

PINELLAS COUNTY SCHOOLS OF FLORIDA

High School Uniform Course Descriptions

2013-2014

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Please note: The High School Uniform Course Descriptions for 2012-2013 were approved by the Pinellas County School Board on February 7, 2012.

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2013-2014 HS AGRIBUSINESS AND NATURAL RESOURCES EDUCATION

1-25-13

Aquaculture
The following three courses must be taken in this sequence.

Q Agriscience Foundations 1	
Course #	81068101,2
Grade Level	9-12
Length	1 year
Prerequisite	None
Credit	1

This course is designed to develop competencies in the areas of agricultural history and the global impact of agriculture; career opportunities; scientific and research concepts; biological and physical science principles; environmental principles; agriscience safety; principles of leadership; and agribusiness, employability, and human relations skills in agriscience. Laboratory-based activities are an integral part of this course. These include the safe use and application of appropriate technology, scientific testing and observation equipment.

**Quality Points approved for the first time in February 2012, for courses already existing in the course code directory, become effective with the 2012-2013 entering ninth grade class and subsequent years. (see district policy 5420.03, Final Grades, (H) Honors Quality Points)*

Note: Students **not** enrolled in the 2012-2013 entering ninth grade class may **not** receive quality points for these courses.

Q Aquaculture 2	
Course #	8112010
Grade Level	9-12
Length	1 year
Prerequisite	Agriscience Foundations 1
Credit	1

This course is designed to develop competencies in the areas of nature and origin, career opportunities, biological principles, safety, water quality, seed production, market outlets, rules and regulations, technological advances, problem solving and leadership employability communication and human relations skills.

**Quality Points approved for the first time in January 2013, for courses already existing in the course code*

directory, become effective with the 2013-2014 entering ninth grade class and subsequent years. (see district policy 5420.03, Final Grades, (H) Honors Quality Points)

Note: Students **not** enrolled in the 2013-2014 entering ninth grade class may **not** receive quality points for these courses.

Q Aquaculture 3	
Course #	8112020
Grade Level	9-12
Length	1 year
Prerequisite	Agriscience Foundations (8106810) and Aquaculture 2 (8112010)
Credit	1 credit each

This course is designed to develop competencies in the area of management and use of water, the propagation and rearing of seed, producing aquaculture species, control of diseases, pests and water quality problems, harvesting and processing, marketing and transportation, management skills and leadership, employability, communication and human relation skills.

**Quality Points approved for the first time in January 2013, for courses already existing in the course code directory, become effective with the 2013-2014 entering ninth grade class and subsequent years. (see district policy 5420.03, Final Grades, (H) Honors Quality Points)*

Note: Students **not** enrolled in the 2013-2014 entering ninth grade class may **not** receive quality points for these courses.

HORTICULTURE SCIENCES
The following three courses must be taken in this sequence.

Q Agriscience Foundations 1	
Course #	81068101,2
Grade Level	9-12
Length	1 year
Prerequisite	None
Credit	1

See course descriptions on first page of HS Agribusiness and Natural Resources Education.

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Note: Students **not** enrolled in the 2012-2013 entering ninth grade class may **not** receive quality points for these courses.

Q Introductory Horticulture 2	
Course #	81215101,2
Grade Level	9-12
Length	1 year
Prerequisite	Agriscience Foundations
Credit	1
<p>This course is designed to develop competencies in the areas of career opportunities; global importance of agriculture; plant classification; propagation; growing media; nutritional needs; fertilization; irrigation; pest identification; pest control, pruning; plant installation; transplanting; safe hand-tool use; and employability skills.</p> <p><i>*Quality Points approved for the first time in February 2012, for courses already existing in the course code directory, become effective with the 2012-2013 entering ninth grade class and subsequent years. (see district policy 5420.03, Final Grades, (H) Honors Quality Points)</i></p> <p>Note: Students not enrolled in the 2012-2013 entering ninth grade class may not receive quality points for these courses.</p>	

Q Horticulture Science & Services 4	
Course #	81216101,2
Grade Level	9-12
Length	1 year
Prerequisite	Horticulture Science 3
Credit	1
<p>This course is designed to further develop competencies in the areas of plant identification and classification: growing media: irrigation system set up; and maintaining and analyzing records including production costs.</p>	

Q Horticulture Science & Services 5	
Course #	81216201,2
Grade Level	9-12
Length	1 year
Prerequisite	Horticulture Science 4
Credit	1
<p>This course is designed to further develop competencies in the areas of identifying and evaluating IPM practices; maintaining and repairing irrigation systems; analyzing and evaluating fertilizer usage.</p>	

Q *Horticultural Science 3	
Course #	81215201,2
Grade Level	9-12
Length	1 year
Prerequisite	Introductory Horticulture 2
Credit	1
<p>This course is designed to develop competencies in the areas of industry regulations; plant classification; plant transportation; soil sampling and analysis; fertilizer calculations; recording keeping; irrigation components, water quality; drainage; integrated pest management; pesticide safety and regulations; equipment calibration; chemical growth regulators; xeriscaping; integrated landscape management; safe use of power equipment; record keeping; and employability skills.</p> <p><i>*Quality Points approved for the first time in February 2012, for courses already existing in the course code directory, become effective with the 2012-2013 entering ninth grade class and subsequent years. (see district policy 5420.03, Final Grades, (H) Honors Quality Points)</i></p>	

Q Horticulture Science & Services 6	
Course #	81216301,2
Grade Level	9-12
Length	1 year
Prerequisite	Horticulture Science 5
Credit	1
<p>This course is designed to further develop competencies in the areas of irrigation; growing media; planting beds and sites; propagation; marketing; repair and maintenance of nursery equipment and facilities.</p>	

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entering ninth grade class and subsequent years. (see district policy 5420.03, Final Grades, (H) Honors Quality Points)

Note: Students **not** enrolled in the 2012-2013 entering ninth grade class may **not** receive quality points for these courses.

VETERINARY ASSISTING

The following three courses must be taken in this sequence.

Q Veterinary Assisting 1	
Course #	81115101,2
Grade Level	9-12
Length	1 year
Prerequisite	None
Credit	1

The purpose of Veterinary Assisting 1 and 2 is to provide a core of general knowledge about Veterinary Technology and to prepare students for advanced training and employment in the veterinary industry.

**Quality Points approved for the first time in February 2012, for courses already existing in the course code directory, become effective with the 2012-2013 entering ninth grade class and subsequent years. (see district policy 5420.03, Final Grades, (H) Honors Quality Points)*

Note: Students **not** enrolled in the 2012-2013 entering ninth grade class may **not** receive quality points for these courses.

Q Veterinary Assisting 2	
Course #	81115401,2
Grade Level	9-12
Length	1 year
Prerequisite	Veterinary Assisting 1
Credit	1

The purpose of Veterinary Assisting 1 and 2 is to provide a core of general knowledge about Veterinary Technology and to prepare students for advanced training and employment in the veterinary industry.

**Quality Points approved for the first time in February 2012, for courses already existing in the course code directory, become effective with the 2012-2013*

Q Veterinary Assisting 3	
Course #	81115501,2
Grade Level	9-12
Length	1 year
Prerequisite	Veterinary Assisting 2
Credit	1

This course is designed to develop competencies in the areas of companion animal digestive systems; animal breeding; preventative medicine and disease control; control of parasites; animal marketing and analyzing records.

Q Veterinary Assisting 4	
Course #	81115201,2
Grade Level	9-12
Length	1 year
Prerequisite	Veterinary Assisting 3
Credit	1

This course is designed to develop competencies in the areas of companion animal restraint and control; veterinary science terminology; basic first aid; animal overpopulation and exotic animals.

Q Veterinary Assisting 5	
Course #	81115301,2
Grade Level	9-12
Length	1 year
Prerequisite	Veterinary Assisting 4
Credit	1

This course is designed to develop competencies in the areas of human-animal bond; animal-related laws; animal research; genetics and biotechnology in reproduction; and enterprise management.

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an integral part of this course. These include the safe use and application of appropriate technology, scientific testing and observation equipment.

ENVIRONMENTAL STUDIES
The following three courses must be taken in this sequence.
Use the following courses for Land Resources Technology, and Water Resources Technology.

WATER QUALITY TECHNOLOGY
Daggered for Deletion No New Enrollments in this Program after 2011-12

Introduction to Environmental Technology	
Course #	89130101,2
Grade Level	9-12
Length	1 year
Prerequisite	None
Credit	1
<p>This course is designed to develop competencies in the areas of hydrology, environmental standards and regulations, site assessment, geologic principles, career opportunities; scientific and research concepts; principles of leadership; and employability, and human relations skills. Laboratory-based activities are an integral part of this course. These include the safe use and application of appropriate technology, scientific testing and observation equipment.</p>	

Q Water Quality Resources 3	
Course #	89160101,2
Grade Level	9-12, 30-31
Length	1 year
Prerequisite	Environmental Tech 2
Credit	1
<p>This course is designed to develop competencies in the areas of hydrology, geology principles, water treatment techniques, storm water systems, water distribution, management of water resources, management of fisheries, drainage systems, career opportunities; scientific and research concepts; principles of leadership; and employability, and human relations skills. Laboratory-based activities are an integral part of this course. These include the safe use and application of appropriate technology, scientific testing and observation equipment.</p>	

Environmental Technology 2	
Course #	89130200
Grade Level	9-12
Length	1 year
Prerequisite	Intro to Environmental Tech.
Credit	1
<p>This course is designed to develop competencies in the areas of water treatment, storm water systems, Geographic Informational and Global Positioning systems, environmental standards and regulations, career opportunities; scientific and research concepts; principles of leadership; and employability, and human relations skills. Laboratory-based activities are</p>	

Q Water Quality Resources 4	
Course #	89160201,2
Grade Level	9-12
Length	1 year
Prerequisite	Water Quality Resources 3
Credit	1
<p>This course is designed to develop competencies in the areas water treatment techniques, storm water systems, water distribution, management of water resources, management of fisheries, career opportunities; scientific and research concepts; principles of leadership; and employability, and human relations skills. Laboratory-based activities are</p>	

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an integral part of this course. These include the safe use and application of appropriate technology, scientific testing and observation equipment.

LAND RESOURCES TECHNOLOGY

Q Land Resources 3

Course #	89130301,2
Grade Level	9-12, 30-31
Length	1 year
Prerequisite	Environmental Tech 2
Credit	1

This course is designed to develop competencies in the areas of managing wetlands, wildlife, forest, fire, pests, and ecosystems, solid waste disposal, scientific and research concepts; principles of leadership; and employability, and human relations skills. Laboratory-based activities are an integral part of this course. These include the safe use and application of appropriate technology, scientific testing and observation equipment.

Q Land Resources 4

Course #	89130401,2
Grade Level	9-12, 30-31
Length	1 year
Prerequisite	Land Resources 3
Credit	1

Land Resources 4 is an in depth study of land resources from the environmental standpoint. Students planning careers as park rangers, foresters, agronomists, land and animal conservationist, and related careers should consider this course.

Environmental Water Reclamation Technology
The following three courses must be taken in this sequence.

Environmental Water Technology

Course #	8007110
Grade Level	9-12
Length	1 year
Prerequisite	None
Credit	1

This course is designed to develop competencies in the area of hydrology, safety skills and procedures, geological principles of water resources, management of wetlands, storm water systems, environmental water resources, equipment and facility maintenance, scientific and research concepts; principles of leadership; and employability, and human relations skills. Laboratory-based activities are an integral part of this course. These include the safe use and application of appropriate technology, scientific testing and observation equipment.

Intermediate Environmental Water Technology

Course #	8007120
Grade Level	9-12
Length	1 year
Prerequisite	Introduction to Environmental Water Technology
Credit	1

This course is designed to develop competencies in the area of standards and regulations, site assessments, safety, managing data and physical resources, prepare a plan, perform remediation, collect and dispose of solid waste, record keeping and sampling procedures, career opportunities, leadership, teamwork, and money management concepts.

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Laboratory-based activities are an integral part of this course. These include the safe use and application of appropriate technology, scientific testing and observation equipment.

Length	1 year
Prerequisite	Agriscience Foundations 1 (8106810)
Credit	1
This course was developed as a core and is designed to develop competencies in the areas of agricultural biotechnology in agriculture, scientific investigation, laboratory safety, scientific and technological concepts; and the fundamentals of biotechnology.	

Advanced Environmental Water Reclamation Technology	
Course #	8007210
Grade Level	9-12
Length	1 year
Prerequisite	Introduction to Environmental Water Technology (8007110) and Intermediate Environmental Water Technology (8007120)
Credit	1 credit each
This course is designed to develop competencies in the area of career opportunities, scientific concepts in water treatment, safety hazards, government regulations, facility operational principles, and equipment inspections. Laboratory-based activities are an integral part of this course. These include the safe use and application of appropriate technology, scientific testing and observation equipment.	

Q Environmental Resources 3	
Course #	8113010
Grade Level	9-12
Length	1 year
Prerequisite	Agricultural Biotechnology 2
Credit	1
This course is designed to develop competencies in the areas of water resources, native flora and fauna, Florida ecosystems, soil characteristics, and collecting, recording and analyzing data.	

Q Environmental Resources 4	
Course #	8113020
Grade Level	9-12
Length	1 year
Prerequisite	Environmental Resources 3
Credit	1
This course is designed to develop competencies in the areas of land management, weather systems, wildlife programs, commodity and non-commodity resources, sustainable agriculture and environmental research.	

Environmental Resources

Q Agriscience Foundations 1	
Course #	81068101,2
Grade Level	9-12
Length	1 year
Prerequisite	None
Credit	1
See course descriptions on first page of HS Agribusiness and Natural Resources Education.	

Principles of Agribusiness

The purpose of this program is to serve as a supplemental program to provide Agriculture, Food, and Natural Resource Education students with the opportunity, to learn the business side of agriculture commodities as well as essential functions of leadership and management.

The following three courses must be taken in this sequence.

Q Agricultural Biotechnology 2	
Course #	8106850
Grade Level	9-12

Q Agriscience Foundations 1	
Course #	81068100

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Grade Level	9-12
Length	1 year
Prerequisite	None
Credit	1

This course is designed to develop competencies in the areas of agricultural history and the global impact of agriculture; career opportunities; scientific and research concepts; biological and physical science principles; environmental principles; agriscience safety; principles of leadership; and agribusiness, employability, and human relations skills in agriscience. Laboratory-based activities are an integral part of this course. These include the safe use and application of appropriate technology, scientific testing and observation equipment.

one or more semesters. A student may earn multiple credits in this course. The specific student performance standard which the student must achieve to earn credit must be specified in the OJT training plan.

Agriculture Leadership and Management	
Course #	8009110
Grade Level	9-12
Length	1 year
Prerequisite	Agriscience Foundations
Credit	1
TBA	

Agriculture, Food, & Natural Resources Directed Study (Name Change)	
Course #	81001000
Grade Level	9-12
Length	1 semester
Prerequisite	Completion of any job prep
Credit	Multiple Credits
The purpose of this course is to provide students with learning opportunities in a prescribed program of study within the Agriculture, Food and Natural Resources cluster that will enhance opportunities for employment in the career field chosen by the student.	

Principles of Agribusiness	
Course #	8009120
Grade Level	9-12
Length	1 year
Prerequisite	Agriculture Leadership and Management
Credit	1
TBA	

Advanced Concepts of Agriscience	
Course #	81003300
Grade Level	11-12
Length	1 year
Prerequisite	Completion of a program
Credit	Multiple Credits
The purpose of this course is to provide students who have completed or are currently completing an OCP in an agricultural program, a capstone experience in agriscience education.	

Agriculture, Food, & Natural Resources Cooperative Education - OJT (Name Change)	
Course #	81004100
Grade Level	9-12
Length	1 year
Prerequisite	Concurrent enrollment in a specific Agribusiness job prep program.
Credit	Multiple Credits
The purpose of this course is to provide the OJT training components when the cooperative method of instruction is used with Agribusiness job preparatory programs. This course may be taken by a student for	

Explanation of Symbols	
Symbol	Explanation
*	Practical Arts Courses meet the Fine Arts High School Graduation Requirement for students who entered their first year of high school in the 2007-2008 school year and subsequent years due to the statutory changes in the revised high school graduation section of the statute.

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2013-2014 HS BUSINESS TECHNOLOGIES/INFORMATION TECHNOLOGIES EDUCATION

CORE COURSES - PRE-REQUISITES FOR ALL PROGRAMS

*Introduction to Information Technology	
Course #	8207310
Grade Level	9-10
Length	1 year
Prerequisite	None
Credit	1
<p>This course is designed to provide an introduction to information technology concepts and careers, as well as, the impact information technology has on the world, people, and industry. The content includes information technology career research, emerging technologies, operating systems, office productivity software, and specialized software applications. Students will be introduced to electronic communications techniques including e-mail and Internet services. Additional coverage will include web page design features such as basic HTML, DHTML, and XML web commands. The appropriate soft skills for developing and maintaining professional business relationships will also be covered.</p>	

OR

*Computing for College and Careers	
Course #	8209020
Grade Level	9-10
Length	1 year
Prerequisite	None
Credit	1
<p>This course is designed to provide a basic overview of current business and information systems and trends and to introduce students to the basics and foundations required for today's business environments. Emphasis is placed on developing proficiency with touch keyboarding and fundamental computer applications, so that they may be used as communication tools for enhancing personal and work place proficiency in an information-based society. This also includes proficiency with computers using word processing applications, databases, spreadsheets, presentation applications, and the integration of these programs using software that meets industry standards. The appropriate soft skills for developing and maintaining professional business relationships will also be covered.</p>	

ACCOUNTING APPLICATIONS PROGRAM (8302100)

*Introduction to Information Technology (8207310) or *Computing for College and Careers (8209020)	
Length	1 year
Prerequisite	None
Credit	1
<p>See course descriptions on first page of Business Technologies/Information Technologies Education Programs courses.</p>	

Q Accounting Applications 1	
Course #	8203310
Grade Level	10-12
Length	1 year
Prerequisite	Computing for College and Careers or Introduction to Information Technology
Credit	1
<p>This course provides instruction in double-entry accounting. This includes principles of recording business transactions, the preparation of various documents, and the interpretation of financial statements. The use of computers is required.</p>	
<p><i>*Quality Points approved for the first time in February 2012, for courses already existing in the course code directory, become effective with the 2012-2013 entering ninth grade class and subsequent years. (see district policy 5420.03, Final Grades, (H) Honors Quality Points)</i> Note: Students not enrolled in the 2012-2013 entering ninth grade class may not receive quality points for these courses.</p>	

Q Accounting Applications 2	
Course #	8203320
Grade Level	10-12
Length	1 year
Prerequisite	Accounting Applications 1
Credit	1
<p>This course is designed to continue the study of accounting principles. The content includes voucher systems, cash receipts, petty cash, payroll records, and internal control systems. The use of computers is required.</p>	
<p><i>*Quality Points approved for the first time in February 2012, for courses already existing in the course code</i></p>	

directory, become effective with the 2012-2013 entering ninth grade class and subsequent years. (see district policy 5420.03, Final Grades, (H) Honors Quality Points)
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Q Accounting Applications 3	
Course #	8203330
Grade Level	10-12
Length	1 year
Prerequisite	Accounting Applications 2
Credit	1
This course continues the study of accounting principles and applies those principles to various entities. The content includes methods for determining the cost of merchandise inventory, general ledger account analysis, and the aging process. The use of computers is required.	

Q Accounting Applications 4 (Course is part of Accounting Operations Program--Daggered--In Teach-out.)	
Course #	8203340
Grade Level	11-12
Length	1 year
Prerequisite	Accounting Applications 3
Credit	1
This course continues the application of accounting principles to various entities. The content includes depreciation, financial statement interpretation, analysis of transactions including correcting entries, and tax forms. The use of computers is required.	

Accounting Operations	
PTEC Clearwater	
Course #	8203400/B070110
Length	150-900 hours
Refer to Accounting Applications 1-4 course descriptions.	

ADMINISTRATIVE OFFICE SPECIALIST PROGRAM
(8212500)

*Introduction to Information Technology (8207310) or *Computing for College and Careers (8209020)	
Length	1 year
Prerequisite	None
Credit	1
See course descriptions on first page of Business Technologies/Information Technologies Education Programs courses.	

Business Software Applications 1	
Course #	8212120
Grade Level	10-12
Length	1 year
Prerequisite	Computing for College and Careers or Introduction to Information Technology
Credit	1
This course is designed to develop proficiency in using the advanced features of software programs to perform office-related tasks.	

Business Software Applications 2	
Course #	8212160
Grade Level	11-12
Length	1 year
Prerequisite	Business Software Applications 1
Credit	1
The course is designed to use technology to produce high quality employment portfolios, research job opportunities, and compile and disseminate job-seeking documents.	

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Administrative Office Technology 1	
Course #	8212110 AOT 1
Grade Level	10-11
Length	1 year
Prerequisite	Computing for College and Careers or Introduction to Information Technology; Program courses must be taken in sequence.
Credit	1 credit each course
<p>This course is designed to assist with administrative and general office duties in a support capacity. This course explores and expands the core competencies in the areas of personal and professional development and promotes application of higher level office procedures tasks and communications skills through the use of technology</p>	

Administrative Office Technology 2 - 3	
Course #	8212410 AOT 2 8212420 AOT 3
Grade Level	10-12
Length	1 year courses
Prerequisite	AOT 1
Credit	1 credit each course
<p>These courses offer a broad foundation of knowledge and skills expanding the traditional role of the Administrative Assistant. The content includes the use of technology to develop communication skills, higher level thinking skills, and decision making skills; the performance of office procedure tasks, the production of quality work in an efficient manner using advanced features of business software applications; research of job opportunities; and the production of high quality employment portfolios and job-seeking documents.</p>	

Administrative Assistant PTEC Clearwater	
Course #	8212500/B070330
Grade Level	150-1050 hours
<p>Refer to preceding Administrative Office 1-3 Technology course description.</p>	

BUSINESS COMPUTER PROGRAMMING PROGRAM (8206500)

Business Computer Programming (BCP) 3-6	
Course #	8206030 BCP 3; 8206040 BCP 4 Q8206050 BCP 5 Q8206060 BCP 6
Grade Level	10-12
Length	1 year courses
Prerequisite	Computing for College and Careers or Introduction to Information Technology; Must be taken in sequence.
Credit	1credit each course
<p>Business Computer Programming has been daggered for deletion 12-13. BCP 1 has been deleted. This program will be taught out for existing students enrolled in the program.</p>	
<p>This program introduces computer programming concepts for business applications. The content includes basic information processing and computer functions; operating systems, environments, and hardware platforms; programming techniques and concepts; and basic financial business concepts. The program offers a broad foundation of knowledge and skills expanding the traditional role of the Junior Programmer. The content also includes converting problems into detailed plans; writing code into computer language; testing, monitoring, debugging, documenting, and maintaining computer programs; and designing programs for specific uses and machines.</p>	

BUSINESS SUPERVISION AND MANAGEMENT PROGRAM (8215200)

*Introduction to Information Technology (8207310) or *Computing for College and Careers (8209020)	
Length	1 year
Prerequisite	None
Credit	1
<p>See course descriptions on first page of Business Technologies/Information Technologies Education Programs courses.</p>	

2013-2014 HS BUSINESS TECHNOLOGIES/INFORMATION TECHNOLOGIES EDUCATION

Q Business and Entrepreneurial Principles	
Course #	8215120
Grade Level	10-12
Length	1 year
Prerequisite	Computing for College and Careers or Introduction to Information Technology
Credit	1
<p>This course is designed to provide an introduction to business organization, management, and entrepreneurial principles. Topics include communication skills, various forms of business ownership and organizational structures, supervisory/management skills, leadership skills, human resources management activities, business ethics, and cultural diversity. Emphasis is placed on job readiness and career development. The use of computers is an integral part of this program.</p>	

environmental issues.

Business Cooperative Education Organization and Management	
Course #	8200420
Grade Level	11-12
Length	1 year
Prerequisite	Student must be enrolled in BCE-OJT
Credit	1
<p>This course provides Business Cooperative Education students with a common class that can be used to reinforce and provide additional competencies in their selected Business Technology Education Program. Curriculum may include maintaining job related forms and instruction in subjects related to the specific job that the student is performing.</p>	

Q Legal Aspects of Business	
Course #	8215130
Grade Level	10-12
Length	1 year
Prerequisite	Computing for College and Careers or Introduction to Information Technology
Credit	1
<p>This course provides an introduction to the legal aspects of business. Topics include business law concepts, forms of business ownership, insurance awareness, governmental regulations, management functions, human resources management issues and career development. The use of computers is an integral part of this program.</p>	

Business Cooperative Education- On The Job Training - (BCE/OJT)	
Course #	8200410
Grade Level	11-12
Length	1 year
Prerequisite	Satisfactory performance in a business education job preparatory program, approval from the BCE Coordinator, parental permission and a 2.0 cumulative GPA.
Credit	Multiple Credits
<p>This course is designed to provide on-the-job training component when the cooperative method of instruction is used to prepare students for employment in business occupations. On-the-job experiences are provided as a part of a job preparatory program which will develop occupational competencies required for employment in the occupation chosen by the student as a career choice or to provide the student an in-school job preparatory program. Supervised on-the-job training provides opportunities for selective placement based on the student's job preparatory program and the development and evaluation of occupational competencies. Job related classroom instruction MUST be provided. A student may not be enrolled in BCE without concurrent enrollment in a business technology class. The student must be paid for work performed and must be directly supervised.</p>	

Business Supervision 1	
Course #	8215140
Grade Level	11-12
Length	1 year
Prerequisite	IIT or CCC; Business and Entrepreneurial Principles; Legal Aspects of Business
Credit	1
<p>This course focuses on broad, transferable skills and stresses understanding and demonstration of elements of the business supervision industry such as: planning; management; finance; technical and production skills; underlying principles of technology; labor issues; community issues; and health, safety and</p>	

2013-2014 HS BUSINESS TECHNOLOGIES/INFORMATION TECHNOLOGIES EDUCATION

Business Education Directed Study	
Course #	8200100
Grade Level	11-12
Length	1 year
Prerequisite	Student MUST be a program completer or concurrently enrolled in a job preparatory program.
Credit	Multiple Credits
This course is designed to provide students with additional competencies in a Business Technology Education program that will enhance students' opportunities for employment in the occupation chosen by the student. The content is prescribed by the instructor based upon the individual student's assessed needs for the directed study.	

Business Internship	
Course #	8216130
Grade Level	11-12
Length	1 year
Prerequisite	Satisfactory performance in a business education job preparatory program, approval from the BCE Coordinator, parental permission and a 2.0 cumulative GPA.
Credit	1
This course is designed to provide students with the opportunity to stimulate their career interest in business. Students will also enhance and apply the instructional competencies learned in the classroom with the internship experience. Students will be able to develop human relations skills, communications and employability skills needed to secure a position in the business environment.	

COMPUTER SYSTEMS & INFORMATION TECHNOLOGY PROGRAM (9001200)

*Introduction to Information Technology (8207310)	
Length	1 year
Prerequisite	None
Credit	1
See course description on first page of Business Technologies/Information Technologies Education Programs courses.	

Q Computer Systems & Information Technology (CSIT) Foundations	
Course #	9001210,0
Grade Level	10-11
Length	1 year
Prerequisite	Introduction to Information Technology
Credit	1
This course prepares students for employment or advanced training in a variety of occupations in the information technology industry. The course focuses on broad, transferable skills and stresses understanding and demonstration of the following elements of the information technology industry: technical and product skills; underlying principles of technology; planning; management; finance; labor issues; community, health, safety, and environmental issues. The course content also includes, but is not limited to: personal computer hardware; troubleshooting, repair and maintenance; operating systems and software networking; security; operational procedure; security concepts and technologies.	

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Q Computer Systems & Information Technology (CSIT) System Essentials	
Course #	9001220,0
Grade Level	10-11
Length	1 year
Prerequisite	CSIT Foundations
Credit	1
<p>This course is a continuation of the Computer Systems & Information Technology Foundations. The course content includes but is not limited to, installing, configuring, and troubleshooting personal computer hardware; operating systems, networking, security, solve problems using critical thinking skills, creativity and innovation, use information technology tools, organizations and inter-organizational systems, ethics and legal responsibilities.</p>	

Q Computer Systems & Information Technology (CSIT) Network Systems Configuration	
Course #	9001230,0
Grade Level	11-12
Length	1 year
Prerequisite	CSIT Essentials
Credit	1
<p>This course is an upper level course in the Computer Systems & Information Technology Program to be taken by juniors and seniors in the sequence listed in the program frameworks.</p>	

Q Computer Systems & Information Technology (CSIT) Network Systems Design & Administration	
Course #	9001240,0
Grade Level	11-12
Length	1 year
Prerequisite	CSIT Network Systems Configuration
Credit	1
<p>This course is an upper level course in the Computer Systems & Information Technology Program to be taken by juniors and seniors in the sequence listed in the program frameworks.</p>	

Q Computer Systems & Information Technology (CSIT) Cyber Security Essentials	
Course #	9001250,0
Grade Level	11-12
Length	1 year
Prerequisite	CSIT Network Systems Design & Administration
Credit	1
<p>This course is an upper level course in the Computer Systems & Information Technology Program to be taken by juniors and seniors in the sequence listed in the program frameworks.</p>	

CUSTOMER ASSISTANCE TECHNOLOGY PROGRAM
(8218100)

Customer Assistance Technology 1 - 2	
Course #	8218010 CA 1 8218020 CA 2
Grade Level	9-12
Length	1 year
Prerequisite	Computing for College and Careers or Introduction to Information Technology
Credit	1
<p>This program offers a broad foundation of knowledge and skills to prepare students for employment. The content includes the development of interpersonal, communications, conflict resolution, leadership, decision making, problem solving, supervisory, and employability skills; diversity awareness; telephone techniques; and technical applications in the customer care environment.</p> <p>The program focuses on broad, transferable skills and stresses understanding and demonstration of the following elements of the customer care services industry: planning; management; finance; technical and production skills; underlying principles of technology; labor issues; community issues; and health, safety, and environmental issues.</p>	

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Customer Assistance	
PTEC Clearwater	
Course #	8218100/B079100
Length	150-450 hours
Refer to preceding Customer Assistance Technology course description.	

APPLIED CYBERSECURITY PROGRAM (9001300)

*Introduction to Information Technology (8207310)	
Length	1 year
Prerequisite	None
Credit	1
	See course description on first page of Business Technologies/Information Technologies Education Programs courses.

Q Computer & Network Security Fundamentals	
Course #	9001320,0
Grade Level	10-11
Length	1 year
Prerequisite	Introduction to Information Technology
Credit	1
This course introduces students to cybersecurity and provides them with essential computer and networking knowledge and skills, particularly those related to cybersecurity. The course content also includes, but is not limited to: origins, trends, culture, and legal implications of cybersecurity; national agencies; OSI model; networks; security concepts; ethical and legal issues; virtualization technology; remote access technologies; physical security; various devices; access control model; security topologies; and teamwork.	

Q Cybersecurity Essentials	
Course #	9001330,0
Grade Level	1 year
Length	11-12
Prerequisite	Computer & Network Security Fundamentals
Credit	1
This course follows the Computer & Network Security Fundamentals course. It provides students with insight into the many variations of vulnerabilities, attack mechanisms, intrusion detection systems, and some	

methods to mitigate cybersecurity risks, including certificate services and cryptographic systems. The course content also includes, but is not limited to: technical underpinnings of cybersecurity and its taxonomy, terminology, and challenges; common cyber-attack mechanisms, their consequences and motivation for their use; cryptographic algorithms; steganographic techniques; digital signatures; PKI; certificates; host-based IDS; network-based IDS; IDS applications; port scanning and network traffic monitoring.

Q Operational Cybersecurity	
Course #	9001340,0
Grade Level	11-12
Length	1 year
Prerequisite	Computer & Network Security Fundamentals
Credit	1
This course is an upper level course in the Applied Cybersecurity Program to be taken by juniors and seniors in the sequence listed in the program frameworks.	

DATABASE APPLICATION DEVELOPMENT & PROGRAMMING PROGRAM (9007300)

*Introduction to Information Technology (8207310)	
Length	1 year
Prerequisite	None
Credit	1
	See course description on first page of Business Technologies/Information Technologies Education Programs courses.

Q Foundations of Programming	
Course #	9007210,0
Grade Level	10-11
Length	1 year
Prerequisite	Introduction to Information Technology
Credit	1
This course introduces concepts, techniques, and processes associated with computer programming and software development. The course content includes	

but is not limited to: exploring characteristics, tasks, work attributes, options, and tools associated with a career in software development; use and selection of numerical, non-numerical, and logical data types; iterative and non-iterative program control structures; programming languages; Methods and conventions for software development and maintenance; quality control; program design; security risks, threats, and strategies associated with software development;

Q Database Design & SQL Programming	
Course #	9007310,0
Grade Level	11-12
Length	1 year
Prerequisite	Object-Oriented Programming Fundamentals
Credit	1
This course is an upper level course in the Database Application Development & Programming Program to be taken by juniors and seniors in the sequence listed in the program frameworks.	

Q Procedural Programming	
Course #	9007220,0
Grade Level	11-12
Length	1 year
Prerequisite	Foundation of Programming
Credit	1
This course continues the study of computer programming concepts with a focus on the creation of software applications employing procedural programming techniques. The course content includes but is not limited to: designing a computer program; internal and control structures for manipulating varied data types; create interactive computer program that employs functions, subroutines, or methods to receive, validate and process user input; ethics and legal responsibilities;	

Q SQL Extension Languages I	
Course #	9007320,0
Grade Level	11-12
Length	1 year
Prerequisite	Database Design & SQL Programming
Credit	1
This course is an upper level course in the Database Application Development & Programming Program to be taken by juniors and seniors in the sequence listed in the program frameworks.	

DIGITAL DESIGN PROGRAM (8209600)

Q Object-Oriented Programming Fundamentals	
Course #	9007230,0
Grade Level	11-12
Length	1 year
Prerequisite	Procedural Programming
Credit	1
This course is an upper level course in the Database Application Development & Programming Program to be taken by juniors and seniors in the sequence listed in the program frameworks.	

*Introduction to Information Technology (8207310) or *Computing for College and Careers (8209020)	
Length	1 year
Prerequisite	None
Credit	1
See course descriptions on first page of Business Technologies/Information Technologies Education Programs courses.	

*Digital Design 1	
Course #	8209510
Grade Level	10-12
Length	1 year
Prerequisite	Computing for College and Careers or Introduction to Information Technology
Credit	1
This course is designed to develop entry-level skills required for careers in the digital publishing industry. The content includes computer skills; digital publishing concepts and operations; layout, design and	

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measurement activities; decision making activities, and digital imaging.

Q *Digital Design 2	
Course #	8209520
Grade Level	10-12
Length	1 year
Prerequisite	Digital Design 1
Credit	1

This course continues the development of entry-level skills for careers in the digital publishing industry. The content includes computer skills: digital publishing operations; layout, design, and measurement activities; and digital imaging.

**Quality Points approved for the first time in December 2009, for courses already existing in the course code directory, become effective with the 2010-2011 entering ninth grade class and subsequent years. (see district policy 5420.03, Final Grades, (H) Honors Quality Points)*

Note: Students **not** enrolled in the 2010-2011 entering ninth grade class may **not** receive quality points for these courses.

Q *Digital Design 3	
Course #	8209530
Grade Level	11-12
Length	1 year
Prerequisite	Digital Design 2
Credit	1

This course continues the development of industry-standard skills required for careers in the digital publishing industry. The content includes the use of a variety of software and equipment to perform digital publishing and digital imaging activities.

**Quality Points approved for the first time in December 2009, for courses already existing in the course code directory, become effective with the 2010-2011 entering ninth grade class and subsequent years. (see district policy 5420.03, Final Grades, (H) Honors Quality Points)*

Note: Students **not** enrolled in the 2010-2011 entering ninth grade class may **not** receive quality points for these courses.

Q *Digital Design 4	
Course #	8209540
Grade Level	11-12
Length	1 year
Prerequisite	Digital Design 3
Credit	1

This course is designed to develop advanced industry-standard skills required for careers in the digital publishing industry. The content includes the use of a variety of software and equipment, including digital video cameras and video/audio editing software.

Q *Digital Design 5	
Course #	8209550
Grade Level	11-12
Length	1 year
Prerequisite	Digital Design 4
Credit	1

This course continues the development of advanced industry-standard skills required for careers in the digital publishing industry. The content includes the use of a variety of software and equipment used to create multimedia presentations.

Q *Digital Design 6	
Course #	8209560
Grade Level	11-12
Length	1 year
Prerequisite	Digital Design 5
Credit	1

This course continues the development of industry-standard skills required for careers in the digital publishing industry. The content includes the use of a variety of software and equipment required to perform digital publishing and digital imaging activities.

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DIGITAL MEDIA TECHNOLOGY PROGRAM (9005100)

*Introduction to Information Technology (8207310)	
Length	1 year
Prerequisite	None
Credit	1
	See course description on first page of Business Technologies/Information Technologies Education Programs courses.

Q *Advanced Digital Media Systems	
Course #	9005140
Grade Level	11-12
Length	1 year
Prerequisite	Digital Media Delivery Systems
Credit	1
	This course covers advanced technologies and environments typical in robust digital media applications, including live and pre-recorded scenarios.

Q *Digital Media Fundamentals	
Course #	9005110
Grade Level	10-11
Length	1 year
Prerequisite	IIT or CCC
Credit	1
	This course introduces students to the essential concepts, components, terminology, and knowledge about digital media, software applications, and delivery systems.

ELECTRONIC BUSINESS ENTERPRISE PROGRAM (8200300)

*Introduction to Information Technology (8207310)	
Length	1 year
Prerequisite	None
Credit	1
	See course description on first page of Business Technologies/Information Technologies Education Programs courses.

Q *Digital Media Production Systems	
Course #	9005120
Grade Level	11-12
Length	1 year
Prerequisite	Digital Media Fundamentals
Credit	1
	This course introduces students to the digital video and audio authoring environments, equipment, and software applications. Content includes management aspects of creating, saving, and distributing digital assets.

*Introduction To E-Commerce	
Course #	8200340
Grade Level	9-12
Length	1 year
Prerequisite	Introduction to Information Technology
Credit	1
	This course is designed to provide an introduction to Electronic-Commerce (E-Commerce). This course covers topics such as history and evolution of e-commerce; e-commerce business models; impact of e-commerce in the world economy; security and tax issues in e-commerce; and e-commerce web site design, development and maintenance.

Q *Digital Media Delivery Systems	
Course #	9005130
Grade Level	11-12
Length	1 year
Prerequisite	Digital Media Production Systems
Credit	1
	This course introduces students to the digital video and audio delivery media and associated protocols. Content includes technical aspects of evolving and emerging technologies used in the delivery of digital content.

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E-Commerce Entrepreneurship	
Course #	8200350
Grade Level	10-12
Length	1 year
Prerequisite	Introduction to E-Commerce
Credit	1
<p>This course is designed to provide the tools necessary to create an e-commerce site by developing, analyzing and implementing a business plan. This course covers topics such as business plan development and implementation, human resources, marketing, Internet advertisement, financial management, pricing and selling of product or service, payment methods, mobile commerce, and customer service.</p>	

E-Commerce Systems Analysis and Designs	
Course #	8200360
Grade Level	10-12
Length	1 year
Prerequisite	E-Commerce Entrepreneurship
Credit	1
<p>This course is designed to provide a systematic overview of analysis and design factors, as well as trends and issues impacting the effectiveness, efficiency and profitability of e-commerce web sites.</p>	

GAME/SIMULATION/ANIMATION PROGRAMMING PROGRAM (8208300)

*Introduction to Information Technology (8207310)	
Length	1 year
Prerequisite	None
Credit	1
<p>See course descriptions on first page of Business Technologies/Information Technologies Education Programs courses.</p>	

*Game and Simulation Foundations	
Course #	8208110
Grade Level	9-10
Length	1 year
Prerequisite	Introduction to Information Technology
Credit	1
<p>This course is designed to provide an introduction to game and simulation concepts and careers; the impact game and simulation has on society and industry; and basic game/simulation design concepts such as rule design, play mechanics, and media integration. The course compares and contrasts games and simulations, key development methodologies and tools, careers and industry-related information. This course also covers strategies, processes and methods for conceptualizing a game or simulation application; storyboarding techniques, and development tools.</p>	

*Game and Simulation Design	
Course #	8208120
Grade Level	10-11
Length	1 year
Prerequisite	Game and Simulation Foundations
Credit	1
<p>This course covers fundamental principles of designing a game or a simulation application, in particular Human Computer Interface (HCI) principles, rules and strategies of play, conditional branching, design and development constraints, use of sound and animation, design tools, and implementation issues. The content includes market research, product design documentation, storyboarding, proposal development, and presentation of a project report. Emphasis is placed on the techniques needed to develop well-documented, structured game or simulation programs.</p>	

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Game and Simulation Programming	
Course #	8208330
Grade Level	11-12
Length	1 year
Prerequisite	Game and Simulation Design
Credit	1
This course is focused on students acquiring the appropriate programming skills for rendering a game or simulation product, including program control, conditional branching, memory management, score-keeping, times event strategies and methodologies and implementation issues.	

*Multi-User Game and Simulation Programming	
Course #	8208340
Grade Level	11-12
Length	1 year
Prerequisite	Game and Simulation Programming
Credit	1
This course is focused on students acquiring the appropriate programming skills for rendering a game or simulation product, including program control, conditional branching, score-keeping, timed event strategies and methodologies, and implementation issues specific to multi-user game/simulation products.	

GLOBAL LOGISTICS AND SUPPLY CHAIN TECHNOLOGY PROGRAM (9503100)

*Introduction to Information Technology (8207310)	
Length	1 year
Prerequisite	None
Credit	1
See course description on first page of Business Technologies/Information Technologies Education Programs courses.	

Global Logistics and Supply Chain Technology	
Course #	9503110,0
Grade Level	10-11
Length	1 year
Prerequisite	Computing for College and Careers or Introduction to Information Technology
Credit	1
This course is designed to introduce students to Global Logistics and Supply Chain Technology. The content includes but is not limited to: transportation systems; company viability and profitability; professional communication skills; customer service skills; language arts and math skills; transportation documentation; government involvement in transportation, regulations, policies and laws.	

Q Global Logistics Operations	
Course #	9503130,0
Grade Level	11-12
Length	1 year
Prerequisite	Global Logistics and Supply Chain Technology
Credit	1
This course is designed to provide students with an understanding of Global Logistics Operations. The content includes but is not limited to: warehouse operations; storage and control operations; resources and structure of the organization; protection skills; radio frequency identification; economics; safety; environment management system; organizational performance; and regulatory compliance.	

Q Global Logistics Management	
Course #	9503140,0
Grade Level	11-12
Length	1 year
Prerequisite	Global Logistics Operations
Credit	1
This course is designed to provide students with an understanding of Global Logistics Management. The content includes but is not limited to: operations and management; career readiness; career acquisition; labor and economic trends; employment hours and wages; auditing; budgets; emerging technologies; safety; training, certifications, licensing, and apprenticeships.	

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APPLIED INFORMATION TECHNOLOGY (9003400)

*Introduction to Information Technology (8207310)	
Length	1 year
Prerequisite	None
Credit	1
	See course description on first page of Business Technologies/Information Technologies Education Programs courses.

Q Web Technologies	
Course #	9003420,0
Grade Level	10-11
Length	1 year
Prerequisite	Introduction to Information Technology
Credit	1
<p>This course provides coherent and rigorous content aligned with challenging academic standards and relevant technical knowledge and skills needed to prepare for further education and careers in Information Technology. It provides technical skill proficiency, and includes competency-based applied learning that contributes to the academic knowledge, higher-order reasoning and problem-solving skills, work attitudes, general employability skills, technical skills, and occupation-specific skills, and knowledge of various aspects of Information Technology. The content includes but is not limited to computer application skills including planning an effective website, principles of design, formulating an effective website, using web development tools and techniques and using critical thinking skills, creativity and innovation.</p>	

Q IT Systems & Applications	
Course #	9003430,0
Grade Level	10-11
Length	1 year
Prerequisite	Web Technologies
Credit	1
<p>This course is a continuation of the Web Technologies course. The content includes but is not limited to motherboard components, types and features, characteristics of CPU's and their features, installation and configuration activities, problem diagnostics, problem resolution through wireless, infrared,</p>	

telephone, e-mail, remote access, or direct contact, using computer networks, security concepts and technologies and more.

INTERNATIONAL BUSINESS PROGRAM (8216100)

*Introduction to Information Technology (8207310) or *Computing for College and Careers (8209020)	
Length	1 year
Prerequisite	None
Credit	1
	See course descriptions on first page of Business Technologies/Information Technologies Education Programs courses.

International Business Systems	
Course #	8216110
Grade Level	10-11
Length	1 year
Prerequisite	Computing for College and Careers or Introduction to Information Technology
Credit	1
<p>This course is designed to prepare students to live and work in a global economy. Students develop an understanding of business principles, management styles, economics, and customs which affect business systems in the international environment.</p>	

Q International Finance & Law	
Course #	8216120
Grade Level	11-12
Length	1 year
Prerequisite	International Business Systems
Credit	1
<p>This course introduces students to the laws and regulations governing international trade including knowledge of import-export activities, banking, treaties, and currency exchange rates.</p>	

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Q Accounting Applications 1	
Course #	8203310
Grade Level	10-12
Length	1 year
Prerequisite	Computing for College and Careers or Introduction to Information Technology
Credit	1
This course provides instruction in double-entry accounting. This includes principles of recording business transactions, the preparation of various documents, and the interpretation of financial statements. The use of computers is required.	
<i>*Quality Points approved for the first time in February 2012, for courses already existing in the course code directory, become effective with the 2012-2013 entering ninth grade class and subsequent years. (see district policy 5420.03, Final Grades, (H) Honors Quality Points)</i>	
Note: Students not enrolled in the 2012-2013 entering ninth grade class may not receive quality points for these courses.	

INFORMATION TECHNOLOGY PROGRAM (8207300)

*Introduction to Information Technology (8207310)	
Length	1 year
Prerequisite	None
Credit	1
	See course description on first page of Business Technologies/Information Technologies Education Programs courses.

Q IT Programming/Database	
Course #	8207320
Grade Level	10-12
Length	1 year
Prerequisite	Introduction to Information Technology
Credit	1
This course introduces computer programming concepts for information technology applications using the Scheme programming language and an introduction to database fundamentals. The content includes information technology career research, computer functions, programming techniques and concepts, data modeling and advanced database techniques.	

Emphasis is placed on the techniques needed to develop well-documented, structured computer programs.

Q IT Technical Support/Networking	
Course #	8203051
Grade Level	10-12
Length	1 year
Prerequisite	IT Programming/Database
Credit	1
This course focuses on system support, maintenance, and basic network concepts. The content includes information technology career research and emphasis is placed on developing an understanding of various computer software and hardware application including installation, troubleshooting, diagnostic techniques, and repair of system components, operating systems, and application software; common safety and preventive maintenance procedures; basic networking including physical and logical network connectivity; and effective behaviors that contribute to customer satisfaction.	

Q *IT Web/Digital Media	
Course #	8207360
Grade Level	11-12
Length	1 year
Prerequisite	IT Advanced Programming 1 Credit
Credit	1
This course focuses on digital media and advanced web tools. The content includes information technology career research; advanced HTML, DHTML, and XML commands and web page design; advanced web topics such as webscripting and web server administration; and basic multimedia applications including audio, video, graphics, text, and animation tools.	

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IT Internship	
Course #	8207350
Grade Level	11-12
Length	1 year
Prerequisite	IT Programming Database IT Technical Support/Networking
Credit	1
<p>The AOIT Internship course provides students with the opportunity to stimulate their career interest and to demonstrate human relations, communications, and employability skills necessary for entry-level employment in the information technology industry. Students will enhance and apply instructional competencies learned in the classroom through the internship experience.</p>	

Information Technology Cooperative Education OJT	
Course #	9000420,0
Grade Level	11-12
Length	1 year
Prerequisite	Completed or Completing Aligned CTE Program
Credit	1 credit– Multiple credits
<p>The purpose of this course is to provide on-the-job training for students enrolled in an Information Technology Program. Each student job placement must be related to the Information Technology Program in which the student is concurrently enrolled or has completed.</p>	

JAVA DEVELOPMENT & PROGRAMMING PROGRAM (9007200)

Information Technology Directed Study	
Course #	9000100,0
Grade Level	11-12
Length	1 year
Prerequisite	Completed or Completing Aligned CTE Program
Credit	1 credit– Multiple credits
<p>The purpose of this course is to provide students with learning opportunities in a prescribed program of study within the Information Technology cluster that will enhance opportunities for employment in the career field chosen by the student. The content is prescribed by the instructor based upon the individual student's assessed needs for directed study. This course may be taken only by a student who has completed or is currently completing an Information Technology related CTE program. The selected standards and benchmarks, which the student must master to earn credit, must be outlined in an instructional plan developed by the instructor.</p>	

*Introduction to Information Technology (8207310)	
Length	1 year
Prerequisite	None
Credit	1
<p>See course description on first page of Business Technologies/Information Technologies Education Programs courses.</p>	

Q Foundations of Programming	
Course #	9007210,0
Grade Level	10-11
Length	1 year
Prerequisite	Introduction to Information Technology
Credit	1
<p>This course introduces concepts, techniques, and processes associated with computer programming and software development. The course content includes but is not limited to: exploring characteristics, tasks, work attributes, options, and tools associated with a career in software development; use and selection of numerical, non-numerical, and logical data types; iterative and non-iterative program control structures; programming languages; Methods and conventions for software development and maintenance; quality control; program design; security risks, threats, and strategies associated with software development;</p>	

Q Procedural Programming	
Course #	9007220,0
Grade Level	11-12
Length	1 year
Prerequisite	Foundation of Programming
Credit	1
<p>This course continues the study of computer programming concepts with a focus on the creation of software applications employing procedural programming techniques. The course content includes but is not limited to: designing a computer program; internal and control structures for manipulating varied data types; create interactive computer program that employs functions, subroutines, or methods to receive, validate and process user input; ethics and legal responsibilities;</p>	

Q Object-Oriented Programming Fundamentals	
Course #	9007230,0
Grade Level	11-12
Length	1 year
Prerequisite	Procedural Programming
Credit	1
<p>This course is an upper level course in the Database Application Development & Programming Program to be taken by juniors and seniors in the sequence listed in the program frameworks.</p>	

Q Java Programming Essentials	
Course #	9007240,0
Grade Level	11-12
Length	1 year
Prerequisite	Object-Oriented Programming Fundamentals
Credit	1
<p>This course is an upper level course in the Java Development & Programming Program to be taken by juniors and seniors in the sequence listed in the program frameworks.</p>	

LEGAL ADMINISTRATIVE SPECIALIST (8212000)

*Introduction to Information Technology (8207310) or *Computing for College and Careers (8209020)	
Length	1 year
Prerequisite	None
Credit	1
<p>See course descriptions on first page of Business Technologies/Information Technologies Education Programs courses.</p>	

Business Software Applications 1	
Course #	8212120
Grade Level	10-12
Length	1 year
Prerequisite	Computing for College and Careers or Introduction to Information Technology
Credit	1
<p>This course is designed to develop proficiency in using the advanced features of software programs to perform office-related tasks.</p>	

Administrative Office Technology 1	
Course #	8212110 AOT 1
Grade Level	10-11
Length	1 year
Prerequisite	BSA 1
Credit	1 credit each course
<p>This course is designed to assist with administrative and general office duties in a support capacity. This course explores and expands the core competencies in the areas of personal and professional development and promotes application of higher level office procedures tasks and communications skills through the use of technology</p>	

Q Legal Aspects of Business	
Course #	8215130
Grade Level	10-12
Length	1 year
Prerequisite	Computing for College and Careers
Credit	1
This course provides an introduction to the legal aspects of business. Topics include business law concepts, forms of business ownership, insurance awareness, governmental regulations, management functions, human resources management issues and career development. The use of computers is an integral part of this program.	

Legal Office Technology 1	
Course #	8212230
Grade Level	11-12
Length	1 year
Prerequisite	BSA 1, AOT 1 and LAB
Credit	1
This course is designed to assist with administrative office duties and procedures specific to the legal environment. The course explores and expands the competencies learned in BSA 1 and LAB and promotes application of higher level office procedures tasks and communication skills.	

Legal Administrative Specialist	
PTEC Clearwater	
Course #	8212000/B072000
Length	150-1050 hours
Refer to preceding Business Software Applications and Legal Aspects of Business course descriptions.	

MEDICAL ADMINISTRATIVE SPECIALIST PROGRAM
(8212300)

*Introduction to Information Technology (8207310) or *Computing for College and Careers (8209020)	
Length	1 year
Prerequisite	None
Credit	1

Business Software Applications 1	
Course #	8212120
Grade Level	10-12
Length	1 year
Prerequisite	Computing for College and Careers or Introduction to Information Technology
Credit	1
This course is designed to develop proficiency in using the advanced features of software programs to perform office-related tasks.	

Administrative Office Technology 1	
Course #	8212110 AOT 1
Grade Level	11-12
Length	1 year
Prerequisite	BSA 1
Credit	1 credit each course
This course is designed to assist with administrative and general office duties in a support capacity. This course explores and expands the core competencies in the areas of personal and professional development and promotes application of higher level office procedures tasks and communications skills through the use of technology	

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Medical Office Technology 1	
Course #	8212201
Grade Level	11-12
Length	1 year
Prerequisite	AOT 1 and BSA 1
Credit	1
This course is designed to assist with administrative office duties and procedures specific to the medical environment. The course explores and expands the competencies learned in BSA1 and AOT 1 and promotes application of higher level office procedures tasks and communication skills.	

Q Procedural Programming	
Course #	9007220,0
Grade Level	11-12
Length	1 year
Prerequisite	Foundation of Programming
Credit	1
This course continues the study of computer programming concepts with a focus on the creation of software applications employing procedural programming techniques. The course content includes but is not limited to: designing a computer program; internal and control structures for manipulating varied data types; create interactive computer program that employs functions, subroutines, or methods to receive, validate and process user input; ethics and legal responsibilities;	

.NET APPLICATION DEVELOPMENT & PROGRAMMING PROGRAM (9007400)

*Introduction to Information Technology (8207310)	
Length	1 year
Prerequisite	None
Credit	1
See course description on first page of Business Technologies/Information Technologies Education Programs courses.	

Q Object-Oriented Programming Fundamentals	
Course #	9007230,0
Grade Level	11-12
Length	1 year
Prerequisite	Procedural Programming
Credit	1
This course is an upper level course in the Database Application Development & Programming Program to be taken by juniors and seniors in the sequence listed in the program frameworks.	

Q Foundations of Programming	
Course #	9007210,0
Grade Level	10-11
Length	1 year
Prerequisite	Introduction to Information Technology
Credit	1
This course introduces concepts, techniques, and processes associated with computer programming and software development. The course content includes but is not limited to: exploring characteristics, tasks, work attributes, options, and tools associated with a career in software development; use and selection of numerical, non-numerical, and logical data types; iterative and non-iterative program control structures; programming languages; Methods and conventions for software development and maintenance; quality control; program design; security risks, threats, and strategies associated with software development;	

Q .Net Application Development Foundation	
Course #	9007410,0
Grade Level	11-12
Length	1 year
Prerequisite	Object-Oriented Programming
Credit	1
This course is an upper level course in the .Net Application Development & Programming Program to be taken by juniors and seniors in the sequence listed in the program frameworks.	

NETWORK SUPPORT SERVICES PROGRAM (8208000)

these courses.

*Introduction to Information Technology (8207310)	
Length	1 year
Prerequisite	None
Credit	1
	See course description on first page of Business Technologies/Information Technologies Education Programs courses.

Q Networking 3, Infrastructure	
Course #	8207040
Grade Level	11-12
Length	1 year
Prerequisite	Networking 2 Infrastructure
Credit	1

This course continues the study of network support services. The content includes IT management skills, troubleshooting and diagnostic techniques; network design, devices, topographies, protocols and standards; e-mail and Internet activities, network traffic and control and security, and WAN vs. LAN technologies.

Networking 1 (Course Required for Network Support Services Program and Network Systems Administration Program)	
Course #	8207020
Grade Level	10-11
Length	1 year
Prerequisite	Computing for College and Careers or Introduction to Information Technology
Credit	1
This course is designed to develop competencies needed for employment in network support positions. The content includes instruction in basic hardware configuration, hardware and software troubleshooting, operating systems, and computer networking.	

Q Networking 4, Infrastructure	
Course #	8207050
Grade Level	11-12
Length	1 year
Prerequisite	Networking 3 Infrastructure
Credit	1

This course continues the study of network support services. The student will learn to install, configure, and maintain large networks. Students will also be able to demonstrate proficiency in defining, configuring and trouble shooting the following protocols: IP, IGRP, IPX, Async Routing, AppleTalk, Extended Access Lists, IP RIP, Route Redistribution, RIP, Route Summarization, OSPF, VLSM, BGP, Serial, Frame Relay, ISDN, ISL, X.25, DDR, PSTN, PPP, VLANs, Ethernet, Access Lists, 802.10, FDDI, Transparent and Translational Bridging installation. The content also includes IT management skills, troubleshooting and diagnostic techniques; network design, devices, topographies, protocols and standards; e-mail and Internet activities, network traffic and control and security, and WAN vs. LAN technologies.

Q Networking 2, Infrastructure	
Course #	8207030
Grade Level	11-12
Length	1 year
Prerequisite	Networking 1
Credit	1

This course focuses on understanding network terminology and protocols, local-area networks, wide-area networks, OSI models, cabling, cabling tools, routers, router programming, Ethernet, IP addressing and network standards.

*Quality Points approved for the first time in December 2009, for courses already existing in the course code directory, become effective with the 2010-2011 entering ninth grade class and subsequent years. (see district policy 5420.03, Final Grades, (H) Honors Quality Points)
Note: Students not enrolled in the 2010-2011 entering ninth grade class may not receive quality points for

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Q Networking 5 (Part of Network Support Services Program Sequence and Network Systems Administration Program Sequence)	
Course #	8207060
Grade Level	11-12
Length	1 year
Prerequisite	Networking 4 Administration or Networking 4 Infrastructure
Credit	1
This course continues the study of network support services. The content includes wireless networking technologies, implementation, management and security.	

Networking 1 (Course Required for Network Support Services Program and Network Systems Administration Program)	
Course #	8207020
Grade Level	10-11
Length	1 year
Prerequisite	Computing for College and Careers or Introduction to Information Technology
Credit	1
This course is designed to develop competencies needed for employment in network support positions. The content includes instruction in basic hardware configuration, hardware and software troubleshooting, operating systems, and computer networking.	

Q Networking 6 (Part of Network Support Services Program Sequence and Network Systems Administration Program Sequence)	
Course #	8207070
Grade Level	11-12
Length	1 year
Prerequisite	Networking 5 Administration or Networking 5 Infrastructure
Credit	1
This course continues the study of network support services. The content includes wireless networking technologies, implementation, management and security.	

Q Networking 2, Administration	
Course #	8207441
Grade Level	10-11
Length	1 year
Prerequisite	Networking 1
Credit	1
This course is designed to provide individuals with the knowledge necessary to understand and identify the tasks involved in supporting operating system within a large networking environment.	

NETWORK SYSTEMS ADMINISTRATION PROGRAM
(8207440)

*Introduction to Information Technology (8207310)	
Length	1 year
Prerequisite	None
Credit	1
See course description on first page of Business Technologies/Information Technologies Education Programs courses.	

Q Networking 3, Administration	
Course #	8207442
Grade Level	11-12
Length	1 year
Prerequisite	Networking 2, Administration
Credit	1
This course continues the study of network support services. The content includes the planning, implementation, and management of server and client operating systems in a networking environment.	

Q Networking 4, Administration	
Course #	8207443
Grade Level	11-12
Length	1 year
Prerequisite	Networking 3, Administration
Credit	1
This course continues the study of network support services. The content includes the planning, implementation, and management of server and client operating systems in a networking environment.	

NEW MEDIA TECHNOLOGY PROGRAM (8207400)

*Introduction to Information Technology (8207310) or *Computing for College and Careers (8209020)	
Length	1 year
Prerequisite	None
Credit	1
	See course descriptions on first page of Business Technologies/Information Technologies Education Programs courses.

* New Media and Digital Imaging Fundamentals	
Course #	8207410
Grade Level	10-11
Length	1 year
Prerequisite	Computing for College and Careers or Introduction to Information Technology
Credit	1
	This course provides an overview of presentation guidelines and design elements associated with various presentation types. Effective digital photography composition and digital imaging software features including optimizing digital photographs for Web publication are covered. Students will create an electronic slide presentation using presentation software.

*Digital Video and Sound Fundamentals	
Course #	8207420
Grade Level	11-12
Length	1 year
Prerequisite	New Media and Digital Imaging Fundamentals
Credit	1
	This course covers advanced planning and video editing for multimedia presentations. Students design presentations through various steps of development, implementation, and final output.

Q *Foundations of Web Design	
Course #	9001110
Grade Level	10-11
Length	1 year
Prerequisite	Introduction to Information Technology
Credit	1
	This course provides instruction in website planning and the design process. It includes instruction on markup language structures, basic webpages, incorporates images and graphical formatting. The content also includes table, form and frame structures, use of Cascading Style Sheets, the process of publishing a website, monitoring and analyzing website performance and creating an informational website.

PC SUPPORT SERVICES PROGRAM (8207340)

*Introduction to Information Technology (8207310)	
Length	1 year
Prerequisite	None
Credit	1
	See course description on first page of Business Technologies/Information Technologies Education Programs courses.

PC Support 1	
Course #	8207210
Grade Level	10-11
Length	1 year
Prerequisite	Computing for College and Careers or Introduction to Information Technology
Credit	1
	This course is designed to develop entry-level skills for PC support services. Emphasis is placed on developing an understanding of various computer applications and computer hardware.

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Q PC Support 2	
Course #	8207220
Grade Level	11-12
Length	1 year
Prerequisite	PC Support 1
Credit	1
This course continues the development of basic entry-level skills for PC support services. The content includes software applications and operating systems, electronic communications via the Internet and an introduction to computer networking.	
*Quality Points approved for the first time in December 2009, for courses already existing in the course code directory, become effective with the 2010-2011 entering ninth grade class and subsequent years. (see district policy 5420.03, Final Grades, (H) Honors Quality Points) Note: Students not enrolled in the 2010-2011 entering ninth grade class may not receive quality points for these courses.	

Q PC Support 3	
Course #	8207230
Grade Level	11-12
Length	1 year
Prerequisite	PC Support 2
Credit	1
This course continues the study of PC support services and is designed to develop advanced skills for employment. The content includes advanced software applications, the interrelationships among major components of networks, hardware installation, and selection of electronic communications software and hardware.	
*Quality Points approved for the first time in December 2009, for courses already existing in the course code directory, become effective with the 2010-2011 entering ninth grade class and subsequent years. (see district policy 5420.03, Final Grades, (H) Honors Quality Points) Note: Students not enrolled in the 2010-2011 entering ninth grade class may not receive quality points for these courses.	

Q PC Support 4	
Course #	8207240
Grade Level	11-12
Length	1 year
Prerequisite	PC Support 3
Credit	1
This course continues the development of advanced skills for entry-level employment in PC support services positions. The content includes utilization of advanced software/system features and programs, integration techniques to enhance projects, network administration, components of Web pages, and preventative hardware maintenance.	

Q PC Support 5	
Course #	8207250
Grade Level	11-12
Length	1 year
Prerequisite	PC Support 4
Credit	1
This course continues the development of advanced skills for entry-level employment in PC support services positions. The content includes utilization of advanced software/system features and programs, integration techniques to enhance projects, network administration, components of Web pages, and preventative hardware maintenance.	

PC Support	
PTEC Clearwater	
Course #	8207340/B070400
Length	150-900 hours
Refer to preceding PC Support course descriptions.	

PROMOTIONAL ENTERPRISE PROGRAM (8217100)

*Introduction to Information Technology (8207310) or *Computing for College and Careers (8209020)	
Length	1 year
Prerequisite	None
Credit	1
	See course descriptions on first page of Business Technologies/Information Technologies Education Programs courses.

*Custom Promotional Layout Design	
Course #	8217110,0
Grade Level	10-11
Length	1 year
Prerequisite	Computing for College and Careers or Introduction to Information Technology
Credit	1

This course is designed to develop basic entry-level skills required for careers in the custom imprinted merchandise industry. The content includes: computer skills; layout; design; measurement activities; decision making activities; digital imaging; sublimation activities; digital embroidery activities; digital precision cutting activities; direct to garment printing activities; and sign making activities. After successful completion of Custom Promotional Layout Design students will be able to perform basic design and layout in predictable situations.

Promotional Design Management	
Course #	8217120,0
Grade Level	11-12
Length	1 year
Prerequisite	Custom Promotional Layout Design
Credit	1

This course is designed to develop organizational skills needed for the imprinted merchandise industry. The content includes: entrepreneur concepts; basic supervision and management activities; portfolio development activities; and workforce development skills evaluation activities. After successful completion of Promotional Design Management the student may be prepared to manage small production runs of imprinted merchandise in unpredictable situations.

Custom Promotional Sales and Distribution

Management	
Course #	8217130
Grade Level	11-12
Length	1 year
Prerequisite	Promotional Design Management
Credit	1

This course is designed to develop mid-level management skills required in the imprinted merchandise industry. The content includes real world production schedules for single lines of merchandise, management of production equipment, customer relations, and sales of imprinted merchandise and delivery of the product. This course is designed to be done in a real production environment through placement in a school-based imprinted merchandise enterprise or industry internship placement. After successful completion of Custom Promotional Sales and Distribution the student may be prepared to manage a production line from customer product design through delivery of final product.

Legal Aspects of Promotional Industry Ownership	
Course #	8217160
Grade Level	11-12
Length	1 year
Prerequisite	Custom Promotional Sales and Distribution Management
Credit	1

This course is designed to develop knowledge of legal requirements and resources for owners of businesses in the imprinted merchandise industry. The content includes activities on incorporating, taxation, legal recourses, and free enterprise design. After successful completion of Legal Aspects of Promotional Industry Ownership students may be prepared to set up a corporation in the imprinted merchandise industry.

TECHNOLOGY SUPPORT SERVICES (9001400)

*Introduction to Information Technology (8207310)	
Length	1 year
Prerequisite	None
Credit	1
	See course description on first page of Business Technologies/Information Technologies Education Programs courses.

Q *Technology Support Services - Client Systems	
Course #	9001420
Grade Level	10-11
Length	1 year
Prerequisite	IIT
Credit	1
	In this course students will be introduced to categorized storage devices, backup media, motherboard components, types and features; installing and configuring client system hardware; troubleshooting, repair and maintenance of client systems; operating systems and software; system backup and recovery; computer security; and more.

Q *Technology Support Services - Network Systems	
Course #	9001430
Grade Level	11-12
Length	1 year
Prerequisite	Technology Support Services-Client Sys.
Credit	1
	This course includes operation of data networks; various media and topologies; install and configure basic network devices; network IP addresses; network management tasks and methodologies; WLAN; network security threats and mitigation techniques; and more.

Q *Technology Support Services - Specialized Technologies	
Course #	9001440
Grade Level	11-12
Length	1 year
Prerequisite	Technology Support Services-Network Systems
Credit	1
	This course includes configure full disk encryption (FDE) software (e.g., BitLocker, BitLocker To Go; configure intranet tunneling software (e.g., DirectAccess, Barracuda); Network Mobility (NEMO); configuring and maintaining remote connections; RAID; troubleshooting specialized network and communications devices; and more.

WEB APPLICATION DEVELOPMENT & PROGRAMMING PROGRAM (9007500)

*Introduction to Information Technology (8207310)	
Length	1 year
Prerequisite	None
Credit	1
	See course description on first page of Business Technologies/Information Technologies Education Programs courses.

Q Foundations of Programming	
Course #	9007210,0
Grade Level	10-11
Length	1 year
Prerequisite	Introduction to Information Technology
Credit	1
	This course introduces concepts, techniques, and processes associated with computer programming and software development. The course content includes but is not limited to: exploring characteristics, tasks, work attributes, options, and tools associated with a career in software development; use and selection of numerical, non-numerical, and logical data types; iterative and non-iterative program control structures; programming languages; Methods and conventions for software development and maintenance; quality control; program design; security risks, threats, and strategies associated with software development;

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Q Procedural Programming	
Course #	9007220,0
Grade Level	11-12
Length	1 year
Prerequisite	Foundation of Programming
Credit	1
<p>This course continues the study of computer programming concepts with a focus on the creation of software applications employing procedural programming techniques. The course content includes but is not limited to: designing a computer program; internal and control structures for manipulating varied data types; create interactive computer program that employs functions, subroutines, or methods to receive, validate and process user input; ethics and legal responsibilities;</p>	

Q Object-Oriented Programming Fundamentals	
Course #	9007230,0
Grade Level	11-12
Length	1 year
Prerequisite	Procedural Programming
Credit	1
<p>This course is an upper level course in the Database Application Development & Programming Program to be taken by juniors and seniors in the sequence listed in the program frameworks.</p>	

Q Web Programming	
Course #	9007510,0
Grade Level	11-12
Length	1 year
Prerequisite	Object-Oriented Programming Fundamentals
Credit	1
<p>This course is an upper level course in the Web Application Development & Programming Program to be taken by juniors and seniors in the sequence listed in the program frameworks.</p>	

Q JavaScript Programming	
Course #	9007520,0
Grade Level	11-12
Length	1 year
Prerequisite	Web Programming
Credit	1
<p>This course is an upper level course in the Web Application Development & Programming Program to be taken by juniors and seniors in the sequence listed in the program frameworks.</p>	

WEB DESIGN PROGRAM (8207500)

The Web Design Program has been daggered for deletion and the new Web Development Program is replacing it. We will “teach out” the rest of the Web Design Program courses—Web Design 2, 3, and 4 with the students who are currently enrolled in the program in the next couple of years deleting the old courses one by one each year.

No student should be enrolled in: WEB DESIGN 3 – 8207130 – for this next 2013-2014 school year. Enroll students in the third course: Web Scripting Fundamentals – 9001130.

Q *Web Design 4	
Course #	8207140
Grade Level	11-12
Length	1 year
Prerequisite	Web Design 3
Credit	1
<p>This course provides advanced concepts in web site promotion, interactive web site development, and using scripting languages as they relate to WWW site.</p>	

Q *Web Design 5	
Course #	8207150
Grade Level	11-12
Length	1 year
Prerequisite	Web Design 4
Credit	1
<p>This course is designed to present an overview of e-commerce, introduce scripting and increase proficiency in audiovisual techniques.</p>	

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Q *Web Design 6	
Course #	82071650
Grade Level	11-12
Length	1 year
Prerequisite	Web Design 5
Credit	1
With the completion of this course the student will be able to plan, design, implement and promote a business web site using both individual and team talents. Students will demonstrate proficiency with industry standard software.	

Web Design	
PTEC Clearwater	
Course #	8207500/B070500
Length	150-1050 hours
Refer to preceding Web Design course descriptions.	

WEB DEVELOPMENT PROGRAM (9001100)

*Introduction to Information Technology (8207310)	
Length	1 year
Prerequisite	None
Credit	1
	See course description on first page of Business Technologies/Information Technologies Education Programs courses.

Q *Foundations of Web Design	
Course #	9001110
Grade Level	10-11
Length	1 year
Prerequisite	Introduction to Information Technology
Credit	1
This course provides instruction in website planning and the design process. It includes instruction on markup language structures, basic webpages, incorporates images and graphical formatting. The content also includes table, form and frame structures, use of Cascading Style Sheets, the process of publishing a website, monitoring and analyzing website performance and creating an informational website.	

Q *User Interface Design	
Course #	9001120
Grade Level	10-11
Length	1 year
Prerequisite	Foundations of Web Design
Credit	1
This course provides instruction in incorporating Human Computer Interface (HCI) principles of design, researching information for use in designing the user interface, creating intuitive interfaces using Cascading Style Sheets (CSS), creating a CSS formatted informational website, creating a logical website file structure, and publishing, testing, monitoring and maintaining a website.	

Q *Web Scripting Fundamentals	
Course #	9001130
Grade Level	11-12
Length	1 year
Prerequisite	User Interface Design
Credit	1
This course provides instruction in server-side and client-side scripting, client-side scripting languages (JavaScript, VBScript, and ECMAScript). The content also includes the Document Object Model (DOM), designing, writing, debugging and incorporating a JavaScript client-side script into webpage, incorporate basic JavaScript form validation and form handling, advanced JavaScript techniques and accessibility issues. Students will select and modify appropriate library and pre-built JavaScript to incorporate into webpage.	

Q *Media Integration Essentials	
Course #	9001140
Grade Level	11-12
Length	1 year
Prerequisite	Web Scripting Fundamentals
Credit	1
This course provides instruction in incorporating graphics, animations, and video assets into a webpage design using HTML techniques, create and debug XML documents and compound documents with Namespaces. The content also includes validating documents with XML Schema, also implications of Asynchronous JavaScript and SML (AJAX) for web developers, as well as planning and implementing a	

multi-page website that features graphics, pictures, and video galleries using AJAX techniques.

The following program may only be offered, with district approval, at specific schools.

DATABASE AND PROGRAMMING ESSENTIALS PROGRAM (8206400)

*Introduction to Information Technology (8207310)	
Length	1 year
Prerequisite	None
Credit	1
	See course description on first page of Business Technologies/Information Technologies Education Programs courses.

Database Fundamentals	
Course #	8206410
Grade Level	9-12
Length	1 semester
Prerequisite	Introduction to Information Technology
Credit	.5

Data Control and Functions	
Course #	8206420
Grade Level	10-12
Length	1 semester
Prerequisite	Database Fundamentals
Credit	.5

Q Specialized Database Programming	
Course #	8206430
Grade Level	11-12
Length	1 year
Prerequisite	Data Control and Functions
Credit	1

Q Specialized Database Applications	
Course #	8206440
Grade Level	12
Length	1 year
Prerequisite	Specialized Database Programming
Credit	1

SINGLE COURSES

Keyboarding and Business Skills	
Course #	8200320
Grade Level	9-12
Length	1 semester
Prerequisite	None
Credit	.5
This course is designed to provide a basic overview of current business and information systems and trends and to introduce students to the basics and foundations required for today's business environments. Emphasis is placed on developing proficiency with touch keyboarding and fundamental word processing applications, so that they may be used as communication tools for enhancing personal and work place proficiency in an information-based society.	

Computer and Business Skills	
Course #	8200330
Grade Level	9-12
Length	1 semester
Prerequisite	Keyboarding and Business Skills
Credit	.5
This course is a follow-up to Keyboarding and Business Skills and is designed to introduce students to the basic skills and foundations required for today's business environments. Emphasis is placed on developing proficiency with touch keyboarding and fundamental computer applications using databases, spreadsheets, presentation applications, and the integration of these programs using software that meets industry standards.	

Explanation of Symbols	
Symbol	Explanation
*	Practical Arts Courses meet the Fine Arts High School Graduation Requirement for students who entered their first year of high school in the 2007-2008 school year and subsequent years due to the statutory changes in the revised high school graduation section of the statute.

13-14 HS COMPUTER EDUCATION

SPECIAL COURSES OFFERED ONLY BY IB/CAT PROGRAMS

Q*Advanced Placement - Computer Science A (IB and CAT)

Course #	02003205,6
Grade Level	9-12
Length	1 year
Prerequisite	Algebra II, competence in written communications, Programming I
Credit	1
This course follows the course description and covers the content specified by the College Board. Specified language is JAVA.	
Students are required to take the Advanced Placement examination.	

Q*Computer Studies I - IB

Course #	02008005,02008006
Grade Level	9-12
Length	1 year
Prerequisite	Acceptance into IB
Credit	1
This course introduces students to advanced computer programming. The major emphasis is to acquire skills in using the computer to solve problems in such areas as mathematics, science and business. This course will place a major emphasis in developing algorithms, applying recursive techniques for some types of problems, comparing and contrasting computer language, and comparing and contrasting computer systems.	

Q*Computer Studies II - IB

Course #	02008105,02008106
Grade Level	9-12
Length	1 year
Prerequisite	Computer Studies I - IB
Credit	1
This in-depth course extends the development of logical processes in problem solving and sound programming practices using a high-level programming language. Other topics include analog and digital devices, data storage, internal and external computer hardware, programming errors, recursion,	

data types and structures, concepts of modular programming and an understanding of the role of computers in society, including their applications and limitations. (Content includes that specified by the International Baccalaureate Computer Studies Program.


Q* Information Technology in a Global Society IB-1

Course #	02008905
Grade Level	9-12
Length	1 year
Prerequisite	IB
Credit	1
This course enables students to develop the ability to explore and adapt new technological advances as tools for analysis, integrating goal 3 of the Student Performance Standards. The interaction between information, technology, and society is explored and integrated into various disciplines. Content includes systematic problem solving, analyzing and processing using modern information systems. Other topics include identification and use of information tools, the global impact of the information technology and understanding ethical issues in society.	

Q* Information Technology in a Global Society IB-2

Course #	02009005
Grade Level	9-12
Length	1 year
Prerequisite	Information Technology in Global Society IB-1
Credit	1
This course enables the student to evaluate the impact of information technology on individuals and society. It explores the advantages and disadvantages of the use of digitized information at the local and global level. The student will develop an understanding of the potential of networking that is a regular part of a constantly changing society. The content includes the use of new technologies as methods to enhance and expand our knowledge of the world and to meet the needs of society through the exploration and adaptation of new technological advances. This course will promote an awareness of the social significance of information technology for individuals, communities and organizations.	

13-14 HS COMPUTER EDUCATION

Explanation of Symbols	
Symbol	Explanation
*	Course meets Practical Arts graduation requirement.
	<p>The Pinellas County School (PCS) virtual symbol indicates this course is available in a Pinellas County School virtual learning environment.</p> <p>All Pinellas County School Virtual School (PVS) courses are aligned with the Next Generation Sunshine State Standards (NGSSS) and in the Board approved MS and HS Course Code Directories.</p>

2013-2014 HS DANCE COURSES

1-22-13

*Dance Techniques 1	
Course #	03003106
Grade Level	9-12
Length	1 year
Prerequisite	None
Credit	1
<p>Students in this year-long, entry-level course, designed for those having no prior dance instruction, learn foundational skills in two or more dance styles. Their development of fundamental dance technique is enriched and enlivened through study of works by a variety of diverse artists, developing genre-specific movement vocabulary and dance terminology, and building knowledge and skills related to somatic practices, dance composition, analysis of effort and outcomes, dance history and culture, collaborative work, and rehearsal and performance protocols.</p>	

*Dance Techniques 2	
Course #	03003206
Grade Level	9-12
Length	1 year
Prerequisite	None
Credit	1
<p>Students in Dance Techniques II, a year-long course, build on previously acquired knowledge and fundamental technical skills in two or more dance forms, focusing on developing the aesthetic quality of movement in the ensemble and as an individual. Class work is enhanced through the study of works by a variety of diverse artists and the development of genre-specific movement vocabulary and dance terminology, enabling students to strengthen somatic practices; rehearse and perform dance sequences; and create original phrases and transitions that express concrete and abstract concepts. Students develop and apply such basic 21st-century skills as self-assessment and problem-solving, critical analysis, collaboration, and rehearsal and performance protocols.</p>	

Q*Dance Techniques 3 Honors	
Course #	03003306
Grade Level	9-12
Length	1 year
Prerequisite	Dance Techniques 2
Credit	1
<p>Students in this year-long, intermediate-level course, designed for dancers who have mastered the basics in two or more dance forms, build technical and creative skills with a focus on developing the aesthetic quality of movement in the ensemble and as an individual. Class work is enhanced through the study of works by a variety of diverse artists and the development of genre-specific movement vocabulary and dance terminology, enabling students to strengthen somatic practices; rehearse and perform dance sequences; and creates original phrases and transitions that express concrete and abstract concepts. Students develop and apply such 21st-century skills as self-assessment and problem-solving, critical analysis, collaboration, and rehearsal and performance protocols.</p>	

Q*Dance Techniques 4 Honors	
Course #	03003346 (Formerly 03004906)
Grade Level	9-12
Length	1 year
Prerequisite	Dance Techniques 3
Credit	1
<p>Students in this year-long, advanced dance techniques class build on skills learned in previous dance classes to improve their performance in two or more dance styles. During the class, students perform sequences of increasing complexity to advance their technical skills. Students create portfolios to show development of critical analysis, assessment, and problem-solving skills relative to dance technique, choreography, and performance; an increase in historical and cultural knowledge; and applied knowledge of the role of movement vocabulary in aesthetics and effective visual communication. In Dance Techniques IV, students also explore the implications of technology on dancers' and consumers' experiences; and show growth in such 21st-century skills as innovation,</p>	

2013-2014 HS DANCE COURSES

1-22-13

effective collaboration, and classroom and performance protocols.

ballet and to provide an opportunity for performance. Acquisition of technique and performance skills should be stressed. The content should include, but not be limited to the following: further development of knowledge and application of basic barre and center warm-ups and techniques, turns, combinations, and across-the-floor; knowledge of performance; and knowledge of ballet terminology.

Please note:

The following courses are offered only at the PCCA program.

***Ethnic Dance**

Course #	03003006
Grade Level	9-12
Length	1 semester
Prerequisite	None
Credit	1/2

The purpose of this course is to explore and develop techniques in ethnic dance and to enhance creativity. Acquisition of techniques should be stressed. The content should include, but not be limited to knowledge and application of ethnic dance techniques from a variety of cultures.

***Ballet 3**

Course #	03003606
Grade Level	9-12
Length	1 year
Prerequisite	Ballet 2
Credit	1

The purpose of this course is to extend the acquisition of knowledge and the development of technique in ballet and to provide greater opportunity for performance. Acquisition of technique, choreography skills, and performance skills should be stressed. The content should include, but not be limited to the following: further development of knowledge and application of basic barre and center warm-ups and techniques and turns; knowledge of choreography; knowledge of turns from 4th and 5th positions in attitude and arabesque positions; knowledge of advanced ballet terminology; and public performances.

***Ballet 1**

Course #	03003406
Grade Level	9-12
Length	1 year
Prerequisite	None
Credit	1

The purpose of this course is to acquire knowledge and skills in basic ballet techniques. Acquisition of technique should be stressed. The content should include, but not be limited to the following: knowledge and application of basic barre warm-ups; center techniques; turns; across-the-floor-work; and knowledge of basic terminology.

Q*Ballet 4 Honors

Course #	03003706
Grade Level	9-12
Length	1 year
Prerequisite	Ballet 3
Credit	1

The purpose of this course is to extend, refine, and further develop technique in ballet. The content should include, but not be limited to the following: the study of musical lab annotation; further development of skills with emphasis on choreography; advanced point technique, turns, leaps, correct placement of shoulders, grande adage, and allegro; and partnering techniques (pas de deux). Course includes district developed requirements designed to demonstrate student mastery of rigorous standards required of quality point fine arts courses.

***Ballet 2**

Course #	03003506
Grade Level	9-12
Length	1 year
Prerequisite	Ballet 1
Credit	1

The purpose of this course is to extend the acquisition of knowledge and the development of technique in

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Course #	03004006
Grade Level	9-12
Length	1 year
Prerequisite	None
Credit	1
<p>The purpose of this course is to provide students in dance with opportunities to develop skills in the areas of modern, jazz, and tap dance techniques. The content should include, but not be limited to, the following: application of fundamental principles of modern, jazz, and tap technique; barre, center floor, axial center, locomotor and physiologically sound movement progressions; acquisition of technique, including isolation and movement of syncopated rhythms, and time steps.</p>	

*Dance Choreography/Performance 1	
Course #	03003806
Grade Level	9-12
Length	1 year
Prerequisite	None
Credit	1
<p>The purpose of this course is to provide the talented and skilled dancers with opportunities to acquire in-depth knowledge of techniques of choreography while continuing to refine their skills in performing. Acquisition of choreographic skills and their application to performance should be stressed. The content should include, but not be limited to, the following: in-depth knowledge of the elements of music; creating movement sequences, exploring space, time, force, and flow; improvisation; lighting; costuming; make-up for dance and performing.</p>	

*Dance Repertory 2	
Course #	03004106
Grade Level	9-12
Length	1 year
Prerequisite	Dance Repertory 1
Credit	1
<p>The purpose of this course is to further improve the dance technique and skills of students in dance with concentrated instruction in intricate jazz, modern, and tap dance. The content should include, but not be limited to the following: transitional movements; qualities of movement; lyrical, staccato, and vibratory movements; accents at longer and more advanced movement combinations; dance history emphasizing major styles, dancers, and choreographers of the 20th century; musical form; and technical theatre.</p>	

Q*Dance Choreography/Performance 2	
Course #	03003906
Grade Level	9-12
Length	1 year
Prerequisite	Dance Choreography/Performance 1
Credit	1
<p>The purpose of this course is to provide the talented and skilled dancers with opportunities to further extend the acquisition of knowledge of techniques of choreography and performance. The content should include, but not be limited to the following: experiences in dance critique; research on periods in dance history; lighting design; intermediate and advanced dance techniques in a variety of dance forms; dance choreography for performance. Course includes district developed requirements designed to demonstrate student mastery of rigorous standards required of</p>	

Q*Dance Repertory 3 Honors	
Course #	03004206
Grade Level	9-12
Length	1 year
Prerequisite	Dance Repertory 2
Credit	1
<p>The purpose of this course is to provide students in dance with opportunities for in-depth instruction and specialization in jazz, modern, and tap dance and to provide opportunities for performance to further enhance and develop techniques of dance. The content should include, but not be limited to the following: anatomy and physiology as it relates to the</p>	

*Dance Repertory 1

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dancer; dance injuries and their prevention; fundamentals of choreography; pedagogy; and critique. Course includes district developed requirements designed to demonstrate student mastery of rigorous standards required of quality point fine arts courses.

Q*Dance History Aesthetics 2 Honors	
Course #	03004606
Grade Level	9-12
Length	1 semester
Prerequisite	Dance History/Appreciation I
Credit	1/2
<p>The purpose of this course is to study dance history, its relationship to the other humanities. Students should acquire the knowledge and skills necessary to identify the origins of dances through form and structure. The content should include, but not be limited to the following; the history, criticism, and theory of dance movement; the value of dance through historical references; the study of dance fundamentals, styles, and genre; and the impact of contemporary dance forms on the humanities and society. Course includes district developed requirements designed to demonstrate student mastery of rigorous standards required of quality point fine arts courses.</p>	

Q *Dance Repertory 4 Honors	
Course #	03004306
Grade Level	9-12
Length	1 year
Prerequisite	Dance Repertory 3
Credit	1
<p>The purpose of this course is to provide students in dance with opportunities to further enhance their skills and to further their knowledge of choreography including lab annotation. The content should include, but not be limited to the following: basic symbols of the scientific method of recording movement on paper; symbolizing the elements of space, time, energy, and the parts of the body, which can be read and converted into movement and in-depth choreographic skills. Course includes district developed requirements designed to demonstrate student mastery of rigorous standards required of quality point fine arts courses.</p>	

*Dance Kinesiology and Somatics 1	
Course #	03004806
Grade Level	9-12
Length	1 year
Prerequisite	
Credit	1
<p>The purpose of this course is to study the physical systems that contribute to the science of movement with reference to dance. Students should be able to research danced technical development using knowledge of exercise physiology, kinesiology, movement taxonomy, anatomy, and principles of athletic training. Students will be involved in the study and application of the biological and physical principles of human movement to identify situations requiring correctives for the dancer.</p>	

*Dance History Aesthetics 1	
Course #	03004506
Grade Level	9-12
Length	1 semester
Prerequisite	None
Credit	1/2
<p>The purpose of this course is to study dance history, its relationship to other disciplines, dance criticism, and the theory of movement. Students should acquire the knowledge and skills necessary to value the role of dance and its contribution to life. The content should include, but not be limited to the following; the history, criticism, and theory of dance movement; the value of dance as an important realm of human experience; the study of dance fundamentals, styles, and periods; and development of dance judgments of aesthetic merit.</p>	

*Dance Kinesiology and Somatics 2 (There is no longer an honors designation in this title as it is not a level 3 course.)	
Course #	03006006
Grade Level	9-12
Length	1 year

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Prerequisite	Dance Kinesiology and Somatics 1
Credit	1
<p>The purpose of this course is to study the in-depth principles of human movement with relation to dance. Students will study factors considering acceleration, retarding levels of performance of work under various environmental conditions, the kinematic effect and kinetic principles underlying dance movement, and the influence of aesthetics on human movement. Students will analyze anatomical, physiological, and mechanical characteristics of physical structures in normal and abnormal stress situations and conduct individual in-depth projects for presentation. Course includes requirements designed to demonstrate student mastery of rigorous standards required of quality point fine arts courses.</p>	

*	An asterisk by the course title indicates that the course meets the Fine Arts graduation requirement.
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Q*Dance Seminar & Career Planning Honors	
Course #	0300620
Grade Level	11-12
Length	1 year
Prerequisite	
Credit	1
<p>The purpose of this course is to prepare the dancer to successfully complete a dance audition. Through extensive technical and marketing preparation the student will be able to develop a resume, a portfolio, and research the methods of obtaining an agent and securing audition information. The student should also develop the knowledge for intelligent selection of auditions to meet individual strengths and abilities. Students will study the creative elements of choreography, sound score and design and how they interact with the practical elements of personnel, materials and procedures in presenting dance theatre.</p>	
<p><i>*Quality Points approved for the first time in February 2012, for courses already existing in the course code directory, became effective with the 2012-2013 entering ninth grade class and subsequent years. (see district policy 5420.03, Final Grades, (H) Honors Quality Points) Note: Students not enrolled in the 2012-2013 entering ninth grade class may not receive quality points for these courses.</i></p>	

Explanation of Symbols	
Symbol	Explanation

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DIVERSIFIED CAREER TECHNOLOGY PROGRAM (8303000)

Diversified Career Technology Principles	
Course #	8303010,0
Grade Level	10-12
Length	1 year
Prerequisite	None
Credit	1
<p>This course is designed to enable each student to demonstrate employability skills; environmental, health, and safety skills; professional, legal, and ethical responsibilities; financial skills; leadership skills; communication skills; human resources and labor skills; America's economic principles; entrepreneurship principles; relate planning methods to life and career goals; and use of industry/technology principles in the workplace. Students must be enrolled in DCT/OJT.</p>	

Diversified Career Technology Applications	
Course #	8303020,0
Grade Level	10-12
Length	1 year
Prerequisite	DCTP; May be concurrently enrolled in DCTP.
Credit	1
<p>This course is designed to enable each student to apply environmental, health, and safety skills; professional, legal, and ethical responsibilities; financial management skills; leadership skills; social, legal and economic aspects of employment; international economic principles; components of a business plan; decision-making skills to life and career goals; technical skills; and the functions of management. Students must be enrolled in DCT/OJT.</p>	

Diversified Career Technology Management	
Course #	8303030,0
Grade Level	12
Length	1 year
Prerequisite	DCTP and DCTA; May be concurrently enrolled in DCTA.
Credit	1
<p>This course is designed to enable each student to implement competency and mastery in the areas of</p>	

<p>employability (human resource); environmental, health, and safety; professional, legal and ethical workplace responsibilities; financial planning; leadership skills; communication skills; labor and human resource issues related to the workplace; global and economic issues; a business plan; employability skills related to life and career goals; managerial/supervisory uses of technology; the five functions of management; the role of the manager; and technical and production skills.</p>

Diversified Career Technology- OJT (DCT-OJT)	
Course #	8300410,0
Grade Level	11-12
Length	1 year
Prerequisite	Concurrent enrollment in DCTP, DCTA, or DCTM and 2.0 cumulative GPA; Approval from the DCT Coordinator and parental permission.
Credit	Multiple Credits
<p>The course is designed to enable each student to demonstrate competencies in a specific career and to demonstrate legal and ethical behavior within the role and scope of job responsibilities through a realistic, on-the-job training experience. An individualized training plan is developed and utilized to ensure that training is provided which will develop the necessary competencies/skills in order for the student to become competent in the occupation for which he/she is being trained. The training plan is the "curriculum" for the on-the-job-training and the time card is the attendance record on-the-job. A student may not be enrolled in Diversified Career Technology OJT without concurrent enrollment in a diversified class. The student must be paid for work performed and must be directly supervised.</p>	

Diversified Education Directed Study	
Course #	8300100,0
Grade Level	12
Length	1 year
Prerequisite	DCTP and DCTA and DCTM; May be concurrently enrolled in DCTM.
Credit	Multiple Credits
<p>The purpose of this course is to provide students with additional competencies or more extensive work-</p>	

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based learning experiences related to competencies in a job preparatory program that will enhance their opportunities for employment in the occupation chosen by the student. The content is prescribed by the instructor based upon the individual student's need for directed study. Research, portfolio development, and field experiences may be considered appropriate activities if related to framework outcomes in the job preparatory program. Reinforcement of Florida's Sunshine State Standards appropriate for the job preparatory program occurs through career and technical classroom instruction and applied laboratory procedures or practice.

WORK EXPERIENCE PROGRAM (8301600)

Work Experience 1 (For Dropout Prevention students only)	
Course #	8301610G
Grade Level	9-10
Length	1 year
Prerequisite	Must be concurrently enrolled in WE-OJT.
Credit	1
<p>The purpose of this program is to provide support for at-risk students. This support shall be provided through instruction in the methods of acquiring the necessary human relations that will guide the transition from school-to-work. Concurrently, the student is to be engaged in paid, supervised part-time employment as a means of gaining experience in a bona-fide work environment in compliance with the Child Labor Law established by the U.S. Department of Labor for the Work Experience and Career Exploration Program. Opportunities are to be provided for the student to obtain competencies and recognition through successful work experience and to satisfactorily complete a high school education. A student may not enroll in a Work Experience class without concurrent enrollment in Work Experience OJT. Also, a student may not enroll in Work OJT without concurrent enrollment in a Work Experience class.</p>	

Work Experience 2 (For Dropout Prevention students only)	
Course #	8301620G
Grade Level	10
Length	1 year
Prerequisite	Work Experience 1; Must be concurrently enrolled in WE-OJT.
Credit	1
<p>This course is a continuation of Work Experience 1. Concurrent enrollment in Work Experience OJT is a program requirement.</p>	

Work Experience 3 (For Dropout Prevention students only)	
Course #	8301630G
Grade Level	11-12
Length	1 year
Prerequisite	Work Experience 2; Must be concurrently enrolled in WE-OJT.
Credit	1
<p>This course is a continuation of Work Experience 2. Concurrent enrollment in Work Experience OJT is a program requirement.</p>	

Work Experience 4 (For Dropout Prevention students only)	
Course #	8301640G
Grade Level	12
Length	1 year
Prerequisite	Work Experience 3; Must be concurrently enrolled in WE-OJT.
Credit	1
<p>This course is a continuation of Work Experience 3. Concurrent enrollment in Work Experience OJT is a program requirement.</p>	

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Work Experience OJT (For Dropout Prevention students only)	
Course #	8301650G
Grade Level	9-12
Length	1 semester
Prerequisite	Must be enrolled in a Work Experience class, approval from the Work Experience Coordinator and parental permission.
Credit	Multiple Credits
<p>This course is designed to provide students with realistic on-the-job training experience to acquire and apply knowledge, skills, and attitudes in an occupational field. The respective cooperative teacher and employer provide on-the-job supervision. This on-the-job portion of the program may be repeated for credit. Specific job skills must be identified on a job skills form. Selected job skills will be evaluated a minimum of once during each grading period.</p>	

Practical Arts General	
Course #	8300320,0
Grade Level	9-12
Length	1 year
Prerequisite	None
Credit	1
<p>The purpose of this course is to provide students with general practical skills. The content of this course will consist of instructional and learning activities provided in the school setting using hands-on experiences with the tools and materials appropriate to the course content and in accordance with current practices.</p>	

DIVERSIFIED SINGLE COURSES

Workplace Essentials	
Course #	83003101,2
Grade Level	9-12
Length	1 semester
Prerequisite	None
Credit	.5
<p>The purpose of this course is to provide students with those workplace skills essential for gainful employment. The content of this course includes the following: developing an employment plan, seeking and applying for employment opportunities, accepting employment, communicating on the job, maintaining professionalism, adapting and coping with change, work ethics and behavior, demonstrating technological literacy, maintaining interpersonal relationships and demonstrating leadership and team work.</p>	

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*Introduction to Drama	
Course #	04003001,2
Grade Level	9-12
Length	1 semester
Prerequisite	None
Credit	0.5
<p>Students explore various performance, technical, and administrative aspects of theatre. Students learn about basic characterization through physical activity, reading selected theatre literature, reading and writing theatrical reviews, and analysis of such tools as scripts, costuming, and theatrical makeup. Public performances may serve as a resource for specific instructional goals. Students may be expected to attend one or more performances outside the school day to support, extend, and assess learning in the classroom.</p>	

opportunities to build significantly on existing skills. Classwork focuses on characterization, playwriting, and playwrights' contributions to theatre; while improvisation, creative dramatics, and scene work are used to help students challenge and strengthen their acting skills and explore the technical aspect of scene work.

*Theatre 1	
Course #	04003101,2
Grade Level	9-12
Length	1 year
Prerequisite	None
Credit	1
<p>This year-long, foundational class, designed for students with little or no theatre experience, promotes enjoyment and appreciation for all aspects of theatre. Classwork focuses on the exploration of theatre literature, performance, historical and cultural connections, and technical requirements. Improvisation, creative dramatics, and beginning scene work are used to introduce students to acting and character development. Incorporation of other art forms in theatre also helps students gain appreciation for other art forms, such as music, dance, and visual art.</p>	

Q*Theatre 3 Honors	
Course #	04003301,2
Grade Level	10-12
Length	1 year
Prerequisite	Theatre 2
Credit	1
<p>This course is designed for students with extensive experience in theatre, and promotes significant depth of engagement and lifelong appreciation for theatre through a broad spectrum of primarily self-directed study and performance. In keeping with the rigor expected in an accelerated setting, students assemble a portfolio that showcases a significant body of work representing personal vision and artistic growth over time; mastery of theatre skills and techniques in one or more areas; and evidence of sophisticated oral and written analytical and problem-solving skills based on their structural, historical, and cultural knowledge.</p>	

*Theatre 2	
Course #	04003201,2
Grade Level	10-12
Length	1 year
Prerequisite	Theatre 1
Credit	1
<p>This course is designed for students with a year of experience or more, and promotes enjoyment and appreciation for all aspects of theatre through</p>	

Q*Theatre 4 Honors	
Course #	04003401,2
Grade Level	10-12
Length	1 year
Prerequisite	Theatre 3
Credit	1
<p>This course is designed for students with extensive experience in theatre, and promotes significant depth of engagement and lifelong appreciation for theatre through a broad spectrum of primarily self-directed study and performance. In keeping with the rigor expected in an accelerated setting, students assemble a portfolio that showcases a significant body of work representing personal vision and artistic growth over time; mastery of theatre skills and techniques in one or more areas; and evidence of sophisticated oral and written analytical and problem-solving skills based on their structural, historical, and cultural knowledge.</p>	

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*Theatre History and Literature 1	
Course #	0400350
Grade Level	9-12
Length	1 year
Prerequisite	
Credit	1
<p>Students' coursework focuses on the origins of western theatre from ancient civilizations through the Renaissance period. Students research and investigate the dramatic forms and practices of the times through the reading and analysis of plays and related literature. Public performances may serve as a resource for specific instructional goals. Students may be expected to attend one or more performances outside the school day to support, extend, and assess learning in the classroom.</p>	

Q *Theatre History and Literature 2 Honors	
Course #	0400360
Grade Level	9-12
Length	1 year
Prerequisite	Theatre History and Literature 1
Credit	1
<p>Students' coursework focuses on the origins of western theatre from ancient civilizations through the Renaissance period. Students research and investigate the dramatic forms and practices of the times through the reading and analysis of plays and related literature. Public performances may serve as a resource for specific instructional goals. Students may be expected to attend one or more performances outside the school day to support, extend, and assess learning in the classroom.</p>	

*Technical Theatre: Design and Production for Scenery and Props	
Course #	0400407
Grade Level	9-12
Length	1 year
Prerequisite	None
Credit	1
<p>Students focus on learning the basic tools and procedures for designing and creating scenery and properties (props) with particular attention to technical knowledge of safety procedures and</p>	

demonstrated safe operation of theatre equipment, tools, and raw materials. Students also learn the standard conventions of design presentation and documentation; the organizational structure of theatre production and creative work in a collaborative environment; through various self-assessment tools. Public performances may serve as a culmination of specific instructional goals. Students may be required to attend or participate in technical work, rehearsals, and/or performances beyond the school day to support, extend, and assess learning in the classroom.

*Technical Theatre: Design and Production for Light and Sound	
Course #	0400408
Grade Level	9-12
Length	1 year
Prerequisite	
Credit	1
<p>Students focus on learning the basic tools and procedures for designing and creating the lighting and sound needs for productions with particular attention to technical knowledge of safety procedures and demonstrated safe operation of theatre equipment, tools, and raw materials. Lighting and sound designers and technicians analyze dramatic scripts to find production solutions through historical, cultural, and geographic research. These students also learn the standard conventions of design presentation and documentation; the organizational structure of theatre production and creative work in a collaborative environment; and the resulting artistic improvement. Public performances may serve as a culmination of specific instructional goals. Students may be required to attend or participate in technical work, rehearsals, and/or performances beyond the school day to support, extend, and assess learning in the classroom.</p>	

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*Technical Theatre: Design and Production Costume, Makeup, and Hair	
Course #	0400409
Grade Level	9-12
Length	1 year
Prerequisite	
Credit	1
<p>Students focus on learning the basic tools and procedures for designing and creating costumes, hair, and makeup with particular attention to technical knowledge of safety procedures and demonstrated safe operation of theatre equipment, tools, and raw materials. Students also learn the standard conventions of design presentation and documentation; the organizational structure of theatre production and creative work in a collaborative environment; and the resulting artistic improvement. Public performances may serve as a culmination of specific instructional goals. Students may be required to attend or participate in technical work, rehearsals, and/or performances beyond the school day to support, extend, and assess learning in the classroom.</p>	

<p>may be required to attend or participate in technical work, rehearsals, and/or performances beyond the school day to support, extend, and assess learning in the classroom.</p>	
*Technical Theatre Design and Production 2	
Course #	04004201,2
Grade Level	10-12
Length	1 year
Prerequisite	Technical Theatre: Design and Production 1
Credit	1
<p>Students focus on the design and safe application of basic tools and procedures to create elements of technical theatre, including costumes, lighting, makeup, properties (props), publicity, scenery, and sound. Students develop assessment and problem-solving skills; the ability to connect selected literature to a variety of cultures, history, and other content areas. Public performances may serve as a culmination of specific instructional goals. Students may be required to attend or participate in technical work, rehearsals, and/or performances beyond the school day to support, extend, and assess learning in the classroom.</p>	

*Technical Theatre Design and Production 1	
Course #	04004101,2
Grade Level	9-12
Length	1 year
Prerequisite	None
Credit	1
<p>Students focus on developing the basic tools and procedures for creating elements of technical theatre, including costumes, lighting, makeup, properties (props), publicity, scenery, and sound. Technical knowledge of safety procedures and demonstrated safe operation of theatre equipment, tools, and raw materials are central to success in this course. Students explore and learn to analyze dramatic scripts, seeking production solutions through historical, cultural, and geographic research. Students also learn the basics of standard conventions of design presentation and documentation; the organizational structure of theatre production and creative work in a collaborative environment; and the resulting artistic improvement. Public performances may serve as a culmination of specific instructional goals. Students</p>	

*Technical Theatre Design and Production 3	
Course #	04004301,2
Grade Level	11-12
Length	1 year
Prerequisite	Technical Theatre: Design and Production 2
Credit	1
<p>Students regularly reflect on aesthetics and issues related to and addressed through theatre, and create within various aspects of theatre. Student designers and technicians assemble a portfolio that showcases a body of work representing artistic growth over time; growing command of theatre skills and techniques in one or more areas; and evidence of significant oral and written analytical and problem-solving skills. Public performances may serve as a culmination of specific instructional goals. Students may be required to attend or participate in technical work, rehearsals, and/or performances beyond the school day to support, extend, and assess learning in the classroom.</p>	

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performances outside the school day to support, extend, and assess learning in the classroom.

Q*Technical Theatre Design and Production 4 Honors	
Course #	04004401,2
Grade Level	11-12
Length	1 year
Prerequisite	Technical Theatre: Design and Production 3
Credit	1
<p>Students regularly reflect on aesthetics and issues related to and addressed through theatre, and create within various aspects of theatre in ways that are progressively more innovative. Students analyze increasingly more sophisticated theatre literature to inform the work of developing technical design and production pieces for one-acts or a larger production. Students assemble a portfolio that showcases an extensive body of work representing personal vision and artistic growth over time. Public performances may serve as a culmination of specific instructional goals. Students may be required to participate in rehearsals and performances outside the school day to support, extend, and assess learning in the classroom.</p>	

*Musical Theatre 1	
Course #	0400700
Grade Level	9-12
Length	1 year
Prerequisite	
Credit	1
<p>Students' course work focuses on, but is not limited to, acting, vocal performance, dance, non-dance movement, and staging, which transfer readily to performances in musicals and other venues. Students survey the evolution of music in theatre from ancient Greece to modern Broadway through a humanities approach and representative literature. Music theatre students explore the unique staging and technical demands of musicals in contrast to non-musical plays. Public performances may serve as a culmination of specific instructional goals. Students may be required to attend and/or participate in rehearsals and performances outside the school day to support, extend, and assess learning in the classroom.</p>	

*The Business Theatre Management and Production	
Course #	0400700
Grade Level	9-12
Length	1 year
Prerequisite	
Credit	1
<p>Students' course work focuses on, but is not limited to, acting, vocal performance, dance, non-dance movement, and staging, which transfer readily to performances in musicals and other venues. Students survey the evolution of music in theatre from ancient Greece to modern Broadway through a humanities approach and representative literature. Music theatre students explore the unique staging and technical demands of musicals in contrast to non-musical plays. Public performances may serve as a culmination of specific instructional goals. Students may be required to attend and/or participate in rehearsals and</p>	

*Musical Theatre 2	
Course #	0400710
Grade Level	9-12
Length	1 year
Prerequisite	
Credit	1
<p>Students learn from the styles and techniques used by well-known singer-actor-dancers and choreographers to build a performance portfolio for auditions and/or interviews. Students examine the contributions of major writers, composers, lyricists, and choreographers of musical theatre and learn to analyze the structures, stories, and settings of musical theatre exemplars to understand how those components serve the story and concept. Students extend their dance and movement techniques required to sing and dance at the same time. Public</p>	

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performances may serve as a culmination of specific instructional goals. Students may be required to attend and/or participate in rehearsals and performances outside the school day to support, extend, and assess learning in the classroom.

in rehearsals and performances outside the school day to support, extend, and assess learning in the classroom.

***Musical Theatre 3**

Course #	0400720
Grade Level	9-12
Length	1 year
Prerequisite	
Credit	1

Students refine their audition techniques and performance/audition portfolio, and consider the contributions of musical theatre in the community and beyond. Students select a number of pieces to showcase their abilities and become conversant about individuals who, currently and in the past, are considered major contributors to the field. Students refine their dance and movement techniques required to sing and dance for long periods of time in rehearsals and performance. Public performances may serve as a culmination of specific instructional goals. Students may be required to attend and/or participate in rehearsals and performances outside the school day to support, extend, and assess learning in the classroom.

***Theatre Cinema and Film Production**

Course #	04006601,2
Grade Level	9-12
Length	1 year
Prerequisite	None
Credit	1

In Theatre, Cinema, and Film Production, a one-credit course, students explore the elements of film and cinematic techniques used by those who create movies. Students study the techniques in film that serve the story and articulate the theme. Students also prepare a comparative for theatre, film, and literature. Public performances may serve as a resource for specific instructional goals. Students may be required to attend or participate in technical work, rehearsals, and/or film production beyond the school day to support, extend, and assess learning in the classroom.

SPECIAL COURSES OFFERED ONLY BY MAGNET PROGRAMS

***Theatre Improvisation**

Course #	04006206
Grade Level	9-12
Length	1 year
Prerequisite	None
Credit	1

Students learn to communicate effectively, both verbally and non-verbally; develop and build critical listening and collaborative skills, and think and solve problems quickly and appropriately on the spot, which transfers well to academic, career, and social arenas. Through collaboration, communication, and performance activities, students engage in improvisation as a standalone art form and as an acting methodology. Public performances may serve as a culmination of specific instructional goals. Students may be required to attend and/or participate

***Acting 1 (PCCA)**

Course #	04003706
Grade Level	9-12
Length	1 year
Prerequisite	None
Credit	1

Through improvisation, simple scripted scenes, performance projects, and/or practical application, students learn to identify what makes performances believable and explore the tools used to create, articulate, and execute them. Upon completion of this course, students have a strong foundation for future scene work, script analysis, and play production. Public performances may serve as a culmination of specific instructional goals. Students may be required

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to attend and/or participate in rehearsals and performances outside the school day to support, extend, and assess learning in the classroom.

performances outside the school day to support, extend, and assess learning in the classroom.

*Acting 2 (PCCA)	
Course #	04003806
Grade Level	10-12
Length	1 year
Prerequisite	Acting 1
Credit	1
<p>Students examine the various dimensions of characters through analysis, discussion, and classroom performance, working with scripts from a variety of time periods and cultures. They learn to break down a scene from a character's point of view, and also learn to sustain a character and build the relationship between actor and audience. Public performances may serve as a culmination of specific instructional goals. Students may be required to attend and/or participate in rehearsals and performances outside the school day to support, extend, and assess learning in the classroom.</p>	

Q*Acting 4 Honors (PCCA)	
Course #	04004006
Grade Level	11-12
Length	1 year
Prerequisite	Acting 3
Credit	1
<p>Students create characters for theatrical and film/video productions through scene, character, and technical analysis. Through improvisation, script writing, and aesthetic creation and collaboration, actors refine their working knowledge and independent thought, articulating and justifying their creative choices. Students' "critical eye" becomes more developed and significant mastery of artistic choices becomes evident. An inquiry-based capstone project may be required. Public performances may serve as a culmination of specific instructional goals. Students may be required to participate in rehearsals and performances outside the school day to support, extend, and assess learning in the classroom.</p>	

*Acting 3 (PCCA)	
Course #	04003906
Grade Level	11-12
Length	1 year
Prerequisite	Acting 2
Credit	1
<p>Students focus on development of significant acting skills and knowledge of the actor's literature, compiling a working actor's portfolio for exhibition and/or the interview process. They research potential job opportunities in the film, television, game animation, and theatre industries, as well as scholarships and opportunities available at the university level. An inquiry-based capstone project may be required. Public performances may serve as a culmination of specific instructional goals. Students may be required to participate in rehearsals and</p>	

*Theatrical Direction 1 (PCCA)	
Course #	04005006
Grade Level	9-12
Length	1 year
Prerequisite	Theatre experience
Credit	1
<p>Students learn how to select, organize, and mount formal and informal staged productions by means of exploring the leadership roles of director and stage manager. Students focus on the nature and responsibilities of the director and stage manager in relation to the entire production team; the effect of</p>	

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the director's concept on the overall production; vocabulary and principles of the various elements of play production; techniques used to create an effective theatre work; and basic knowledge and application of staging. Public performances may serve as a culmination of specific instructional goals. Students may be required to attend and/or participate in rehearsals and performances outside the school day to support, extend, and assess learning in the classroom.

eliminating those that may be undesirable in certain settings, such as regional dialects and slang. With this work, students also identify common speech errors and strengthen their comfort level with Standard American English language. Public performances may serve as a resource for specific instructional goals. Students may be expected to attend one or more performances outside the school day to support, extend, and assess learning in the classroom.

Q*Theatrical Direction 2 Honors (PCCA)	
Course #	04005106
Grade Level	10-12
Length	1 year
Prerequisite	Theatrical Direction I
Credit	1
<p>Students execute the responsibilities of director or stage manager by applying standard theatrical conventions in specialized, practical assignments. Coursework include, but is not limited to, play selection; justification, analysis, and the formation of a directorial concept; assembling a prompt book; assembling a cast, production team, and tech crew; effective team-building ensemble skills and communication practices; and successfully planning and running rehearsals leading toward one or more culminating projects. Public performances may serve as a culmination of specific instructional goals. Students may be required to attend and/or participate in rehearsals and performances outside the school day to support, extend, and assess learning in the classroom.</p>	

Q* IB Theatre 1 and 2 (IB)	
Course #	04008105/04008205
Grade Level	11-12
Length	2 years
Prerequisite	Acceptance into IB
Credit	2
<p>The IB Theatre courses focus on the historical examination of theatre to understand various cultures and the art of the stage. Included are performance, technical skills, objective self-criticism, and the synthesis of knowledge through a research project. Course includes district developed requirements designed to demonstrate student mastery of rigorous standards required of quality point fine arts courses.</p>	

*Voice and Diction 1 (PCCA)	
Course #	04005406
Grade Level	9-12
Length	1 year
Prerequisite	None
Credit	1
<p>Students assess their own and others' speaking habits and vocal characteristics as the first step in identifying qualities to retain and refine and modifying or</p>	

Explanation of Symbols	
Symbol	Explanation
*	An asterisk by the course title indicates that the course meets the Fine Arts graduation requirement.
NOTE:	In the area of music and theatre, due to the nature of performance classes, some upper level music and theatre classes may require an audition.

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ESE students meeting FCAT exemption requirements will be instructed in and tested on the state's designated access points for each core subject area.

Math: 9-12	
Course #	79120500,1,2
Grade Level	9-12
Length	1 year
Prerequisite	None
Credit	Multiple
The purpose of this course is to provide instruction in math concepts and procedures to enable students with disabilities who are functioning at independent levels to prepare to participate effectively in post school adult living and in the world of work. The content shall include, but not be limited to: number systems, operations and computations, measurement concepts, geometric concepts, probability, use calculators, data analysis, and algebraic concepts with problem solving, to apply to personal life and the workplace.	
<i>Teachers must either be certified or meet Housse requirements.</i>	

ESE Academics

Reading: 9-12	
Course #	79101000,1,2
Grade Level	9-12
Length	1 year
Prerequisite	None
Credit	Multiple
The purpose of this course is to provide instruction in reading concepts and skills to enable students with disabilities to participate effectively in post school adult living and in the world of work. The content shall include, but not be limited to: word attack skills, vocabulary, comprehension skills, and literature, reading for work or leisure, and study skills.	
Reading certification or endorsement is required.	

Science: 9-12	
Course #	79200100,1,2
Grade Level	9-12
Length	1 year
Prerequisite	None
Credit	Multiple
The purpose of this course is to provide a general knowledge of the concepts of life science, physical science, and earth science to enable students with disabilities to function at their highest levels to participate effectively in postschool adult living and in the world of work. The content should include, but not be limited to: studies of plants, animals, human growth, human development, matter, energy, force, motion, climate, weather, the solar system, and applications of scientific knowledge.	
<i>Teachers must either be certified or meet Housse requirements.</i>	

English: 9-12	
Course #	79101100,1,2
Grade Level	9-12
Length	1 year
Prerequisite	None
Credit	Multiple
The purpose of this course is to provide instruction in knowledge and skills of English to enable students with disabilities to function at their highest levels and prepare to participate effectively in post school adult living and the world of work. The content should include, but not be limited to: reading comprehension, literature, vocabulary, listening skills, speaking skills, language usage, writing, study skills, reference skills and how they apply to daily living and the workplace.	
<i>Teachers must either be certified or meet Housse requirements.</i>	

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Health and Safety: 9-12	
Course #	79200500,1,2
Grade Level	9-12
Length	1 year
Prerequisite	None
Credit	Multiple
<p>The purpose of this course is to provide a general knowledge of the concepts of health and safety to enable students with disabilities to function at their highest levels to participate effectively in postschool adult living and in the world of work. The content should include, but not be limited to: the study of physical, mental, and emotional aspects of human growth and development, nutrition, exercise, fitness, family relationships, responsibilities, diseases, disorders, safety, first aid, substance abuse, and community resources for health care.</p> <p><i>Teachers must either be certified or meet Housse requirements.</i></p>	

Career Education: 9-12 (CBI)	
Course #	79213300,1,2
Grade Level	9-12
Length	1 year
Prerequisite	None
Credit	Multiple
<p>The purpose of this course is to enable students with disabilities to apply the knowledge and skills needed to design and implement personal plans for achieving their postschool outcomes. The personal plans may address all critical transition service areas including instructions, related services, community experiences, employment, postschool adult living, and if needed, daily living skills and functional vocational evaluation. The content should include, but not be limited to: personal planning, career planning, information about careers, diploma options, post-secondary education, community involvement, personal care, interpersonal relationships, communication, and use of leisure time.</p> <p>This course is required for graduation for those students who entered 9th grade prior to 2012-2013.</p>	

Social Studies: 9-12	
Course #	79210100,1,2
Grade Level	9-12
Length	1 year
Prerequisite	None
Credit	Multiple
<p>The purpose of this course is to develop an understanding of history, geography, economics, and government to enable students with disabilities to function at their highest levels to participate effectively in post school adult living and in the world of work. The content should include, but not be limited to: studies of current and past historical events, use of tools, concepts of geography, roles of government at the local, state, national levels, responsible citizenship, community resources, consumer economics, family/culture/society, and career preparation.</p> <p><i>Teachers must either be certified or meet Housse requirements.</i></p>	

Transition Planning (formerly Life Management and Transition: 9-12)	
Course #	79600100,1,2
Grade Level	9-12
Length	2 years
Prerequisite	None
Credit	Multiple
<p>The purpose of this course is to enable students with disabilities to apply the knowledge and skills needed to design and implement personal plans for achieving their postschool outcomes. These plans will address all critical transition service areas: including instructions, related services, community experiences, employment, postschool adult living, and if needed, daily living skills and functional vocational evaluation. The content should include, but not be limited to: personal planning, career planning, information about careers, diploma options and post-secondary education, community involvement, personal care, interpersonal</p>	

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relationships, communication, and use of leisure time.

ESE ACCESS COURSES
<i>Access courses are intended only for students with a significant cognitive disability.</i>
<i>These courses require a highly qualified teacher.</i>
Access courses are intended <u>only</u> for students with a significant cognitive disability. <i>Access courses are designed to provide tiered access to the general curriculum through three levels of access points (participatory, supported, and independent), which reflect increasing levels of complexity and depth of knowledge aligned with the appropriate grade level expectations. The access courses are intentionally designed to foster high expectations for students with significant cognitive disabilities.</i>

ESE HS Access English Courses
These ACCESS courses are only for students taking the FAA.

Access English 1/2	
Course #	7910111
Grade Level	9-12
Length	1 year
Prerequisite	None
Credit	May require up to 2 years/2 credits for course completion.

The purpose of this course is to provide students with disabilities the ability to share knowledge, information, experiences, and adventures through the comprehension and use of written and oral language and to be able to interact productively and effectively with the world around them. In addition, they must know how to access knowledge and information through a variety of media for a variety of purposes. They should have the opportunity to access literature through traditional reading (comprehending written text), shared or recorded literature, specially designed text or the use of technology. Technology can be utilized for their writing. The content should include, but not be limited to: the reading process, literary analysis, the writing process, writing applications, communication, information and media literacy

Access English 3/4	
Course #	7910112
Grade Level	9-12
Length	1 year
Prerequisite	None
Credit	May require up to 2 years/2 credits for course completion. Multiple

The purpose of this course is to provide students with disabilities the ability to share knowledge, information, experiences, and adventures through the comprehension and use of written and oral language and to be able to interact productively and effectively with the world around them. In addition, they must know how to access knowledge and information through a variety of media for a variety of purposes. They should have the opportunity to access literature through traditional reading (comprehending written text), shared or recorded literature, specially designed text or the use of technology. Technology can be utilized for their writing. The content should include, but not be limited to: the reading process, literary analysis, the writing process, writing applications, communication, information and media literacy

ESE HS Access Math Courses
These ACCESS courses are only for students taking the FAA.

Access Informal Geometry	
Course #	7912060
Grade Level	9-12
Length	1 year
Prerequisite	None
Credit	May require up to 2 years/2 credits for course completion.

The purpose of this course is to develop the Geometric concepts and processes that can be used to analyze and solve a variety of routine and non-routine real-world and Mathematical problems. The content should include, but not be limited to, the following: content-related vocabulary; attributes of lines, planes, and solids; properties of size, shape, position, and space; variables and their impact on outcomes, and

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varied solution strategies to solve real-world problems.

Access Liberal Arts Mathematics	
Course #	7912070
Grade Level	9-12
Length	1 year
Prerequisite	None
Credit	May require up to 2 years/2 credits for course completion.

The purpose of this course is to develop the Algebraic and geometric concepts and processes that can be used to analyze and solve a variety of routine and non-routine real-world and mathematical problems. The content should include, but not be limited to: content-related vocabulary; operations using real numbers in real-world problems; patterns, relations, and functions, including tables, sequences, and graphs; graphs to summarize data and predict outcomes; variables and their impact on outcomes; properties of size, shape, position, and space; and varied solution strategies to solve real-world problems.

Access Algebra 1 B	
Course #	7912090
Grade Level	9-12
Length	1 year
Prerequisite	None
Credit	May require up to 2 years/2 credits for course completion.

The purpose of this course is to develop the algebraic concepts and processes that can be used to analyze and solve a variety of routine and non-routine real-world and mathematical problems. The content should include, but not be limited to: content-related vocabulary; operations using real numbers in real-world problems; patterns, relations, and functions, including tables, sequences, and graphs; graphs to summarize data and predict outcomes; ratios; variables and their impact on outcomes; and varied solution strategies to solve real-world problems.

ESE HS Access Physical Education Hope 9-12 Course
These ACCESS courses are only for students taking the FAA.

Access Algebra 1A	
Course #	7912080
Grade Level	9-12
Length	1 year
Prerequisite	None
Credit	May require up to 2 years/credits for course completion.

The purpose of this course is to develop the algebraic concepts and processes that can be used to analyze and solve a variety of routine and non-routine real-world and mathematical problems. The content should include, but not be limited to, the following: content-related vocabulary; operations using real numbers in real-world problems; patterns, relations, and functions including tables, sequences, and graphs; graphs to summarize data and predict outcomes; variables and their impact on outcomes; and varied solution strategies to solve real - world problems.

Access HOPE: 9 to 12	
Course #	7915015
Grade Level	9-12
Length	1 year
Prerequisite	None
Credit	May require up to 2 years/2 credits for course completion.

The purpose of this course is to assist students in developing physical skills and team sensibilities that will promote active participation in home, school, and community learning and social activities to enhance the quality of life experiences. Content should include, but not be limited to: physical activity, components of physical fitness, nutrition and wellness planning, diseases and disorders, health advocacy, First Aid and CPR; alcohol, tobacco, and drug prevention; human sexuality (including abstinence and HIV), cognitive abilities, lifetime fitness, movement, and responsible behaviors and values.

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issues and concerns; physiological processes; characteristics and classifications of plants and animals; plant and animal development, adaptation, and inter-relationships; plant, animal, and environment inter-relationships; renewable and non-renewable resources and scientific investigation.

ESE HS Access Science Courses
These ACCESS courses are only for students taking the FAA.

Access Chemistry 1	
Course #	7920011
Grade Level	9-12
Length	1 year
Prerequisite	None
Credit	May require up to 2 years/2 credits for course completion.
<p>The purpose of this course is to provide students with significant cognitive disabilities access to the concepts and content of Chemistry. Understanding the characteristics of and dynamic relationship between the building blocks of matter, life and the environment improves the ability to predict how we impact our surroundings and prepares us to respond to and interact with the forces and objects of nature. The content should include, but not be limited to: scientific investigation; physical and chemical properties of matter; physical and chemical changes of matter; atomic theory; chemical patterns and periodicity; conservation of energy; interaction of matter and energy; and properties of fundamental forces.</p>	

Access Biology 1	
Course #	7920015
Grade Level	9-12
Length	1 year
Prerequisite	None
Credit	May require up to 2 years/2 credits for course completion.
<p>The purpose of this course is to provide students with significant cognitive disabilities access to the concepts and content of Biology 1. Understanding the characteristics of and dynamic relationship between life forms, processes, and the environment improves the ability to predict how we develop, maintain health, and impact our surroundings. The content of this course should include, but not be limited to: biological processes; cell structure and function; health-related</p>	

Access Earth/Space Science	
Course #	7920020
Grade Level	9-12
Length	1 year
Prerequisite	None
Credit	May require up to 2 years/2 credits for course completion.
<p>The purpose of this course is to provide students with significant cognitive disabilities access to the concepts and content of Earth/Space Science. Understanding the dynamic relationship between the environment, the Earth and the universe improves the ability to predict how we impact our surroundings and prepares us to respond to and interact with the forces and objects of nature. The content should include, but not be limited to: Earth systems, structures, and processes; natural forces, and their effect on Earth and the universe; the transfer of energy and matter; the dynamic nature of the geosphere; the water cycle, weather, and climate; investigative methodology; and renewable and non-renewable energy resources.</p>	

Access Integrated Science 1	
Course #	7920025
Grade Level	9-12
Length	1 year
Prerequisite	None
Credit	May require up to 2 years/2 credits for course completion.
<p>The purpose of this course is to provide students with significant cognitive disabilities access to the concepts and content of Integrated Science. Understanding the characteristics of and dynamic relationship between energy, matter, life and the environment improves the ability to predict how we impact our surroundings and prepares us to respond to and interact with the forces and objects of nature. The content of this course should include, but not be limited to: biological, physical, and chemical characteristics of matter; characteristics of energy transmission; practical</p>	

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application of electric and magnetic phenomena; interaction of matter and energy; characteristics of life; and equilibrium of Earth's biotic community.

between the Earth's ecosystems and the populations that dwell within them; and the characteristics, distribution, and migration of human populations.

ESE HS Access Social Studies Courses
These ACCESS courses are only for students taking the FAA.

Access United States History	
Course #	7921025
Grade Level	9-12
Length	1 year
Prerequisite	None
Credit	May require up to 2 years/2 credits for course completion.

The purpose of this course is to provide students with significant cognitive disabilities an understanding of the development of the United States. The content should include, but not be limited to: causes, course and consequences of the Civil War and Reconstruction; transformation of the American economic, social and political conditions in response to the Industrial Revolution; the changing role of the United States in world affairs; changing social, political and economic conditions of the Roaring Twenties and the Great Depression; causes, course and consequences of World War II; international influence of the United States and the impact of contemporary social and political movements on American life; physical and cultural characteristics of places; characteristics, distribution, and migration of human populations; historical, social and cultural contexts of the arts; and the influence of transportation, trade, communication, science and technology on American culture.

Access United States Government	
Course #	7921015
Grade Level	9-12
Length	1 year
Prerequisite	None
Credit	May require up to 2 years/2 credits for course completion.

The purpose of this course is to provide students with cognitive disabilities an understanding of how humans interact with their environment, the concept of citizenship and how to contribute to their communities, advocate for themselves and develop both civic and social competence. The content should include, but not be limited to: origins and purposes of government, law and the American political system; roles, rights and responsibilities of United States Citizens; principles, functions and organization of government; United States foreign policy; characteristics, distribution, and migration of human populations; and human actions that impact the environment.

Access Economics	
Course #	7921020
Grade Level	9-12
Length	1 year
Prerequisite	None
Credit	May require up to 2 years/2 credits for course completion.

The purpose of this course is to provide students with significant cognitive disabilities access to the concepts and content of economics and how resources affect global cultures and dynamics. The content of this course should include, but not be limited to: fundamental concepts of local, national, and international economics; maps and other geographic representations, tools and technology; physical and cultural characteristics of places; relationships

ESE Special Skills

Preparation for Adult Living (ET only) (formerly Preparation for Postschool/Adult Living)	
Course #	79630100,1,2
Grade Level	9-12
Length	1 year
Prerequisite	None
Credit	Multiple

The purpose of this course is to enable students with disabilities to acquire the knowledge and skills needed to prepare for postschool adult living. The content

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should include, but not be limited to: personal planning, personal care, living arrangements, household maintenance, interpersonal relationships, community involvement, use of leisure time, and communication.

Skills for Students Who Are Motor and Other Health Impaired	
Course #	79630300,1,2
Grade Level	9-12
Length	1 year
Prerequisite	Eligibility for Services
Credit	Multiple
The purpose of this course is to provide instruction for students who have physically disabling conditions or other health impairments that substantially limit one or more major life activities and require adaptation of the school environment or curriculum in order to benefit from an educational program. The content should include, but not be limited to: independent functioning, communication, social participation, employment and post school adult living, use of adaptive equipment and assistance in home at school and in the community.	

Skills for Students Who Are Deaf or Hard of Hearing	
Course #	79630400,1,2
Grade Level	9-12
Length	1 year
Prerequisite	Eligibility for Services
Credit	Multiple
The purpose of this course is to enhance the acquisition, comprehension, and use of language for students who are deaf or hard of hearing. The content should include, but not be limited to: communication, use of hearing aides and assistive devices, community resources, community services, hearing loss, deaf culture and heritage, interpreters and note takers.	

Skills for Students Who Are Visually Impaired	
Course #	79630500,1,2
Grade Level	9-12
Length	1 year
Prerequisite	Eligibility for Services

Credit	Multiple
The purpose of this course is to provide instruction for students who have visual impairments which affect their ability to function in the home, community, or educational setting. The content should include, but not be limited to: maximum use of sensory input, access to print information through the use of strategies and modifications for completion of general education requirements, personal communication systems, personal management, interpersonal relationships, productivity and career options.	

Orientation and Mobility Skills	
Course #	79630600,1,2
Grade Level	9-12
Length	1 year
Prerequisite	Eligibility for Services
Credit	Multiple
The purpose of this course is to provide instruction in skills involving orientation and mobility. Orientation is the collection and organization of information concerning the environment and one's relationship to it. Mobility is the ability to move effectively within that environment. The content should include, but not be limited to: developing independent travel skills, using major forms of public transportation, traveling to specific destinations in an unfamiliar environment; and locating and using survival symbols in order to access public places.	

Social and Personal Skills	
Course #	79630700,1,2
Grade Level	9-12
Length	1 year
Prerequisite	None
Credit	Multiple
The purpose of this course is to provide instruction related to environmental, interpersonal, and task-related behavior of students with disabilities. The content should include, but not be limited to: appropriate classroom behavior, social and personal development, communication skills, behavioral control, conflict resolution, responsibility, interpersonal problem solving, and appropriate use of leisure time.	

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EBD students and those students on an FBA or RTI behavior plan should be enrolled in this class. Also, open to all other ESE students.

Learning Strategies	
Course #	79630800,1,2
Grade Level	9-12
Length	1 year
Prerequisite	None
Credit	Multiple
<p>The purpose of this course is to provide instruction that enables students with disabilities to acquire and use strategies and skills to enhance their independence as learners in educational and community settings. The content should include, but not be limited to: strategies for acquiring and, storing knowledge, oral and written expression, problem solving, linking new information with prior knowledge, and active participation in reading. Content shall also include self-regulated use of comprehension strategies, test taking skills, time management, organizational skills, social skills, planning skills and self-advocacy.</p> <p><i>Recommended elective for all ESE 9th graders and for any ESE student that has not passed the FCAT and/or obtained at least a 2.0 GPA. (Teacher must be trained in SIM Learning Strategies Curriculum.)</i></p>	

Skills for Students who are Deaf-Blind	
Course #	79631200,1,2
Grade Level	9-12
Length	1 year
Prerequisite	Eligibility for Services
Credit	Multiple
<p>The purpose of this course is to provide instruction and reinforcement in the unique skills needed by the student who is deaf-blind. The content should include, but not be limited to: sensory awareness, self-concepts, self-direction, orientation, mobility, social skills, communication skills, functional living skills, household management, vocational training, and use of leisure time.</p>	

Unique Skills	
Course #	79631300,1,2
Grade Level	9-12
Length	1 year
Prerequisite	None
Credit	Multiple
<p>The purpose of this course is to enable students with disabilities to acquire skills that are needed to achieve the maximum level of independent functioning. The content should include, but not be limited to: living skills, social skills, learning skills, and communication skills.</p>	

Skills for Students with Autism	
Course #	79631100,1,2
Grade Level	9-12
Length	1 year
Prerequisite	None
Credit	Multiple
<p>The purpose of this course is to provide instruction in the unique skills to be mastered by a student with autism. The skills are divided into learning, living, social, and communication areas. The content should include, but not be limited to: activities of daily living, recreation, behavior, social functioning, language, communication, academic skills, functional academics, and sensory motor integration.</p>	

Self-Determination (formerly Self-Determination: 9-12)	
Course #	79631400,1,2
Grade Level	9-12
Length	1 year
Prerequisite	None
Credit	Multiple

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The purpose of this course is to enable students with disabilities to develop and apply self-determination skills in school, home, community, and work settings. These skills will assist students with achieving their desired school and post-school outcomes, participating actively and effectively in planning meetings, and self-advocating in multiple settings. The content should include, but not limited to self-awareness, self-advocacy, self-efficacy, personal and career planning, goal setting, independent performance and self-evaluation.
ESE Miscellaneous

Visual and Performing Arts	
Course #	79670100,1,2
Grade Level	9-12
Length	1 year
Prerequisite	None
Credit	Multiple
The purpose of this course is to enable students with disabilities to develop knowledge and appreciation of the visual and performing arts. The content should include, but not be limited to: music, dance, visual arts, theater, and careers in the arts.	
(Must be taught by a certified teacher.)	
ESE Therapy	

Specially Designed Physical Education	
Course #	79150100,1,2
Grade Level	9-12
Length	1 year
Prerequisite	None
Credit	Multiple
The purpose of this course is to provide opportunities for students with disabilities to develop motor skills and to participate in various physical activities that may be modified to meet individual needs. The content should include, but not be limited to: team sports, independent sports, recreational sports, motor development, and physical fitness.	
Must be noted on student's IEP. (Must be taught by a certified Physical Education Instructor.)	

Physical Therapy	
Course #	79660100
Grade Level	9-12
Length	1 year
Prerequisite	Eligibility for Services
Credit	Multiple
The purpose of this course is to provide instruction to students with disabilities who have physically disabling conditions, including sensory-motor or neuromuscular deficits, that substantially limit one or more major life activity and requires adaptation of the school environment or curriculum in order to benefit from an educational program. The content should include, but not be limited to: the maintenance, restoration, or enhancement of motor and sensory skills, the use of adaptive equipment and assistive devices, to promote independence in mobility and the management of health-related functions.	

Driver Education for Special Learners	
Course #	79190100,1,2
Grade Level	9-12
Length	1 year
Prerequisite	None
Credit	Multiple
The purpose of this course is to provide students with disabilities with the basic knowledge necessary to obtain a Florida driver's license. The content should include, but not be limited to: driving regulations, safety signs, road symbols, driving courtesy, map-reading skills, simple auto maintenance, and insurance.	
This course does not involve driving. (Teacher must have Driver's Education Endorsement.)	

Occupational Therapy	
Course #	79660200
Grade Level	9-12
Length	1 year
Prerequisite	Eligibility for Services
Credit	Multiple
The purpose of this course is to provide instruction to students with disabilities whose physical, motor, or neurological deficits result in significant dysfunction in daily living or academic learning skills to the extent that they require adaptation of the school environment or curriculum in order to benefit from an educational program. The content should include, but	

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not be limited to: maintain, restore, or enhance motor and sensory skills, the use of adaptive equipment or assistive devices, and promote independence in activities of daily living.

Speech Therapy	
Course #	79660300,1,2
Grade Level	9-12
Length	1 year
Prerequisite	Eligibility for Services
Credit	Multiple
<p>The purpose of this course is to provide students exhibiting communication disorders that negatively impact their ability to benefit from the educational process appropriate instruction in the communication skills necessary for academic learning, social interaction, and vocational success. The content should include, but not be limited to: articulation, fluency, and voice therapies.</p>	

Language Therapy	
Course #	79660400,1,2
Grade Level	9-12
Length	1 year
Prerequisite	Eligibility for Services
Credit	Multiple
<p>The purpose of this course is to provide students exhibiting language disorders that negatively impact their ability to benefit from the educational process appropriate instruction in the language skills, both oral and written, necessary for academic learning, social interaction, and vocational success. The content should include, but not be limited to form which includes phonology, syntax, and morphology, the use of content which includes semantics, and function which includes pragmatics.</p>	

ESE Vocational Education for Students with Disabilities

Job Preparatory Education	
Course #	79800300,1,2
Grade Level	9-12
Length	1 year
Prerequisite	None
Credit	Multiple
<p>The purpose of this job preparatory course is to provide instruction for students with disabilities in the competencies necessary for effective entry into an occupation. The content should include, but not be limited to: workplace evaluation, on-the-job training activities, and components from vocational job preparatory courses.</p>	
(Must be taught by a certified vocational instructor)	

Preparation for Entrepreneurship/Self Employment	
Course #	7980040
Grade Level	9-12
Length	1 year
Prerequisite	None
Credit	Multiple
<p>The purpose of this course is to prepare students with disabilities for employment in one or more jobs in the agribusiness and natural resources industry. The particular job or jobs may be selected from the wide range of occupations in the field of agribusiness and natural resources. The content should include, but not be limited to, the following: - employability skills</p>	

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- interpersonal and leadership skills
- use of technology, tools, equipment, and supplies
- maintenance of facilities, equipment, and records
- job-specific skills and competencies

work situations aimed at further progress toward achieving the student’s desired postschool outcomes related to a career. The content should include, but not be limited to: self-appraisal, decision making, self-determination, self-advocacy, career options, community resources related to career decisions, workplace competencies, and responsibilities of employees.

Career Preparation	
Course #	79801100,1,2
Grade Level	9-12
Length	1 year
Prerequisite	None
Credit	Multiple
<p>The purpose of this course is to enable students with disabilities to acquire the career knowledge and skills necessary to identify career options, access community resources, and develop work-related behaviors. The course will provide a foundation for further progress toward achieving the student’s desired postschool outcomes related to a career. The content should include, but not be limited to: self-appraisal, decision making, self-determination, career options, community resources related to career decisions, workplace competencies, and responsibilities of employees.</p>	
<p>This course is required for graduation for students who entered 9th grade prior to 2012-2013.</p>	

Career Placement (OJT)	
Course #	79801300,1,2
Grade Level	9-12
Length	1 year
Prerequisite	None
Credit	Multiple
<p>The purpose of this course is to enable students with disabilities to use the career knowledge and skills necessary to identify career options, access community resources, and apply work-related behaviors. The course will provide placement in a job in the community aimed at further progress toward achieving the student’s desired postschool outcomes related to a career. The content should include, but not be limited to: self-appraisal, decision making, self-determination, self-advocacy, career selection, community resources related to career decisions, workplace competencies, and responsibilities of employees.</p>	

Career Experience (CBVE & School Based Jobs)	
Course #	79801200,1,2 C, T
Grade Level	9-12
Length	1 year
Prerequisite	None
Credit	Multiple
<p>The purpose of this course is to enable students with disabilities to further develop the career knowledge and skills necessary to identify career options, access community resources, and practice work-related behaviors in a CBI program or on a campus teacher assistant program. The course will provide guided practice and experiences in school and community</p>	

Supported Competitive Employment	
Course #	79801500,1,2
Grade Level	9-12
Length	1 year
Prerequisite	Meet eligibility requirements
Credit	Multiple
<p>The purpose of this course is to enable students with moderate and severe disabilities who are functioning at supported levels to acquire skills necessary for successful individual supported competitive employment. Features of supported employment</p>	

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include intensive on site training, fade-off, ongoing monitoring, and on site advocacy. Students **will** receive intensive one-on-one training by a job coach. Students **will** receive ongoing support with at least one hour of follow-along services per week at the job site after stabilization has been attained. The content, that is provided as part of employment, should include: positive work habits, appropriate grooming skills, related safety procedures, appropriate decision making skills, specific job-related skills, and self-reliance.

Student must be referred to and qualify for this course.

in each student’s Individual Educational Plan (IEP). The content will be designed to provide appropriate modifications, guidance, and supports for individual students to address the Sunshine State Standards.

ESE Non-Credit Courses

Therapeutic Instructional Support	
Course #	79000100
Grade Level	None
Length	1 year
Prerequisite	None
Credit	None
The purpose of this course is to provide instructional support for students with disabilities who require counseling and mental health treatment in either individual or small group settings in order to achieve the Annual Goals and Short-Term Objectives specified in each student’s Individual Educational Plan (IEP). The content will be designed to provide appropriate modifications, guidance, and supports for individual students to address the Sunshine State Standards.	

Hospital and Homebound Instructional Services	
Course #	79000300
Grade Level	9-12
Length	semester or 1 year
Prerequisite	None
Credit	None
The purpose of this course is to enable the student with disabilities to acquire skills when served in a hospital or homebound setting, in order to achieve the Annual Goals and Short-Term Objectives specified	

**2012-13 High School Gifted
Elective Course Descriptions for PCS**

Research Methodology Gifted (Elective Credit)	
Course #	7965010
Grade Level	9-12
Length	1 year
Prerequisite	Student must meet state criteria for gifted program eligibility.
Credit	MC
The content of this course should include, but not be limited to, the following: research methodology appropriate for a selected discipline or area of study, use of primary and secondary resource materials, skills in expression and communication, skills in the use of technology to search for information, manage projects, and produce documents and multimedia products.	

Gifted Studies (Elective Credit)	
Course #	7965040
Grade Level	9-12
Length	1 year
Prerequisite	Student must meet state criteria for gifted program eligibility.
Credit	MC
The content of this course should include, but not be limited to, the following: higher order thinking skills, independent learning, and application of acquired	

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knowledge, high level communication, career exploration, leadership and self-awareness.

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Culinary Arts 1-4 Program # 8800500	
Course #	8800510 1,2
	* 8800520 1,2
	* 8800530 1,2
	Q 8800540 1,2
Grade Level	9-12
Length	1-4 years
Prerequisite	None
Credit	1
<p>This program provides students with the opportunity to learn about the restaurant and food service industry. The recommended curriculum, ProStart, was created by the National Restaurant Association. Students learn basic food preparation, accounting, cost control, sanitation, and workplace safety. On-the-job training through internships and job site mentoring are an important part of the instruction. Upon successful completion of this program, students are eligible for certifications and articulations with selected post-secondary institutions.</p>	

Culinary & Hospitality Specialties 1 & 2	
Course #	Culinary & Hospitality Specialties 1 88006101,2
	Culinary & Hospitality Specialties 2 88006201,2
Grade Level	9-12
Length	1-4 year
Prerequisite	Culinary Arts 1-4
Credit	1
<p>This program was developed for students who are interested and have time in their schedule for additional culinary instruction beyond the Culinary Arts program. The content includes but is not limited to safe and efficient work practices, marketing a business in the hospitality industry, the relationship of food and science, organizational and planning skills related to catered events, sustainability of the industry, utilization of technology to enhance hospitality businesses, and many levels/types of food preparation. A capstone project is required at the conclusion of both courses.</p>	

Hospitality and Tourism Directed Study	
Course #	88010001,2
Grade Level	11-12
Length	1 year
Prerequisite	Travel and Tourism Marketing and Mgt.
Credit	Multiple Credits
<p>The purpose of this course is to provide students with learning opportunities in a prescribed program of study within the Hospitality and Tourism cluster(s) that will enhance opportunities for employment in the career field chosen by the student. The content is prescribed by the instructor based upon the individual student's assessed needs for directed study. This course may be taken only by a student who has completed or is currently completing a specific secondary job preparatory program or occupational completion point for additional study in this career cluster. A student may earn multiple credits in this course. The selected standards and benchmarks, which the student must master to earn credit, must be outlined in an instructional plan developed by the instructor.</p>	

Hospitality and Tourism Cooperative Education OJT	
Course #	88004201,2
Grade Level	11-12
Length	1 year
Prerequisite	
Credit	Multiple Credits
<p>Hospitality and Tourism Cooperative Education combines classroom instruction with supervised on-the-job training in a hospitality and tourism occupation that matches the student's career objective. Students will reinforce their classroom skills while on the job. A student may not be enrolled in Hospitality and Tourism Cooperative Education without concurrent enrollment in a hospitality and tourism class. The student must be paid for work performed and must be directly supervised.</p>	

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and articulations with selected post-secondary institutions.

NOTE: This course is for seniors that started in ECE 8503210.

Early Childhood Education NEW Program # 8405100	
This program was created due to the major revisions of the existing Early Childhood Education program. All new students should be enrolled in this program effective 2011-12.	
Course #	8405110 1, 2
	8405120 1, 2
	*8405130 1, 2
	Q 8405140 1, 2 Early Childhood Education 4
Grade Level	9-12
Length	1-4 years
Prerequisite	Must be taken in sequence; may be concurrent.
Credit	1 credit per level
Students will gain a working knowledge of childrens' physical, emotional, social, and intellectual growth by participating in the actual operation of a preschool center. Developmentally appropriate practices for children will be emphasized. The state mandated 40 Clock Hour Training for child care workers will be provided. Upon successful completion of this program, students are eligible for state certifications and articulations with selected post-secondary institutions.	

Teacher Assisting Program # 8909000		
Course #	89090101,2	Teacher Assisting 1
	89090201,2	Teacher Assisting 2
	89090301,2	Teacher Assisting 3
	89090401,2	Teacher Assisting 4
Note: The secondary program should include the following components: 10 hours of field experience and/or observation during Teacher Assisting 1 and an additional 15 hours of field experience and/or observation during Teacher Assisting 2. Students will also successfully complete a Teacher Assisting practicum experience of 25 hours during Teacher Assisting 3 and an additional 50 hours during Teacher Assisting 4.		

Teacher Assisting 1	
Course #	89090101,2
Grade Level	9-12
Length	1 year
Prerequisite	None
Credit	1
This course is designed to develop competencies related to the role, regulations, and career path of teacher assistants; the role of education; leadership and CTSO activities; instructional technology, interpersonal and communication skills; maintaining appropriate student behavior; and educational-support tasks. During this course students must participate in and document a minimum of 10 hours of field experience and/or observation and will begin creating their portfolio.	

Early Childhood Education 4 Q Early Childhood Education 4	
Course #	Q 85032141, 2
Grade Level	10-12
Length	1 - 4 years
Prerequisite	Must be taken in sequence; may be concurrent.
Credit	1 credit per level
Students will gain a working knowledge of childrens' physical, emotional, social, and intellectual growth by participating in the actual operation of a preschool center. Developmentally appropriate practices for children will be emphasized. The state mandated 40 Clock Hour Training for child care workers will be provided. Upon successful completion of this program, students are eligible for state certifications	

Teacher Assisting 2	
Course #	89090201,2
Grade Level	9-12
Length	1 year
Prerequisite	Teacher Assisting 1
Credit	1
This course is designed to develop competencies in the legal factors related to education; creating assessments; the supervision of student health and	

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safety; the reporting of child abuse and drug abuse; working with exceptional students; diversity awareness; and strategies to support students' learning activities. During this course students must participate in and document a minimum of 15 hours of field experience and/or observation (this is in addition to the 10 hours completed during Teacher Assisting 1) and should continue developing their portfolio.

Teacher Assisting 3	
Course #	89090301,2
Grade Level	9-12
Length	1 year
Prerequisite	Teacher Assisting 2
Credit	1
<p>This course is designed to develop competencies related to supporting the learning activities of students that involve literacy and multiple intelligences; it includes job related math skills and the ability to prepare classroom materials. During this course students must participate in and document 25 hours of a practicum and continue developing their portfolio.</p>	

Teacher Assisting 4	
Course #	89090401,2
Grade Level	9-12
Length	1 year
Prerequisite	Teacher Assisting 3
Credit	1
<p>This course is designed to develop competencies related to employability skills; developing relationships between school and the home; intrapersonal skills and professionalism. During this course students must participate in and document a 50 hour practicum (this is in addition to the 25 hour practicum in Teacher Assisting 3). A formal observation of the student will be conducted by the instructor during the latter part of the practicum experience. The student should submit a completed portfolio to the instructor by the end of this course.</p>	

Education and Training OJT	
Course #	85004100
Grade Level	11-12
Length	1 semester
Prerequisite	Concurrent enrollment in the following programs: Early Childhood Education or Culinary Operations or Fashion Design Services or Interior Design Services. Instructor's approval, parental permission, and a minimum of 2.0 cumulative GPA are required.
Credit	Multiple credits
<p>Supervised on-the-job training provides opportunities for selective placement based on the student's job preparatory program and the development and evaluation of occupational competencies. Job related classroom instruction MUST be provided. The student must be paid for work performed and must be directly supervised.</p>	

Education and Training Directed Study	
Course #	8500100
Grade Level	11-12
Length	1 semester
Prerequisite	Student must have earned 4 credits in Early Childhood Education or Culinary Operations or Fashion Design Services or Interior Design Services.
Credit	Multiple Credits
<p>The purpose of this course is to provide students with additional competencies in a Family and Consumer Sciences program that will enhance their opportunities for employment in the occupation chosen by the student.</p>	

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This course is designed to further develop competencies in the area of fashion design services. It includes employment opportunities in fashion design services, basic skills essential to working in this industry, employability skills, elements and principles of design, the terminology of the apparel industry, garment construction skills, sales techniques, and entrepreneurship.

*Fashion Technology and Design Services Program # 8506400		
Course #	*8506405 1,2	Design Services Core
	*8506410 1,2	Principles of Fashion Design Services
	*8506420 1,2	Pattern Design Techniques
	Q *8506430 1,2	Fashion Design Specialist

The Fashion Design Services program is designed to prepare students for initial employment or continued study in the Fashion industry. This program focuses on broad transferable skills, stresses the understanding and demonstration of the following aspects of the fashion industry: planning, management, finance, technical and production skills, underlying principles of technology, labor issues, community issues, and health, safety, and environmental issues.

This program is a planned **sequence of instruction** consisting of a core course and three additional courses. Students must complete the core before advancing to the other courses in the program. The core provides the foundation and basic skills that will enable the student to progress to the advanced courses in the program. The core course (8506405/HEV0010) is also a component of the Interior Design Services program because of the many commonalities in Fashion and Interior Design.

NOTE: Course descriptions for each course above are listed below.

* Pattern Design Techniques	
Course #	85064201,2
Grade Level	9-12
Length	1 year
Prerequisite	Design Services Core and Principles of Fashion Design
Credit	1

This course is designed to further develop competencies in the area of fashion design services. It includes researching history and culture's effect on design, sketching and free hand drawing, use of technology in the fashion industry, clothing needs for special population, and creation of an original pattern.

Q *Fashion Design Specialist	
Course #	85064301,2
Grade Level	9-12
Length	1 year
Prerequisite	Design Services Core, Principles of Fashion Design and Pattern Design Techniques
Credit	1

This course is designed to further develop competencies in the area of fashion design services. This course focuses on five specialty areas of fashion design services: window display, fashion design assistant, tailor's assistant, personal shopper, and stylist. Students will select one of those specialty areas and will be expected to follow the performance standards for that area. Also included is an opportunity for job shadowing and students will be expected to finalize and submit a portfolio.

* Principles of Fashion Design Services	
Course #	85064101,2
Grade Level	9-12
Length	1 year
Prerequisite	Design Services Core
Credit	1

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NOTE: This is the first course for the **Fashion Technology and Design Services** and **Interior Design Services Programs**.

* Principles of Interior Design Services	
Course #	85065401,2
Grade Level	9-12
Length	1 year
Prerequisite	Design Services Core
Credit	1
<p>This course is designed to further develop competencies in the area of interior design services. It includes employment opportunities in interior design services, basic skills essential to working in this industry, employability skills, the elements and principles of design, sales techniques and entrepreneurship.</p>	

*Interior Design Techniques	
Course #	85065501,2
Grade Level	9-12
Length	1 year
Prerequisite	Design Services Core and Principles of Interior Design Services
Credit	1
<p>This course is designed to further develop competencies in the area of interior design services. It includes components of the design process, the effect of history and culture on design, sketching and free hand drawing, the impact of human, environmental and ergonomic factors on design, rendering techniques, and the development of a design project.</p>	

Q *Interior Design Specialist	
Course #	85065601,2
Grade Level	9-12
Length	1 year
Prerequisite	Design Services Core, Principles of Interior Design Services, and Interior Design Techniques
Credit	1
<p>This course is designed to further develop competencies in the area of interior design services. This course focuses on 4 specialty areas of interior design services: kitchen and bath planning; floor, wall,</p>	

*Interior Design Services Program # 8506500		
Course #	*8506405 1,2	Design Services Core
	*8506540 1,2	Principles of Interior Design Services
	*8506550 1,2	Interior Design Techniques
	Q*8506560 1,2	Interior Design Specialist
<p>The Interior Design Services program is designed to prepare students for initial employment or continued study in the Interior Design/Decorating industry. This program focuses on broad transferable skills and stresses the understanding and demonstration of the following aspects of the residential design and decoration industry: planning, management, finance, technical and production skills, underlying principles of technology, labor issues, community issues, and health, safety, and environmental issues.</p>		
<p>NOTE: Course descriptions for each course above are listed below.</p>		

* Design Services Core	
Course #	85064051,2
Grade Level	9-12
Length	1-4 year
Prerequisite	None
Credit	1
<p>This course is designed to develop competencies in the areas of the interior design/decorating industry OR fashion design industry. It includes essential basic skills for working in design services, basic principles of design, textile characteristics and care, employability skills, safe use of tools and equipment and selection of appropriate materials.</p>	

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and window treatments; furniture, lighting and accessories; and audio visual and security systems. Students will select one of those specialty areas and will be expected to follow the performance standards for that area. Students will develop a design project and finalize and submit a portfolio.

Course #	8200400
Grade Level	11-12
Length	1 year
Prerequisite	This course may be taken only by a student who has completed or is currently completing a specific secondary job preparatory program or occupational completion point for additional study in this career cluster. A student may earn multiple credits in this course.
Credit	Multiple
The purpose of this course is to provide students with learning opportunities in a prescribed program of study within the Arts A/V Technology and Communication that will enhance opportunities for employment in the career field chosen by the student.	
NON Program Elective Courses	

The following two courses may be used with either the Fashion Technology and Design Services Program #8506400 or Interior Design Services Program # 8506500

Arts, A/V Technology and Communication Cooperative Education OJT	
Course #	8200430
Grade Level	9-12
Length	1 year
Prerequisite	Each student job placement must be related to the job preparatory program in which the student is enrolled or has completed.
Credit	Multiple

The purpose of this course is to provide the on-the-job training component when the **cooperative method of instruction** is appropriate. Whenever the cooperative method is offered, the following is required for each student: a training agreement; a training plan signed by the student, teacher and employer, including instructional objectives; a list of on-the-job and in-school learning experiences; a workstation which reflects equipment, skills and tasks which are relevant to the occupation which the student has chosen as a career goal; and a site supervisor with a working knowledge of the selected occupation. The workstation may be in an industry setting or in a virtual learning environment. The student **must be compensated** for work performed.

Arts, A/V Technology and Communication Directed Study

Blueprint for Professional Success	
Course #	85003750,1,2
Grade Level	9-12
Length	1 semester or 1 year
Prerequisite	None
Credit	1
This course is designed to assist students in making informed decisions regarding their future academic and occupational goals. Current technology resources will be used to investigate the broad range of occupations and careers. This includes, but is not limited to, personal decision making as it applies to careers, occupations and entrepreneurial opportunities.	

Child Development	
Course #	85003100
Grade Level	9-12
Length	1 semester
Prerequisite	None
Credit	1/2 credit
This course is designed to prepare students to understand the nature of child development from conception to age three. This course emphasizes positive development and nurturing of the family at each stage of a child's growth. This course is strongly recommended for students planning to take Early Childhood Education.	

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*Fabric Construction	
Course #	8500380
Grade Level	9-12
Length	1 semester
Prerequisite	None
Credit	1/2 credit
<p>The purpose of this course is to prepare students to understand the use and care of fabrics and textiles; to construct a project; to explore employment opportunities in clothing and textiles; and to sew for fun and/or profit. <i>Plan for approximately \$25.00 for materials and supplies.</i></p>	

Food Science Technology	
Course #	85003950,1,2
Grade Level	9-12
Length	1 semester or 1 year
Prerequisite	Nutrition and Wellness strongly recommended.
Credit	1/2 credit or 1 credit
<p>This course provides students with the opportunity to explore foods and technology through a science based curriculum. Instruction and learning activities are conducted in a classroom laboratory setting. Relationships between diet and a healthy body are explored as well as related careers.</p>	

Family Dynamics	
Course #	85003450
Grade Level	11-12
Length	1 semester
Prerequisite	None
Credit	1/2 credit
<p>This course is designed to prepare students for the roles, responsibilities and relationships essential to functional families. Instruction will focus on self-understanding and understanding the nature, function, and significance of human relationships within the family unit.</p>	

Life Management Skills	
Course #	85020000
Grade Level	9-12
Length	1 semester
Prerequisite	None
Credit	1/2 credit
<p>The content includes but is not limited to positive emotional, social, physical, and intellectual development of the individual; marriage and skill based relationship education; family and community; consumer education; nutrition; cardiopulmonary resuscitation (CPR); hazards of smoking; substance education; breast and testicular self-examination and cancer detection; human immunodeficiency virus (HIV), acquired immunodeficiency syndrome (AIDS) and other sexually transmitted diseases; and benefits of sexual abstinence, and consequences of teenage pregnancy.</p>	

Family, Home, and Consumer Technology (Senior Survival)	
Course #	85003650,1,2
Grade Level	9-12
Length	1 semester or 1 year
Prerequisite	None
Credit	1/2 credit or 1 credit
<p>Instruction is designed to develop decision making and resource management skills to prepare the student for the ever changing future. Major emphasis is placed on the latest technology as it relates to home and family. Concepts include independent living skills; how to be a good shopper; how to manage your money; choosing a place to live; healthy lifestyles; and related careers. This course is also known as "Senior Survival," offered only to seniors. Emphasis is placed on helping high school graduates prepare for independent living in a dormitory or apartment.</p>	

Nutrition and Wellness	
Course #	85003550
Grade Level	9-12
Length	1 semester
Prerequisite	None
Credit	1/2 credit
<p>This course will prepare students to understand principles of nutrition in relationship to wellness, food choices, food preparation, and food storage. The concepts of meal planning and management are also</p>	

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addressed. Classroom food laboratory activities are an integral part of this course.

Prerequisite	Nutrition and Wellness strongly recommended
Credit	1/2 credit
Instruction and learning activities are provided in a foods lab using hands-on experiences. Activities provide instruction in the application of the principles of food preparation, food selection and storage. Ethnic, regional and international foods may also be studied and prepared.	

Parenting Skills	
Course #	85003000
Grade Level	9-12
Length	1 semester
Prerequisite	None
Credit	1/2 credit
The purpose of this course is to prepare students for the multiple roles essential to becoming a model parent and to understand the dual roles of parents and wage earners. Students will learn to understand and appreciate the challenges of taking care of children.	

Explanation of Symbols	
Symbol	Explanation
*	Practical Arts Courses meet the Fine Arts High School Graduation Requirement for students who entered their first year of high school in the 2007-2008 school year and subsequent years due to the statutory changes in the revised high school graduation section of the statute.

Personal and Family Finance	
Course #	85001200
Grade Level	9-12
Length	1 semester
Prerequisite	None
Credit	1/2 credit
The purpose of this course is to give students an overview of personal and family finance concepts including the American economic system, personal and family management of resources including income, money management, saving and investing, spending and credit, the role of financial institutions and the consumer, consumer information and taxation and financial planning.	
This content includes, but is not limited to, consumer rights and responsibilities, record-keeping, decision making and consumer choices, resource management, credit, taxation, wills, savings plans, investments, money management resources, insurance and contracts.	

Principles of Food Preparation	
Course #	8500390
Grade Level	9-12
Length	1 semester

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*Health Education I - Life Management Skills	
Course #	08003000
Grade Level	9-12
Length	1 semester
Prerequisite	None
Credit	1/2
<p>The purpose of this course is to produce health literate students that make sound decisions and take positive actions for healthy and effective living. The course is wellness oriented and emphasizes responsible decision-making and planning for a healthy lifestyle. The content should include, but is not limited to, the following:</p> <ul style="list-style-type: none"> •Responsible decision-making •Goal-setting, including personal health and individual wellness planning •Positive emotional development, including the prevention of depression and suicide •Communication, interpersonal and coping skills, including prevention of violence, gangs, and bullying •Nutrition and physical activity •Tobacco, alcohol, and other drug use and abuse •Safety education, including cardiopulmonary resuscitation (CPR) and automatic external defibrillator (AED), first aid for obstructed airway, and injury prevention •Prevention of child abuse and neglect •Human sexuality, including abstinence from sexual activity, and teen pregnancy prevention •Disease prevention and control, including HIV/AIDS and other STIs •Analyzing health information and consumer knowledge •Health-related community resources •Health advocacy skills 	

factor assessments and behavior change/goal projects.	
Health Education II - Personal Health	
Course #	08003100
Grade Level	9-12
Length	1 semester
Prerequisite	Health Education I
Credit	1/2
<p>The purpose of this course is to provide an in-depth study of the principles of personal health maintenance. Wellness promotion for self and others will be emphasized along with responsible decision-making and planning for a healthy lifestyle. The content should include, but is not limited to, the following:</p> <ul style="list-style-type: none"> •Wellness promotion •Roles and relationships of family members •Health issues related to stages of life •Personal safety •Positive emotional development, including the prevention of suicide •Health care systems •Health careers •Environmental health •Consumer health •Community health •Current and emerging diseases and disorders 	

Health for Life in the Workplace	
Course #	08003950
Grade Level	9-12
Length	1 semester
Prerequisite	None
Credit	1/2
<p>The purpose of this course is to emphasize real-world health literacy knowledge and skills that promote individual and societal responsibilities to foster a well work force. The engaging rigorous content would include: consumer and health care system information, safety practices, personal and social responsibility, health ethics, coping skills and stress-management, interpersonal communication skills, risk</p>	

Q Advanced Health Explorations	
Course #	08003600
Grade Level	11-12
Length	1 semester
Prerequisite	Health Education I
Credit	1/2
<p>The purpose of this course is for students to apply health-related research practices. Experiences include discourses in major health problems in society, modern health practices, current scientific findings related to human diseases and disorders, collection, analysis and evaluation of health information, health advocacy trends, and health career investigations. The content should include, but is not limited to, the following:</p> <ul style="list-style-type: none"> •Trends in current and emerging diseases including prevention, control, and treatment •Communicable and non-communicable diseases •Interrelationships of body systems •Wellness promotion •Analyze and evaluate health information •Health advocacy skills •Health careers •Health-related community resources. 	

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Community Environmental Health	
Course #	08003400
Grade Level	9-12
Length	1 semester
Prerequisite	None
Credit	1/2
<p>This course provides an in-depth study of individual and societal interactions with the environment. The course emphasizes cause and effect relationships and problem-solving strategies to promote healthy communities. The content should include, but is not limited to, the following:</p> <ul style="list-style-type: none"> •Individual and societal responsibilities for the protection of health •Health care systems •Government regulations and services •Community agencies •Environmental health careers •Natural and man-made conditions that affect human health including, air quality, solid waste, radiation, noise •Industrial hygiene •Modes of transmission for infectious agents such as foods, water, vectors, air, and human contact •Community planning •Population impact 	

Adolescent Health Problems	
Course #	08003500
Grade Level	9-12
Length	1 semester
Prerequisite	Health Ed. I
Credit	1/2
<p>This course provides students with opportunities for investigation and self-assessment of selected adolescent health problems. This course should incorporate individual, small group, and large group study. The content should include, but is not limited to, the following:</p> <ul style="list-style-type: none"> •Communication, interpersonal and coping skills •Responsible decision-making •Personal relationships •Family problems, such as separation and divorce •Death and dying •Risk-taking and self-defeating behaviors •Positive emotional development, including the prevention of depression and suicide, violence, gangs, and bullying •Personal hygiene and appearance •Disease prevention and control, including HIV/AIDS and other STIs •Human growth and development through adulthood including human sexuality, abstinence from sexual activity, and pregnancy prevention •Parenting skills and caregiving, including child abuse and neglect •Health-related community resources •Tobacco, alcohol, and other drug use and abuse 	

First Aid Safety	
Course #	08003200
Grade Level	9-12
Length	1 semester
Prerequisite	None
Credit	1/2
<p>This course provides a basic overview of the causes and preventions of unintentional injuries, appropriate emergency responses to those injuries and crisis response planning. Safety education should include cardiopulmonary resuscitation (CPR) and the use of an automatic external defibrillator (AED), first aid for obstructed airway, and injury prevention. The content should include, but is not limited to, the following:</p> <ul style="list-style-type: none"> •Safety promotion •First aid procedures •Adult, child, and infant CPR, and AED procedures •Disaster preparedness •Community resources and services •Career and public service opportunities 	

Personal, Social, and Family Relationships	
Course #	08003300
Grade Level	9-12
Length	1 semester
Prerequisite	None
Credit	1/2
<p>The purpose of this course is to develop advanced knowledge and skills that promote positive social and emotional interactions and relationships. The content includes in-depth study of basic human needs, self-awareness and acceptance. The content should include, but is not limited to, the following:</p> <ul style="list-style-type: none"> •Responsible decision-making and goal-setting •Positive emotional development and coping skills •Communication skills such as conflict-resolution, peer mediation, and negotiation skills 	

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- Stress management and the prevention of suicide
- Family dynamics
- Parenting skills, including the prevention of child abuse and neglect
- Benefits of mutually monogamous relationships like marriage
- Human growth and development through adulthood including human sexuality, abstinence from sexual activity, and teen pregnancy prevention
- Mental health
- Disease prevention and control , including HIV/AIDS and other STIs
- Health-related community resources

Parenting I	
Course #	08003700
Grade Level	9-12
Length	1 semester
Prerequisite	None
Credit	1/2
<p>This course provides students with skills and information to enable them to care for and nurture the infant child. Emphases are placed on child safety, nutrition, and growth and development. Additional content includes care of the sick or injured child, parental rights and responsibilities, consumer skills, and building positive family relationships. The content should include, but is not limited to, the following:</p> <ul style="list-style-type: none"> •Healthy lifestyle and pre and post natal care •Stages of physical, social, cognitive, and emotional development of infants •Positive emotional development of mother •Communication, interpersonal and coping skills •Responsible decision-making •Parenting skills and care-giving including prevention of child abuse and neglect and infant mortality •Family relationships including parental rights and responsibilities •Child care, safety, and hygiene •Disease prevention and control common infant illnesses •Health-related community resources •Consumer skills 	

Health for Expectant Parents	
Course #	08003900
Grade Level	9-12
Length	1 semester
Prerequisite	None
Credit	1/2
<p>The purpose of this course is to develop knowledge and skills that promote a healthy baby, mother, and family. Emphasis is placed on human reproduction, fetal growth and development, physical changes during pregnancy, health care and nutrition for the expectant mother, the birth process, decision making, and family planning. The content should include, but is not limited to, the following:</p> <ul style="list-style-type: none"> •Human reproduction •Stages of fetal development •Stages of physical, social, cognitive, and emotional development of an infant •Physical and emotional development and care of expectant mother •Birth process •Pre and post natal care •Disease prevention and control of common illnesses affecting mother and fetus •Healthy lifestyle of family •Family planning and care giving •Parenting skills including prevention of child abuse, neglect, and infant mortality •Family relationships including parental rights and responsibilities •Communication, interpersonal and coping skills •Responsible decision-making and goal-setting •Health-related community resources •Consumer skills 	


Parenting II	
Course #	08003800
Grade Level	9-12
Length	1 semester
Prerequisite	None
Credit	1/2
<p>This course provides students with skills and information to enable them to care for and nurture the toddler and preschool-age child. Emphases are placed on child safety, nutrition, and growth and development. Additional content includes care of the sick or injured child, parental rights and responsibilities, consumer skills, and building positive family relationships. The content should include, but is</p>	

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not limited to, the following:

- Healthy lifestyle of family
- Stages of physical, social, cognitive, and emotional development of toddler and preschool-age child
- Positive emotional development of mother
- Communication, interpersonal and coping skills
- Responsible decision-making
- Parenting skills and care-giving including prevention of child abuse and neglect
- Family relationships including parental rights and responsibilities
- Child care, safety, and hygiene
- Disease prevention and control common toddler and preschool-age children's illnesses
- Behavior management
- Child learning and play experiences
- Health-related community resources
- Consumer skills

Explanation of Symbols	
Symbol	Explanation
*	Course meets Health graduation requirement for 12 th graders.
	<p>The Pinellas County School (PCS) virtual symbol indicates this course is available in a Pinellas County School virtual learning environment.</p> <p>All Pinellas County School Virtual School (PVS) courses are aligned with the Next Generation Sunshine State Standards (NGSSS) and in the Board approved MS and HS Course Code Directories.</p>

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Health Science Education courses are offered only at Boca Ciega High and Palm Harbor University High.	
SPECIAL COURSES OFFERED ONLY BY THE MEDICAL MAGNETS	

* Health Science 1	
Course #	8417100 1,2
Grade Level	9-12
Length	1 year
Prerequisite	None
Credit	1
In addition to the opportunity to investigate specific health career data, students learn how the human body functions. Each body system is studied to learn how it functions, and the effects of more common diseases. These concepts are related to the provision of health care by the various health careers workers.	

* Health Science 2	
Course #	8417110 1,2
Grade Level	9-12
Length	1 year
Prerequisite	Health Science-May have concurrent enrollment in any Health Science Education level 3 class.
Credit	1
This course provides all potential health career students with an opportunity to explore concepts basic to the broad field of health care. Subjects covered include roles and interactions of various workers, medical communication skills, legal and ethical responsibilities, the effects of illness on a patient and his family, safety and infection control, and the use of computers in health care. Hands on skills, generic to all health fields, are learned. Instruction includes both theory and practice.	

Explanation of Symbols	
Symbol	Explanation
*	When Health Science 1 and 2 are completed they may be substituted for one credit in Anatomy and Physiology.

Allied Health Assisting 3	
Course #	8417131 1,2
Grade Level	10-12
Length	1 year
Prerequisite	Health Science 1 and 2
Credit	1
The course is designed to prepare students for employment as an allied health aide, medical assistant, physician aide, medical laboratory assistant, occupational therapy aide, physical therapy aide, respiratory therapy aide or radiologic aide. Major areas of allied health are defined as physical therapy, emergency, radiation, laboratory and respiratory medicine, and occupational therapy. Upon successful completion of this program, students are eligible for articulations with selected post-secondary institutions.	

Dental Aide 3	
Course #	8417141 1,2
Grade Level	10-12
Length	1 year
Prerequisite	Health Science 1 and 2. Health Science 2 may be concurrent.
Credit	1
This program is designed to provide classroom theory and practical application in assisting dentists with actual dental procedures in the care of a patient. It is designed to prepare students for entering or pursuing further education in the dental field. Classroom, laboratory, and clinical activities are provided to enhance application of practical skills.	

Electrocardiograph Aide 3	
Course #	84171610
Grade Level	10-12
Length	1 semester
Prerequisite	Health Science 1 and 2. Health Science 2 may be concurrent.
Credit	1/2
The purpose of this course is to prepare students for employment or advanced training as an Electrocardiograph Aide 3. Health Science 1 and 2 is a prerequisite for this course. High school students completing Health Science 1 and 2 will not have to repeat the "core" in post-secondary programs. A	

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student who successfully completes this course may either continue with a postsecondary training program or exit as a program completer. Specific course information regarding licensure and certification guidelines is included with the skill standards portion of the framework.

environmental issues. Work based learning experiences are an integral part of this program.

Emergency Medical Responder	
Course #	8417171 1,2
Grade Level	10-12
Length	1 year
Prerequisite	Health Science 1 and 2. Health Science 2 may be concurrent.
Credit	1
<p>This is an instructional program that prepares any individual to provide initial care to sick or injured persons or as ambulance drivers and attendants. The content includes vital signs, airway management, primary and secondary assessment, medical legal aspects, BLS/CPR, bleeding and shock control, dressing and bandaging, musculoskeletal injuries, spine injuries, emergency documentation, patient transfer, medical and traumatic emergencies, respiratory distress, poisoning, burns, entrapment, childbirth and infection control.</p>	

Health Science Education Directed Study	
Course #	8400100 0
Grade Level	10-12
Length	1 semester
Prerequisite	Health Science 1 and 2 and completed a HSE program
Credit	Multiple Credits
<p>The purpose of this program is to provide students with additional competencies or more extensive occupational experiences related to competencies in a health science career. The content is prescribed by the instructor based upon the individual student's need for directed study. Research, portfolio development, and field experience are utilized.</p>	

Health and Wellness	
Course #	8417120
Grade Level	10-12
Length	1 year
Prerequisite	Health Science 1 and 2
Credit	1
<p>The purpose of this course to prepare students for the wellness and fitness marketplace and its various components such as instructor coach groups or individuals in exercise activities and the fundamentals of an individual's health and wellness. Personal trainers demonstrate techniques and methods of participation and observe participants and inform them of corrective measures necessary to improve their skills and personal health. The content includes but is not limited to planning, management, finance, technical and production skills, applied aspect of leadership, underlying principles of technology, labor issues, community issues and health, safety, and</p>	

Health Science Education Cooperative Education OJT	
Course #	8400410, 0
Grade Level	10-12
Length	1 semester
Prerequisite	Concurrent enrollment in a Health Science Education program, instructor's approval, and 2.0 cumulative GPA.
Credit	Multiple Credits
<p>This course is available to students who have completed Health Sciences 1 and 2 and are currently enrolled in a level 3 class. The student must be employed in an approved Health Science Education position and receive compensation for work performed.</p>	

<i>Health Unit Coordinator Program (8417280)</i>	
Health Unit Coordinator 1	
Course #	8417281 1,2
Grade Level	9-12
Length	1 year
Prerequisite	Health Science 1 and 2. Health Science 2 may be concurrent.
Credit	1
<p>This program is designed to prepare students for employment as ward clerks, or health unit</p>	

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coordinators. Curriculum in this course includes medical terminology, legal and ethical issues, as well as transcription of physicians' orders. Classroom, laboratory, and clinical experiences are used to enhance practical skills.

The program is designed to prepare students for employment as nursing assistants, nursing aides and orderlies. The content includes interpersonal skills, medical terminology, legal and ethical responsibilities; safe and efficient work, gerontology, nutrition, pet-facilitated therapy, health and safety including Cardiopulmonary Resuscitation (CPR) heart saver level and employability skills. For nursing assistant certification a minimum of 40 hours clinical and/or cooperative education learning experiences must be obtained. Upon successful completion of this program, students are eligible for state certification and articulations with selected post-secondary institutions.

Home Health Aide 3	
Course #	8417191 0
Grade Level	10-12
Length	1 semester
Prerequisite	Health Science 1 and 2. Health Science 2 may be concurrent.
Credit	1/2

This course is designed to prepare students for employment as a home attendant, or home health aide, nursing aides and orderlies. The content includes instruction in those supportive services that are required to provide and maintain bodily and emotional comfort and to assist the patient toward independent living in a safe environment.

Q Practical Nursing	
Course #	8418310 1,2 - 8418390 1,2
Grade Level	10-12
Length	1-2 years
Prerequisite	Health Science 1 and 2 and Certified Nursing Assistant
Credit	1 credit per level

The above courses are designed to prepare students for employment as a licensed practical nurse. This program is only offered to high school students in a medical magnet program. This course may only be taught at Pinellas Technical Education Center (PTEC). The student must have prior approval from the nursing department chair and/or administrator at PTEC and the medical magnet program coordinator.

Q Medical Lab Assist 3 & 4	
Course #	8417201 1,2 & 8417202 1,2
Grade Level	10-12
Length	1-2 years
Prerequisite	Health Science 1 and 2. Health Science 2 may be concurrent.
Credit	1 credit per level

The purpose of the above courses is to prepare students for employment or advanced training as a Medical Laboratory Assistant. Health Science 1 and 2 will not have to repeat the "core" in post-secondary programs. A student who successfully completes Medical Laboratory Assisting 3 and 4 may either continue with a postsecondary training program or exit as a program completer.

Q Vision Care Assisting 3 & 4	
Course #	8417231 1,2 & 8417232 1,2
Grade Level	10-12
Length	1-2 years
Prerequisite	Health Science 1 and 2
Credit	1 credit per level

The purpose of the above courses is to prepare students for employment or advanced training as a Vision Care Assistant. Health Science 1 and 2 is a prerequisite for this course. High school students completing Health Science 1 and 2 will not have to repeat the "core" in post-secondary programs. A student who successfully completes Vision Care Assisting 3 and 4 may either continue with a

Q Nursing Assistant 3	
Course #	8417211 1,2
Grade Level	10-12
Length	1 year
Prerequisite	Health Science 1 and 2. Health Science 2 may be concurrent.
Credit	1

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postsecondary training program or exit as a program completer.

Course #	8400320 1,2
Grade Level	9-12
Length	1 year
Prerequisite	None
Credit	1
<p>The purpose of this program is to provide students with an introduction to the health care field. Topics covered include current trends in health care delivery, exploration of the expanding career opportunities and the required education, medical terminology, and beginning health care skills basic to all health careers.</p>	

Pharmacy Technician Program	
Course #	8418210
	8418220
	8418230
	8418240
	8418250
	8418260
	8418270
Grade Level	9-12
Length	7 credits
Prerequisite	Health Science 1 and 2
Credit	1 credit per level
<p>The program is designed to prepare students for employment as pharmacy technicians. This program focuses on broad, transferable skills and stresses understanding and demonstration of the following elements of the health care industry; planning, management, finance, technical and production skills, underlying principles of technology, labor issues, community issues and health, safety, and environmental issues.</p> <p>The content includes but is not limited to metric system, medical terminology, medicinal drugs, pharmaceutical compounding, USP 795 standards, sterile techniques, USP 797 standards, maintenance of inventory, IV preparation, receiving and handling of hazardous materials, preparing purchase orders, receiving and checking supplies purchased, printing labels, typing prescription labels, delivering medications, pricing prescription drug orders and supplies, prepackaging unit dose packages, patient record systems, control records, and data processing automation in pharmacy.</p>	

Medical Skills and Services

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Automotive Collision: Repair and Refinishing	
Course #	87090101,2 & 87090201,2
PTEC Course #	St Pete I470603
Q*Automotive Collision: Repair and Refinishing 8709030-90	
Grade Level	9-12
Length	1-4 years
Prerequisite	Must be taken in order
Credit	1-9
<p>This program offers a sequence of courses that provides coherent and rigorous content aligned with challenging academic standards and relevant technical knowledge and skills needed to prepare for further education and careers in the Transportation, Distribution and Logistics career cluster; provides technical skill proficiency, and includes competency-based applied learning that contributes to the academic knowledge, higher-order reasoning and problem-solving skills, work attitudes, general employability skills, technical skills, and occupation-specific skills, and knowledge of all aspects of the Transportation, Distribution and Logistics career cluster. The content includes but is not limited to basic trade skills; refinishing skills; sheet metal repair skills; frame and unibody squaring and aligning; use of fillers; paint systems and undercoats; related welding skills; related mechanical skills; trim-hardware maintenance; glass servicing; and other miscellaneous repairs. The course content should also include training in communication, leadership, human relations and employability skills; and safe, efficient work practices. This program focuses on broad, transferable skills and stresses understanding and demonstration of the following elements of the Automotive industry; planning, management, finance, technical and product skills, underlying principles of technology, labor issues, community issues, and health, safety and environmental issues.</p>	

Auto Detailing and Reconditioning	
Course #	87100101,2 & 87100201,2 & 87100301,2
PTEC Course #	St Pete I470603
Grade Level	9-12
Length	1-3 years
Prerequisite	Must be taken in order
Credit	1-3
<p>The purpose of this program is to prepare students for employment as automotive detailer. The content includes but is not limited to, dealer preparation, installing accessories, polishing, upholstery repair, glass replacement, waxing and sealing, rust proofing, and pressure cleaning.</p>	

Automotive Service Technology	
Course #	87094101,2 & 87094201,2
PTEC Course #	Clw I470608
Q*Automotive Service Technology 8709430-46	
	8709470 Q Automotive Service Technology 7
	8709480 Q Automotive Service Technology 8
	8709490 Q Automotive Service Technology 9
	8709491 Q Automotive Service Technology 10
	8709492 Q Automotive Service Technology 11
	8709493 Q Automotive Service Technology 12
Grade Level	9-12
Length	1-4 years
Prerequisite	Must be taken in order
Credit	1-12
<p>The purpose of this program is to prepare students for employment as automotive mechanics, front end mechanics, tune-up mechanics, brake mechanics, and automobile air conditioning mechanics. The content includes but is not limited to minor engine repairs, servicing automotive components, troubleshooting skills, repair and overhaul of brake and air conditioning systems. This course may be taken in one or more multi-hour blocks of time.</p>	

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Building Construction Technologies	
Course #	87203101,2 & 87203201,2
	Q*Building Construction Technology 8720330-70
PTEC Course #	St Pete I460401
Grade Level	9-12
Length	1-4 years
Prerequisite	Must be taken in order
Credit	1-7
<p>The purpose of this program is to prepare students for employment as maintenance repairers, building maintenance workers or project crew workers. The content includes but is not limited to basic carpentry, electrical, plumbing, air conditioning, and masonry practices.</p>	

*Commercial Art Technology	
Course #	87180101,2 & 87180201,2
	Q*Commercial Art Technology 8718030-91
PTEC Course #	Clw I480203
Grade Level	9-12
Length	1-4 years
Prerequisite	Must be taken in order
Credit	1-10
<p>The purpose of this program is to prepare students for employment as artists and related workers, illustrators, commercial designers (SOC 27-1024). The course content includes the following: basic art skills; lettering skills; preparation of layouts and illustrations; preparation of camera ready paste-up; and development of specialized skills. The course content also includes training in communication, leadership, human relations and employability skills; and safe, efficient work practices. This program focuses on broad, transferable skills and stresses understanding and demonstration of the following elements of the Commercial Art industry; planning, management, finance, technical and product skills, underlying principles of technology, labor issues, community issues and health, safety, and environmental issues.</p>	

Carpentry	
Course #	87221101,2 & 87221201,2
	Q*Carpentry & Cabinetmaking 8722130-70
PTEC Course #	St Pete I460202
Grade Level	9-12
Length	1-4 years
Prerequisite	None
Credit	1-7
<p>The purpose of this program is to prepare students for employment in the carpentry and cabinetmaking industry with a stress on basic carpentry/cabinet making skills. This program offers a sequence of courses that provides coherent and rigorous content aligned with challenging academic standards and relevant technical knowledge and skills needed to prepare for further education and careers in the Architecture & Construction career cluster; provides technical skill proficiency, and includes competency-based applied learning that contributes to the academic knowledge, higher-order reasoning and problem-solving skills, work attitudes, general employability skills, technical skills, and occupation-specific skills, and knowledge of all aspects of the Architecture & Construction career cluster.</p>	

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*Cosmetology (Courses 8905120-90 meet Practical Arts requirement)		
Course #	Course Name	Credit
8757210	Grooming and Salon Services Core 1	.5
8905120	Cosmetology Nails 2	.5
8905130	Cosmetology Facials 3	.5
8905140	Cosmetology 4	1
8905150	Cosmetology 5	1
8905160	Cosmetology 6	1
8905170	Cosmetology 7	1
8905180	Cosmetology 8	1
8905190	Cosmetology 9	1.5
Grade Level 9-12		
Length 4 years		
Prerequisite Grooming and Salon Services Core (8757210, .5 credit) must be taken first and then these courses must be taken in order.		
Credit .5 - 8		
<p>A student completing the Cosmetology program is prepared for employment as a licensed Hairdressers, Hairstylists, and Cosmetologists (SOC 39-5012). Instruction is designed to qualify students for employment upon successfully obtaining a Cosmetology license. The content includes, but is not limited to: communication, leadership, human relations and employability skills; safe and efficient work practices; Florida cosmetology law and rules; acquisition of knowledge of the cosmetology/nails specialist/facial specialist and the related chemistry; bacteriology, anatomy and physiology; art of make-up; and development of skill in performing the manipulative and electrical techniques required in the practice of cosmetology/nails specialist and facials specialist occupations. This program focuses on broad, transferable skills and stresses understanding and demonstration of the following elements of the cosmetology industry; planning, management, finance, technical and production skills, underlying technological principles, labor, community, health, safety, and environmental issues.</p>		

Electricity	
Course #	87272101,2 & 87272201,2
Q*Electricity 8727230-80	
PTEC Course #	St Pete I460312
Grade Level	9-12
Length	1-4 years
Prerequisite	Must be taken in order
Credit	1-8
<p>The purpose of this program is to prepare students for employment as electricians, or electrician helpers. The content includes but is not limited to installation, operation, maintenance and repair of residential electrical systems. This course may be taken in one or more multi-hour blocks of time.</p>	

Diesel Engine Service	
Course #	87420101,2 & 8740201,2 & 87420301,2
Q*Heavy Mechanic 8742030-93	
PTEC Course #	Clw I470605
Grade Level	9-12
Length	1-4 years
Prerequisite	Must be taken in order
Credit	1-12
<p>The purpose of this program is to prepare students for employment as diesel mechanics, or diesel engine mechanic helpers. The content includes but is not limited to maintaining, troubleshooting, and repairing diesel engines used in industry. This course may be taken in one or multi-hour blocks of time.</p>	

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Machining	
Course #	87540101,2 & 87540201,2
	Q*Machining 8754030-091
PTEC Course #	Clw I480503
Grade Level	9-12
Length	1-4 years
Prerequisite	Must be taken in order
Credit	1-13
The purpose of this program is to prepare students for employment as lathe operators, mill operators, cut-off saw operators, machine set-up persons, and drill press operators. The content includes but is not limited to producing machine parts, bench work, blueprint reading, precision measurement, layout and inspection. These courses may be taken in one- or multi-hour blocks of time.	

Practical Technical & Industrial Occupations	
Daggered for Deletion in 2014-15	
Course #	87003001,2
Grade Level	9-12
Length	1 year
Prerequisite	N/A
Credit	1
The purpose of this program is to provide individuals with practical knowledge, skills, and attitudes relating to an occupational cluster within the technical and industrial program area. This content will better prepare the student in the selection of vocational and academic course work. The content includes, but is not limited to, an overview of the subject trade occupational concepts of occupations within that cluster, to include realistic knowledge and expectations of the work environment, career potential, requirement for and extent of basic skills (math, science, and communications), employability	

*Printing and Graphic Communications	
Course #	87390101,2 & 87390201,2 & 8739030
	Q*Printing and Graphic Communications 8739040-80
	Do not meet Practical Arts Requirement 8739090-93
Grade Level	9-12
Length	1-4 years
Prerequisite	Must be taken in order
Credit	1-12
The purpose of this program is to prepare students for initial employment in the Printing and Graphics Communications Industry. The course content will include but is not limited to the following: Administrative support operations, pre-press/imaging operations, press operations and finishing operations. The course content should also include training in communication leadership, human relations' employability skills; and safe, efficient work practices. This program also prepares individuals to set up, operate and maintain preparation, printing, binding and finishing equipment used in the printing and Graphic Communications Industry. Graduates of this program will also be prepared for further specialized training and education in Graphic Arts Technology and other related technologies. This program focuses on broad, transferable skills and stresses understanding and demonstration of the following elements of the Printing and Graphic Communications Industry; planning, management, finance, technical and product skills, underlying principles of technology, labor issues, community issues and health, safety, and environmental issues.	

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*Television Production	
Course #	87721101,2 & 87721201,2
	Q Television Production 87721301,2
	Q Television Production 87721401,2
	Q*Television Production 87721501,2
	Q*Television Production 87721601,2
	Q*Television Production 87721701,2
	Q*Television Production 87721801,2
	Q*Television Production 87721901,2
	Q Television Production 87721911,2
	Q Television Production 87721921,2
PTEC Course #	St Pete I100104
Grade Level	9-12
Length	1-4 years
Prerequisite	None (must be taken in order)
Credit	1-11
<p>The purpose of this program is to prepare students for initial employment as television production operators, television broadcast technicians, camera operators, all other professional/paraprofessional technicians, video recording engineers, audio recording engineers, or to provide a foundation for college degree path opportunities in the Television Production industry. The content will include communication skills; leadership skills; human relations and employability skills; safe and efficient work practices; and preparation to assume responsibility for overall production of television studio activities including: scripts, lighting, taping and directing, electronic news gathering, and field production. This program focuses on broad transferable skills and stresses, understanding and demonstration of the following elements of the Television Production industry; planning, management, finance, technical and product skills, underlying principles of technology, labor issues, community issues and health, safety, and environmental issues. Laboratory activities are an integral part of this course and provide instruction in camera principles, audio and video control, lighting methods, control room, operation, and set preparation.</p>	

Air Conditioning, Refrigeration and Heating Technology	
Course #	8713010-70
Grade Level	9-12
Length	1-4 years
Prerequisite	Must be taken in order
Credit	1-7
<p>The purpose of this program is to prepare students for employment or advanced training in the heating, air-conditioning (A/C), and refrigeration and ventilation industry. This program prepares students for employment as A/C, Refrigeration and Heating Helper, A/C, Refrigeration and Heating Mechanic Assistant, A/C, Refrigeration and Heating Mechanic, A/C, Refrigeration and Heating Technician, and Refrigeration Technician (SOC 49-9021).The student should obtain EPA certification prior to leaving school in order to be employed in any job that requires work with refrigerants.</p>	

*Architectural Drafting	
Course #	8725010-20
	Q*8725430-90
Grade Level	9-12
Length	1-4 years
Prerequisite	Must be taken in order
Credit	1-9
<p>The program's structure consists of five Occupational Completion Points (OCPs) taken in a planned sequence of instruction. Each OCP enables the student to assume a job title as outlined below. This allows the student to complete a portion to gain employment, or continue training to exit as a program completer.</p> <p>OCP A: Blueprint Reader – Training includes basic drafting skills, fundamentals of computers, multi-view, sectional, and auxiliary drawings, as well as basic dimensioning.</p> <p>OCP B: Drafting Assistant – Training includes pictorials, surface developments, basic architectural drawings, basic civil drawings, basic electrical/electronic drawings, basic computer- aided drawings, communication skills, applied mathematics, basic science, employability skills and entrepreneurship.</p> <p>OCP C: Drafting Detailer – Training includes preparing construction details for residential construction.</p>	

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OCP D: CAD Technician – Training includes preparing architectural and advanced computer-aided drawings.
 OCP E: Architectural Drafter – Training includes preparing advanced architectural drawings and basic building utility drawings.

* Jewelry Making & Repair	
Course #	8745501-06
Grade Level	9-12
Length	1-4 years
Prerequisite	Must be taken in order
Credit	1-6
<p>This program offers a broad foundation of knowledge and skills to prepare students for employment and/or specialized training in jewelry occupations. The Jewelry Making and Repair program prepares students for employment as Clock, Watch and Jewelry Technician Assistants (SOC 49-9064), Jewelry Designers (SOC 51-9071.01).</p>	

Electronic Technology	
Course #	8730010-60
Grade Level	9-12
Length	1-4 years
Prerequisite	Must be taken in order
Credit	1-6
<p>This program offers a broad foundation of knowledge and skills to prepare students for employment in electronic support services positions. The content includes but is not limited to direct current (DC) circuits, alternating current (AC) circuits and analog circuits; solid state and digital devices; microprocessors; use of circuit diagrams and schematics; soldering and chassis assembly techniques; laboratory practices; and technical recording and reporting.</p>	

Marine Service Technology	
Course #	8751010-60
Grade Level	9-12
Length	1-4 years
Prerequisite	Must be taken in order
Credit	1-6
<p>The content in this program includes but is not limited to the following: service, repair and overhaul of four-stroke and two-stroke cycle engines and outboard motors; and service and repair of boating accessories. With regard to the above, course content will include electrical systems, fuel systems, power transfer systems, ignition systems, cooling systems, lubrication systems, drive systems and boat and trailer rigging. The course content should also include training in communication, leadership, human relations and employability skills; and safe, efficient work practices.</p>	

Plumbing Technology	
Course #	8721610-60
Grade Level	9-12
Length	1-4 years
Prerequisite	Must be taken in order
Credit	1-6
<p>The four Occupational Completion Points (OCPs) provide a planned sequence of instruction for this program. Each OCP enables the student to obtain a job as described below, or to continue, exiting as a program completer.</p> <p>OCP A: Helper, Plumber, Pipefitter – Includes training in the areas of safety, history of plumbing, use and care of basic plumbing tools, terms used in the plumbing trade, pipes, fittings, materials, and equipment related to the plumbing industry.</p> <p>OCP B: Residential Plumber – Includes training in the area of safety, pipe and fittings, pipe joining methods, valve size and type; and materials and application. Activities include measuring, marking, and cutting different types of pipe, reading and interpreting blueprints and specifications, laying out a job on site underground, installing building drains, laying out a job on site for the first floor, installing hangers and supports, cutting openings in walls and floors, distributing and placing fixtures, testing and inspecting first rough, testing and inspecting second rough.</p> <p>OCP C: Commercial Plumber – Includes training in the areas of safety, trim-out and installing job site fixtures,</p>	

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appliances, and equipment, which include closet flanges, supply stops on water pipes, lavatory, water closets, showers, kitchen sinks, garbage disposal, ice makers, dishwashers, and water heaters. Activities include explaining the basic theory of hot water heating and identifying the equipment and materials needed for the job in accordance with job specifications and plumbing codes.

OCP D: Plumber – Includes training in the areas of safety, troubleshooting and diagnosing plumbing systems, repairing and replacing water service and sanitary lines, water closets, ball cocks, flush valves, floats, lift rods, ball stoppers, and trip levers, repairing water heaters, and repairing and replacing fixture water supply pipes.

Pre-Apprenticeship	
Course #	8000110-60
Grade Level	9-12
Length	1-4 years
Prerequisite	Must be taken in order
Credit	1-6
<p>The purpose of the pre-apprenticeship program is to prepare high school juniors and seniors for entry in an adult construction-related apprenticeship program upon graduation from high school. The program focuses on safety and basic tool skills required for all apprentices. It also gives the students a brief learning experience in the fields of carpentry, masonry, electrical wiring, plumbing, and heating, ventilation and air conditioning (HVAC) to help them decide which trade to go into.</p>	

Public Works Cadet	
Course #	8744010-30 and student must take one of the following Science courses
	2001310 - Earth/Space Science OR
	2001340 - Environmental Science OR
Grade Level	9-12
Length	1-4 years
Prerequisite	Must be taken in order
Credit	1-3
<p>This program consists of a planned sequence of instruction with three Occupational Completion Points (OCPs). Students take a part of this program for employment or to continue, exiting as a program completer. Once employed, the student can work toward certification in the areas of water and wastewater, plant operator, plus voluntary certification in storm water, water distribution, and wastewater collection.</p> <p>OCP A: Content includes training in introduction to Public Works, exploration of careers in water systems, exploration in Public Works, employability skills and computer literacy. Training includes the theory and operation of wastewater systems and plant operations, water distribution systems and plant operations. Skills are also obtained through hands-on training in the area of storm water systems, park maintenance, procurement of a Class "B" commercial driver's license permit and an internship.</p> <p>OCP B: Content includes training in the exploration of careers in Public Works operations, demonstrating people skills as an intern, and procurement of a Class "B" driver's license.</p> <p>OCP C: Content includes training by performing an internship, employability skills, and entrepreneurship studies.</p>	

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Applied Welding Technologies	
Course #	8754510-80
Grade Level	9-12
Length	1-4 years
Prerequisite	Must be taken in order
Credit	1-8
<p>The welding program consists of six Occupation Completion Points (OCPs) which are taught in a planned sequence. It combines theoretical instruction with hands-on laboratory experiences to teach welding and cutting of metal by the oxy-acetylene and electric arc methods, as well as inert gas shielding welding (MIG and TIG). Students also learn metal layout and fabrication techniques, using special hand tools and machines.</p> <p>*After completing all competencies, students may take the AWS certification test. Upon passing, the student earns a certification card from AWS.</p> <p>OCP A: Welder Helper – Content includes oxyfuel gas cutting, basic shop skills, and basic shielded metal arc. Students are taught cutting, bending, drilling, punching and finishing skills as it relates to working with metals.</p> <p>OCP B: Welder, Shielded Metal Arc – Students are taught how to interpret basic elements of a drawing or sketch, fabricate parts from a drawing, identify metals, and arc weld and cut.</p> <p>OCP C: Welder, Gas Metal Arc – Instruction concentrates on set up and operation of gas metal arc welding. Students will be taught how to make groove and fillet welds in overhead, vertical, and horizontal positions.</p> <p>OCP D: Welder, Flux Cored Arc – Content focuses on set up and operation of flux cored arc welding. Students are taught how to make groove welds, in all positions, on plain carbon steel.</p> <p>OCP E: Welder, Gas Tungsten Arc (GTAW) – Students are taught how to perform external inspections and make minor repairs to GTAW equipment and accessories. Techniques for groove and fillet welds on aluminum and stainless steel, and carbon steel are also taught.</p> <p>OCP F: Welder, Pipe – The content of this course includes fabricating and welding pipe joints. Students are taught how to tack and weld carbon steel pipe; repair products of ferrous and non-ferrous metals; and fabricate products from drawings and/or blueprints.</p>	

Industrial Biotechnology These courses must be taken in sequence.

Q ^Biotechnology 1 (.5 science credit and .5 Career and Technical credit)	
Course #	3027010
Grade Level	9-12
Length	1 year
Prerequisite	None
Credit	1
<p>This course provides exploratory experience combining laboratory and real-life applications in the field of biotechnology. The content includes, but is not limited to, the following: the nature of science; matter, energy, chemical processes of cells, organisms; cell molecular structure and function, membranes, DNA, plasmids, reproduction, communication; fundamentals of biochemistry, protein synthesis, germ theory; molecular genetics and biotechnology, restriction digest, DNA analysis, PCR; levels of organization, molecular to organismal, classification, and taxonomy; Interdependence of organisms, humans, and the environment; genetic diversity, selection, adaptations, and changes through time; Bioethics; connection between Biotechnology, agricultural, food, and medicine and careers.</p>	

Q ^Biotechnology 2 (.5 science credit and .5 Career and Technical credit)	
Course #	3027020
Grade Level	9-12
Length	1 year
Prerequisite	Biotechnology 1 in addition to the co-requisite or prerequisite of Biology 1, Honors Biology, or Biology Technology
Credit	1
<p>This course provides exploratory experience combining laboratory and real-life applications in the field of biotechnology. The content includes, but is not limited to, the following: the nature of science; chemical processes in biotechnology, pH, solutions, molarity; cell propagation, growth and cultures for biotechnology; biochemistry, proteins, enzymes, plasmids, recombinants, Blood borne pathogens; genetics and biotechnology, gene selection, transformation, analysis; structure and function of various organisms used as</p>	

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genetic models; interdependence of organisms, humans, and the environment; genetic diversity and selection; connection between Biotechnology, agricultural, food, and medicine and careers; and Bioethics.

Building Trades and Construction Design Technology
These courses must be taken in sequence.

***Building Trades and Construction Design Technology 1-6 (courses 3 and 6 are Practical Arts courses)**

Course #	8722010 - 60
Grade Level	9-12
Length	1-4 years
Prerequisite	Courses must be taken in order
Credit	1-6

The purpose of this program is to develop the competencies essential to the building construction industry. These competencies include skills and knowledge related to safety practices, understanding all aspects of the industry, the use of hand and power tools, employability skills, human relations and leadership skills, related construction theory, communication and computer skills; construction components, materials and hardware, blueprints, specifications, and construction documents, entrepreneurship, building codes and regulations, and CAD drawings and construction documents. In addition, students will be provided with hands on skills in the carpentry, masonry, electrical, plumbing, air conditioning, painting and decorating trades.

Q Biotechnology 3	
Course #	8736030
Grade Level	9-12
Length	1 year
Prerequisite	Biotechnology 2
Credit	1

Biotechnology 3 is a course designed to provide students with intense laboratory and research skills in preparation for continued education and/or entry into the biotechnology industry. Students will build upon the skills attained in Biotechnology I and Biotechnology II as they design and conduct experiments relevant to current biotechnology. A close association with local industry and postsecondary institutions will provide additional opportunities for development and application of biotechnology practices.

Digital Cinema Production
These courses must be taken in sequence.

Digital Cinema Production 1-7	
Course #	8201010 - 70
Grade Level	9-12
Length	1-4 years
Prerequisite	Courses must be taken in order
Credit	1-7

The purpose of this program is to prepare students for initial employment in the Digital Cinema Production field as equipment operation operators, camera assistants, sound equipment operators, editing equipment operators, set builders, grips and lighting equipment operators and Visual Effect Artists. The content should include, but is not be limited to, communication skills; leadership skills; human relations and employability skills; safe and efficient work practices; and preparation to assume responsibility for overall production of digital video activities including: scripts, lighting, camera operation, electronic news gathering, field/studio production, and video editing.

Manufacturing Cooperative Education OJT

Course #	9200420
Grade Level	9-12
Length	1 semester
Prerequisite	Each student job placement must be related to the job preparatory program in which the student is enrolled or has completed.
Credit	Multiple

The purpose of this course is to provide the on-the-job training component when the cooperative method of instruction is appropriate. Whenever the cooperative method is offered, the following is required for each student: a training agreement; a training plan signed by the student, teacher and employer, including instructional objectives; a list of on-the-job and in-school learning experiences; a workstation which reflects equipment, skills and tasks which are relevant to the occupation which the student has chosen as a career goal; and a site supervisor with a working knowledge of

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the selected occupation. The workstation may be in an industry setting or in a virtual learning environment. The student must be compensated for work performed.

Manufacturing Directed Study	
Course #	9201000
Grade Level	11-12
Length	1 year
Prerequisite	May be taken only by a student who has completed or is currently completing a specific secondary job preparatory program additional study in this career cluster
Credit	Multiple

The purpose of this course is to provide students with learning opportunities in a prescribed program of study within the field of Arts, A/V Technology and Communication that will enhance opportunities for employment in the career field chosen by the student.

Architecture and Construction Cooperative Education - OJT	
Course #	87004001,2
PTEC Course #	Clw/St Pete I469999
Grade Level	11-12
Length	1-2 years
Prerequisite	Concurrent enrollment in an Industrial Education course, and instructor's approval
Credit	2 Credits per year

The purpose of this course is to provide occupational training in an employment setting. This course may be taken by a student for one or more semesters. A student may earn up to two Credits per year in this course. The specific student performance standards which the student must achieve to earn Credit must be listed on the OJT training plan.

Architecture and Construction Education Directed Study	
Course #	87001000
Grade Level	11-12
Length	Varies
Prerequisite	May be taken only after completing specific secondary Industrial Education course
Credit	Multiple Credits

The purpose of this course is to provide students with additional experiences in an Industrial Education course that will enhance their opportunities for employment in the occupation chosen by the student.

Arts, A/V Technology and Communication Directed Study	
Course #	8200400
Grade Level	9-12
Length	1 year
Prerequisite	May be taken only by a student who has completed or is currently completing a specific secondary job preparatory program additional study in this career cluster
Credit	Multiple

The purpose of this course is to provide students with learning opportunities in a prescribed program of study within the field of Arts, A/V Technology and Communication that will enhance opportunities for employment in the career field chosen by the student.

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Arts, A/V Technology and Communication Cooperative Education OJT	
Course #	8200430
Grade Level	9-12
Length	1 semester
Prerequisite	Each student job placement must be related to the job preparatory program in which the student is enrolled or has completed.
Credit	Multiple
<p>The purpose of this course is to provide the on-the-job training component when the cooperative method of instruction is appropriate. Whenever the cooperative method is offered, the following is required for each student: a training agreement; a training plan signed by the student, teacher and employer, including instructional objectives; a list of on-the-job and in-school learning experiences; a workstation which reflects equipment, skills and tasks which are relevant to the occupation which the student has chosen as a career goal; and a site supervisor with a working knowledge of the selected occupation. The workstation may be in an industry setting or in a virtual learning environment. The student must be compensated for work performed.</p>	

Explanation of Symbols	
Symbol	Explanation
*	Practical Arts Courses meet the Fine Arts High School Graduation Requirement for students who entered their first year of high school in the 2007-2008 school year and subsequent years due to the statutory changes in the revised high school graduation section of the statute.
^	(.5 science credit and .5 Career and Technical credit)

2013-2014 JUNIOR RESERVE OFFICERS' TRAINING CORPS (JROTC)

Junior Reserve Officers' Training Corps (JROTC) Leadership Skill Development program is a cooperative effort on the part of the United States Armed Forces and the Pinellas County Schools to provide high school students opportunities for total development. The JROTC learning experience is intended to be useful to students in any future career, military or civilian. Satisfactory completion of the program (a minimum of two credits) can also lead to advance placement credit in Senior ROTC or advanced rank in the military. Cadets incur no military obligation by participating in JROTC. Uniforms, books, and training aids are furnished at no cost to the student. Some of the desired learning outcomes for JROTC are as follows:

•	Appreciation of the ethical values and principles that underlie good citizenship which include integrity, responsibility, and respect for constituted authority.
•	Development of leadership potential with the ability to live and work cooperatively with others.
•	Ability to think logically and to communicate effectively both orally and in writing.
•	Appreciation of the importance of physical fitness in maintaining good health.
•	Development of self-discipline pride and self-esteem.
•	Performance of basic military skills which will be of benefit to the cadet and of value in both civilian and military endeavors.

Army

Leadership Education and Training I	
Course #	18013001,2
Grade Level	9-12
Length	1 year
Prerequisite	None
Credit	1
Topics in this course include the ROTC program and the Army, leadership theory, drill and ceremonies, hygiene and first aid, maps and map reading, techniques of oral communication, and marksmanship and firearm safety. After this course, cadets are	

eligible to attend JROTC Summer Camp at Blanding or the equivalent.

Leadership Education and Training II	
Course #	18013101,2
Grade Level	10-12
Length	1 year
Prerequisite	Leadership Education & Training I
Credit	1
This course expands on the topics covered in Leadership Education and Training I. ROTC opportunities in Senior ROTC, ROTC scholarships and advanced placement, and an orientation for service academy opportunities are covered. After this course, cadets are eligible to attend JROTC Summer Camp at Blanding or the equivalent.	

Leadership Education and Training III	
Course #	18013201,2
Grade Level	11-12
Length	1 year
Prerequisite	Leadership Education & Training II
Credit	1
Cadets in this course will be assigned commander or staff positions. In these positions they will have opportunities to apply the leadership principles learned earlier. After this course, cadets are eligible to attend JROTC Summer Camp at Blanding or the equivalent.	

Leadership Education and Training IV	
Course #	18013301,2
Grade Level	12
Length	1 year
Prerequisite	Leadership Education & Training III
Credit	1
This course is a continuation of Leadership Education and Training III.	

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will be provided a general overview of the Coast Guard and an in-depth study of Coast Guard operations. Field trips are scheduled to the Coast Guard ships and stations to support and enhance classroom presentations.

Coast Guard

Marine Corps

Electricity/Electronics

Course #	18043001,2
Grade Level	9-12
Length	1 year
Prerequisite	None
Credit	1
<p>This course includes an introduction to theory and application of electricity and electronics. Application to the maritime industry is emphasized. Exposure to computers, computer technology and computer applications will be available.</p>	

Leadership Education I

Course #	18033001,2
Grade Level	9
Length	1 year
Prerequisite	1 year
Credit	1
<p>This course introduces the cadet to his/her responsibilities as cadets. The objectives of the program include basic Marine orientation including U.S. Marine heritage, customs and courtesies, the Corps today, Corps history, leadership, military drill, and physical fitness and training. Field trips are scheduled, when possible, to an east coast Marine installation and other military installations to enhance the course of training.</p>	

Marine Technology

Course #	18043101,2
Grade Level	9-12
Length	1 year
Prerequisite	None
Credit	1
<p>This course is intended to expose the students to marine mechanics. Emphasis includes hands-on experiences. The students will be expected to conduct inspections, preventive maintenance and emergency repairs. Field trips and guest speakers are scheduled to support and enhance classroom instruction.</p>	

Leadership Education II

Course #	18033101,2
Grade Level	10
Length	1 year
Prerequisite	Leadership Education I
Credit	1
<p>This course includes performance oriented training, elements of leadership, leadership dynamics, first aid, health, problem solving, physical fitness and the formation of close order and exhibition drill teams. Field trips are scheduled every other year to an east coast military installation.</p>	

Maritime Science I

Course #	18043201,2
Grade Level	9-12
Length	1 year
Prerequisite	None
Credit	1
<p>This course will introduce the cadet to his/her responsibilities as a young adult/cadet. The student</p>	

Leadership Education III

Course #	18033201, 2
Grade Level	11
Length	1 year
Prerequisite	Leadership Education II

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Credit	1
This course includes Marine Corps history, fundamentals of command, citizen responsibilities, advanced marksmanship, physical fitness and training and advanced military drill. Field trips are scheduled every other year to an east coast Marine installation and other military installations to enhance the course of training.	
Leadership Education IV	
Course #	18033301,2
Grade Level	12
Length	1 year
Prerequisite	Leadership Education III
Credit	1
This course includes world ideologies, resolution of conflicts, counseling skills, advanced leadership application, career planning, physical fitness and military drill. Field trips are scheduled every other year to an east coast military installation to enhance training.	

Navy

Naval Science I	
Course #	18023001,2
Grade Level	9-12
Length	1 year
Prerequisite	None
Credit	1
This course introduces the cadet to his/her responsibilities as cadets. The objectives of the program include basic Naval orientation including Naval heritage, customs and courtesies, sea power and the Navy today, Naval history, leadership, military drill, navigation, and seamanship. Field trips are scheduled, when possible, to the Naval ships and stations and other military installations to enhance the course of training.	

Naval Science II	
Course #	18023101,2
Grade Level	10-12
Length	1 year


Prerequisite	Naval Science I
Credit	1
This course includes navigation, Naval orientation, seamanship, sea power, Naval history, leadership, oceanography, communication, intelligence, and military drill. Field trips are scheduled, when possible, to the Naval ships and stations and other military installations to enhance the course of training.	

Naval Science III	
Course #	18023201,2
Grade Level	11-12
Length	1 year
Prerequisite	Naval Science II
Credit	1
This course includes Naval history, leadership, navigation, shipboard indoctrination, meteor-ology and weather, astronomy, electricity and Naval electronics, survival, and military drill. Field trips are scheduled, when possible, to the Naval ships and stations and other military installations to enhance the course of training.	


Naval Science IV	
Course #	18023301,2
Grade Level	12
Length	1 year
Prerequisite	Naval Science III
Credit	1
This course includes leadership, career planning, international law, seamanship, shipboard indoctrination, Naval research and development, Naval history and military drill. Field trips are scheduled, when possible, to the Naval ships and stations and other military installations to enhance the course of training.	


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 EXCELLENCE IN ONLINE LEARNING	
* English I	
Course #	10013101,2
Grade Level	9
Length	1 year
Prerequisite	M/J Language Arts 3 (any level)
Credit	1
English I focuses on the study of literature, language, and composition. Emphasis is placed on developing an understanding of literary genres, terms, and elements, and on using the writing process to produce various types of papers. Speaking and listening skills, vocabulary skills, study skills, and reference skills are also included.	

* English I + Reading Intervention	
Course #	1001310R
Grade Level	9
Length	1 year
Prerequisite	M/J Language Arts 3 (any level)
Credit	1
English I Plus Reading Intervention (or English I RI) focuses on the study of literature, language, and composition. Emphasis is placed on reading skills and strategies as well as practice with informational passages. Emphasis is also placed on developing an understanding of literary genres, terms, and elements, and on using the writing process to produce various types of papers. Speaking and listening skills, vocabulary skills, study skills, and reference skills are also included. This class will serve as the required reading course for FCAT Level 2 students scoring at or above a 300 scale score if the teacher has completed the state's CAR PD training.	


 EXCELLENCE IN ONLINE LEARNING	
Q * English Honors I	
Course #	10013201,2
Grade Level	9
Length	1 year
Prerequisite	M/J Language Arts 3A or M/J Language Arts 3
Credit	1
This course focuses on the advanced study of literature, language, and composition. Emphasis is placed on developing an understanding of literary genres, terms, and elements and on using the writing process to produce various types of papers. Advanced speaking and listening skills, vocabulary skills, study skills, and reference skills are also included.	
Honors courses cover essentially the same topics and skills as regular classes but at higher levels of complexity, greater depth, and a faster pace. The reading level is higher and more reading will be required. Students will be required to use a higher level of vocabulary, do more writing, do more homework, and meet the standards of more challenging tests. Honors courses are recommended for students with either an average English grade of at least a C or enrollment in AVID.	


 EXCELLENCE IN ONLINE LEARNING	
* English II	
Course #	10013401,2
Grade Level	9-10
Length	1 year
Prerequisite	English I (any level)
Credit	1
English II focuses on the study of literature, language, and composition. Emphasis is placed on developing an understanding of literary elements, devices, and themes and on using the writing process to produce specified types of papers. Speaking and listening skills, vocabulary skills, study skills, reference skills, and a study of mass media are also included.	



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* English II + Reading Intervention	
Course #	1001340R
Grade Level	10
Length	1 year
Prerequisite	English I (any level)
Credit	1
<p>English II Plus Reading Intervention (or English II RI) focuses on the study of literature, language, and composition. Emphasis is placed on reading skills and strategies as well as practice with informational passages. Emphasis is also placed on developing an understanding of literary genres, terms, and elements, and on using the writing process to produce various types of papers. Speaking and listening skills, vocabulary skills, study skills, and reference skills are also included. This class will serve as the required reading course for FCAT Level 2 students scoring at or above a 300 scale score if the teacher has completed the state's CAR PD training.</p>	

 EXCELLENCE IN ONLINE LEARNING	
* English III	
Course #	10013701,2
Grade Level	10-11
Length	1 year
Prerequisite	English II (any level)
Credit	1
<p>This course focuses on the study of literature, language, and composition. Emphasis is placed on developing an understanding of major authors, periods, features, and themes of American literature and on using the writing process to produce specified types of papers, including literary analysis, the persuasive essay, and the brief research paper. Speaking and listening skills, vocabulary development, study skills, and reference skills are also included.</p>	


 EXCELLENCE IN ONLINE LEARNING	
Q * English Honors II	
Course #	10013501,2
Grade Level	9-10
Length	1 year
Prerequisite	English Honors I or English I
Credit	1
<p>This course focuses on the advanced study of literature, language, and composition. Emphasis is placed on developing an understanding of literary elements, devices, and themes and on using the writing process to produce specified types of essays. Advanced speaking and listening skills, vocabulary skills, study skills, reference skills, a study of mass media, and practical writing are also included.</p> <p>Honors courses cover essentially the same topics and skills as regular classes but at higher levels of complexity, greater depth, and a faster pace. The reading level is higher and more reading will be required. Students will be required to use a higher level of vocabulary, do more writing, do more homework, and meet the standards of more challenging tests. Honors courses are recommended for students with either an average English grade of at least a C or enrollment in AVID.</p>	

 EXCELLENCE IN ONLINE LEARNING	
Q * English Honors III	
Course #	10013801,2
Grade Level	10-11
Length	1 year
Prerequisite	English Honors II or English II
Credit	1
<p>This course focuses on the advanced study of literature, language, and composition. Emphasis is placed on developing an understanding of the major authors, periods, features, and themes of American literature and on using the writing process to produce specified types of papers, including literary analysis, the persuasive essay, and the brief research paper. Advanced speaking and listening skills, vocabulary development, study skills, and reference skills are also included.</p> <p>Honors courses cover essentially the same topics and skills as regular classes but at higher levels of complexity, greater depth, and a faster pace. The reading level is higher and more reading will be required. Students will be required to use a higher level of vocabulary, do more writing, do more homework, and meet the standards of more challenging tests. Honors courses are recommended for students with either an average English grade of at least a C or enrollment in AVID.</p>	
 EXCELLENCE IN ONLINE LEARNING	

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* English IV	
Course #	10014001,2
Grade Level	11-12
Length	1 year
Prerequisite	English III (any level)
Credit	1
<p>This course focuses on the study of literature, language, and composition. Emphasis is placed on developing an understanding of the major authors and periods of British and world literature and on using the writing process to produce specified types of papers, including literary analysis, the persuasive essay, and the research paper. Speaking and listening skills, vocabulary development, reference and study skills, and the history of the English language are also included.</p>	

	
Q * English Honors IV	
Course #	10014101,2
Grade Level	11-12
Length	1 year
Prerequisite	English Honors III or English III
Credit	1
<p>This course focuses on the advanced study of literature, language, and composition. Emphasis is placed on developing an understanding of the major authors and periods of British and world literature and on using the writing process to produce specified types of papers, including literary analysis, the argumentative essay, and the research paper. Advanced speaking and listening skills, vocabulary development, reference and study skills, and the history of the English language are also included.</p>	
<p>Honors courses cover essentially the same topics and skills as regular classes but at higher levels of complexity, greater depth, and a faster pace. The reading level is higher and more reading will be required. Students will be required to use a higher level of vocabulary, do more writing, do more homework, and meet the standards of more challenging tests. Honors courses are recommended for students with either an average English grade of at least a C or enrollment in AVID.</p>	

Q*Advanced Placement English: Language and Composition	
Course #	10014201,2
Grade Level	11, 12 (in some cases, grade 10)
Length	1 year
Prerequisite	English Honors II
Credit	1
<p>The purpose of the AP English Language and Composition course is to enable students to read complex texts with understanding and to write prose of sufficient richness and complexity to communicate effectively with mature readers. AP English Language and Composition engages students in becoming skilled readers of prose written in a variety of rhetorical contexts and in becoming skilled writers who compose for a variety of purposes. Both their writing and their reading should make students aware of the interactions among a writer's purposes, audience expectations, and subjects, as well as the way genre conventions and the resources of language contribute to effectiveness in writing. As well as engaging in varied writing tasks, students become acquainted with a wide variety of prose styles from many disciplines and historical periods and gain understanding of the connections between writing and interpretive skill in reading.</p>	
<p>AP Language and Composition may take the place of the English III (or other appropriate) requirement. AP courses involve higher levels of complexity, greater depth, and more reading and writing than traditional courses. AP courses are recommended for students with either an average English grade of at least a C or enrollment in AVID. Students are required to take the Advanced Placement examination.</p>	

Q * Advanced Placement English: Literature and Composition	
Course #	10014301,2
Grade Level	12 (in some cases, grade 11)
Length	1 year
Prerequisite	English Honors III or AP English Language and Composition
Credit	1
<p>AP English Literature and Composition engages students in the careful reading and critical analysis of imaginative literature. Through the close reading of</p>	

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selected texts, students deepen their understanding of the ways writers use language to provide both meaning and pleasure for their readers. As they read, students consider a work's structure, style and themes, as well as such smaller-scale elements as the use of figurative language, imagery, symbolism and tone. Reading in an AP course is both wide and deep. This reading necessarily builds upon and complements the reading done in previous English courses so that by the

time students complete their AP course, they will have read works from several genres and periods — from the 16th to the 21st century. Writing is an integral part of the AP English Literature and Composition course and exam. Writing assignments focus on the critical analysis of literature and include expository, analytical and argumentative essays.

*AP Literature and Composition may take the place of the English IV (or other appropriate) requirement. AP courses involve higher levels of complexity, greater depth, and more reading and writing than traditional courses. AP courses are recommended for students with either an average English grade of at least a C or enrollment in AVID. **Students are required to take the Advanced Placement examination.***

*English IV: Florida College Prep

Course # 10014050


Grade Level 12

Length 1 Year

Prerequisite English III (any level)

Credit 1

All students who do not score "college ready" on a college placement test and score a Level 2 or Level 3 on the FCAT Reading test are required to take English IV: Florida College Prep during their 12th grade year. The purpose of this course is to prepare 12th grade students for the demands of college level reading and writing. Students will read, analyze, evaluate, and respond to various kinds of texts. Students will write effective arguments, explanatory pieces, narrative pieces, and research pieces. Students will collaborate, present research, and use the conventions of standard English grammar and usage appropriately in writing and speaking. Students will increase their vocabularies and read and write widely.

 EXCELLENCE IN ONLINE LEARNING	
Creative Writing I	
Course #	10093200
Grade Level	9-12
Length	1 semester
Prerequisite	None
Credit	1/2
<p>The purpose of this course is to develop skills in writing through the study of literary forms. Emphasis is placed on using all aspects of the writing process to produce publishable pieces of writing in various literary forms. Students will evaluate representative examples of literature as models for writing.</p>	

Creative Writing II	
Course #	100933001,2
Grade Level	9-12
Length	1 semester
Prerequisite	Creative Writing I
Credit	1/2
<p>The purpose of this course is to extend the development of the writing and language skills needed for individual expression in literary forms as introduced in Creative Writing I. Emphasis is placed on writing a variety of literary works, including original poetry, short stories, plays, novels and/or essays, and nonfiction. Also included are the technical aspects of publishing students' work in literary publications.</p>	

Q Creative Writing III	
Course #	10093310
Grade Level	9-12
Length	1 semester
Prerequisite	Creative Writing II
Credit	1/2
<p>The purpose of this course is to extend the development of the writing and language skills needed for individual expression in Creative Writing II. Emphasis is placed on writing a variety of literary works, including original poetry, short stories, plays, novels and/or essays, and nonfiction. Also included are the technical aspects of publishing students' work in literary publications.</p>	

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Q Creative Writing IV	
Course #	10093320
Grade Level	9-12
Length	1 semester
Prerequisite	Creative Writing III
Credit	1/2
<p>The purpose of the course is to have students develop a compilation of works of professional literary merit in the form of a chapbook, essay or short story collection. After successfully completing this course, the student will: 1. Produce a selection of polished poems, stories, or essays. 2. Interact critically with other students engaged in creative writing. 3. Apply critical feedback from evaluators to the revision of personal pieces of writing. 4. Provide critical feedback from the evaluation of professional chapbooks and other collections.</p>	

Writing for College Success	
Course #	1009370
Grade Level	12
Length	1 semester
Prerequisite	None
Credit	1/2
<p>The purpose of this course is to prepare students for entry-level college composition. Major topics include writing effective sentences, using patterns of paragraph development, solving common sentence problems, reading essays, and understanding basic grammar and mechanics.</p>	

Schools must have permission from the Director of High School Education to offer this course.

* Writing I	
Course #	10093001,2
Grade Level	9-12
Length	1 semester
Prerequisite	None
Credit	1/2
<p>The purpose of this course is to develop an organized study of the structure of sentences, paragraphs, and larger pieces, culminating in written assignments that are based on personal experiences, observations, and literature.</p>	
* Writing II	
Course #	10093100
Grade Level	9-12
Length	1 semester
Prerequisite	None
Credit	1/2
<p>The purpose of this course is to extend the development of writing skills introduced in Writing I. The focus should be on refining exposition and introducing analysis and persuasion. Reading should include a variety of literary samples that will serve as models of effective writing styles.</p>	

Mass Media I	
Course #	100634001,2
Grade Level	9-12
Length	1 semester or year
Prerequisite	None
Credit	1
<p>The purpose of this course is to study various types of mass media by analyzing the purposes, content, and techniques of media productions. Emphasis is placed on preparing a media project.</p>	

Mass Media II	
Course #	10063501,2
Grade Level	10-12
Length	1 semester or year
Prerequisite	Mass Media I
Credit	1
<p>The purpose of this course is to appraise various types of mass media by examining their ability to inform, entertain, persuade, and educate. Emphasis is placed on preparing a variety of media projects, presenting projects in class, and evaluating other students' projects.</p>	

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The purpose of this course is to improve oral communication skills through the study of formal and informal speaking situations. Emphasis is placed on making formal speeches and participating in debate activities and formal class discussions. Oral interpretation is also included.

Q Mass Media III	
Course #	10063601,2
Grade Level	10-12
Length	1 semester or year
Prerequisite	Mass Media II
Credit	1
The purpose of this course is to produce, evaluate, and analyze a variety of mass media presentations. Print, audio, and video products will be included.	

** Speech III	
Course #	10073201,2
Grade Level	9-12
Length	1 semester or year
Prerequisite	Speech II
Credit	1
The purpose of this course is to utilize advanced oral communication skills, including verbal and nonverbal techniques in formal and extemporaneous speeches. Emphasis is placed on argumentation and persuasion.	

Q Mass Media IV	
Course #	10063701,2
Grade Level	11-12
Length	1 semester or year
Prerequisite	Mass Media III
Credit	1
The purpose of this course is to produce, evaluate, and analyze a variety of original mass media projects, both print and nonprint.	

** Debate I	
Course #	10073301,2
Grade Level	10-12
Length	1 semester or year
Prerequisite	None
Credit	1
The purpose of this course is to develop debate skills through the study of fundamental concepts of argumentation and problem solving and through the presentation of informative, persuasive, and argumentative speeches. Emphasis is placed on critical thinking and research skills. Students will participate in debate activities.	

** Speech I	
Course #	10073001,2
Grade Level	9-12
Length	1 semester or year
Prerequisite	None
Credit	1
The purpose of this course is to develop oral communication skills in formal and informal speaking situations. Emphasis is placed on using public speaking skills, listening skills, and group discussion techniques. Students will analyze audiences for speaking purposes and will evaluate speeches and speaking techniques.	

** Debate II	
Course #	10073401,2
Grade Level	10-12
Length	1 semester or year
Prerequisite	Debate I
Credit	1
The purpose of this course is to improve argumentation and debate skills. Emphasis is placed on greater proficiency in critical thinking and research skills. Students will evaluate debates and debate techniques, and they will participate in various kinds of debate activities.	

** Speech II	
Course #	10073101,2
Grade Level	9-12
Length	1 semester or year
Prerequisite	Speech I
Credit	1

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Q** Debate III	
Course #	10073501,2
Grade Level	10-12
Length	1 semester or year
Prerequisite	Debate II
Credit	1
<p>The purpose of this course is to enable students to develop intermediate-level skills and techniques for use in debate and forensic activities. Emphasis is placed on critical thinking, research, logic, techniques of public speaking, and analysis of debates. Students will participate in various kinds of debate activities.</p>	

Journalism II (Newspaper or Yearbook)	
Course #	10063101,2
Grade Level	9-12
Length	1 semester or year
Prerequisite	Journalism I
Credit	1
<p>The purpose of this course is to develop writing skills through practice in journalistic writing. Emphasis is placed on gathering information, writing articles, and exploring career opportunities in journalism. Students prepare materials for publication.</p>	

Q** Debate IV	
Course #	10073601,2
Grade Level	10-12
Length	1 semester or year
Prerequisite	Debate III
Credit	1
<p>The purpose of this course is to enable students to develop advanced skills and techniques for use in debate and forensic activities. Emphasis is placed on critical thinking, research, logic, techniques of public speaking, analysis of debate, and timing and judging techniques. Students will participate in various kinds of debate activities.</p>	

Q Journalism III (Newspaper, Yearbook or Literary Magazine)	
Course #	10063201,2
Grade Level	10-12
Length	1 semester or year
Prerequisite	Journalism II
Credit	1
<p>The purpose of this course is to improve writing and production skills related to journalistic media. Emphasis is placed on writing in a variety of styles. Students apply organizational and managerial skills in the production of various publications.</p>	

	
** Journalism I (Newspaper or Yearbook)	
Course #	10063001,2
Grade Level	9-12
Length	1 semester or year
Prerequisite	None
Credit	1
<p>The purpose of this course is to provide instruction in basic aspects of journalism and workshop experiences in journalistic production. Emphasis is placed on identifying and describing elements of the history and traditions of journalism as well as organizing and utilizing appropriate production modes.</p>	

Q Journalism IV (Newspaper, Yearbook or Literary Magazine)	
Course #	10063301,2
Grade Level	10-12
Length	1 semester or year
Prerequisite	Journalism III
Credit	1
<p>The purpose of this course is to refine writing and production skills related to journalistic media. Emphasis is placed on writing, graphic design, and/or photographic techniques. Students practice managerial skills in journalistic contexts.</p>	

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Q Journalism V (Newspaper, Yearbook or Literary Magazine)	
Course #	10063311,2
Grade Level	10-12
Length	1 semester or year
Prerequisite	Journalism IV
Credit	1
The purpose of this course is to refine writing and production skills related to journalistic media. Emphasis is placed on writing, graphic design, and/or photographic techniques. Students practice managerial skills in journalistic contexts.	

Q Journalism VIII (Newspaper, Yearbook or Literary Magazine)	
Course #	10063341,2
Grade Level	10-12
Length	1 semester or year
Prerequisite	Journalism VII
Credit	1
The purpose of this course is to refine writing and production skills related to journalistic media. Emphasis is placed on writing, graphic design, and/or photographic techniques. Students practice managerial skills in journalistic contexts.	

Q Journalism VI (Newspaper, Yearbook or Literary Magazine)	
Course #	10063321,2
Grade Level	10-12
Length	1 semester or year
Prerequisite	Journalism V
Credit	1
The purpose of this course is to refine writing and production skills related to journalistic media. Emphasis is placed on writing, graphic design, and/or photographic techniques. Students practice managerial skills in journalistic contexts.	

Q Literature and the Arts I	
Course #	10053501,2
Grade Level	11-12
Length	1 semester
Prerequisite	None
Credit	1/2
The purpose of this course is to give students the opportunity to examine literature from mankind's early times to the modern era, covering the Classical Age, the Medieval Period, and the Renaissance, the Baroque, the nineteenth century, and the modern period. Emphasis is placed on the study of literature. Also included is a study of the relationship between literature and other arts such as music, visual arts, and philosophy.	

Q Journalism VII (Newspaper, Yearbook or Literary Magazine)	
Course #	10063331,2
Grade Level	10-12
Length	1 semester or year
Prerequisite	Journalism VI
Credit	1
The purpose of this course is to refine writing and production skills related to journalistic media. Emphasis is placed on writing, graphic design, and/or photographic techniques. Students practice managerial skills in journalistic contexts.	

Q Literature and the Arts II	
Course #	10053601,2
Grade Level	11-12
Length	1 semester
Prerequisite	None
Credit	1/2
The purpose of this course is to give students the opportunity to examine literature from post-Renaissance to the modern era, covering at least the Baroque, the nineteenth century, and the modern period. Emphasis is placed on the study of literature.	

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Also included is a study of the relationship between literature and other arts such as music, visual arts, and philosophy.

entering ninth grade class. (see district policy 5.15 (5) (2))
Note: Students **not** enrolled in the 2011-2012 entering ninth grade class may **not** receive quality points for these courses.

Q Literature in the Media	
Course #	10053651,2
Grade Level	10-12
Length	1 semester or year
Prerequisite	None
Credit	1
The purpose of this course is to enable students to develop knowledge of the narrative parallels between traditional literary texts and non-traditional texts in such media as film, television, cartoons, graphic novels, advertisements, and commercials. Included will be reading, listening, and viewing skills; the elements of literature and various media forms; and critical and aesthetic responses.	

Intensive Reading: Single Block 9	
Course #	1000410N,O
Note: The M at the end of the course number indicates that this session involves remediation by a trained instructor in the Linda Mood-Bell reading program. 1000410M -Linda Mood-Bell	
Grade Level	9
Length	1 year
Prerequisite	None
Credit	1
The purpose of this course is to help students reading below FCAT Level 3 improve their reading skills. Emphasis is placed on expanding vocabulary, and reading with enhanced fluency and comprehension.	

Q Semantics and Logic Honors	
Course #	10043000
Grade Level	10-12
Length	1 semester
Prerequisite	None
Credit	1/2
The purpose of this course is to provide instruction and practice to prepare for the critical reading and writing sections of the Scholastic Aptitude Test (SAT) for college admission.	

Intensive Reading: Single Block 10	
Course #	1000410T,U
Note: The M at the end of the course number indicates that this session involves remediation by a trained instructor in the Linda Mood-Bell reading program. 1000410M -Linda Mood-Bell	
Grade Level	10
Length	1 year
Prerequisite	None
Credit	1
The purpose of this course is to help students reading below FCAT Level 3 improve their reading skills. Emphasis is placed on expanding vocabulary, and reading with enhanced fluency and comprehension.	

Q *Advanced Reading	
Course #	10083200
Grade Level	10-12
Length	1 semester
Prerequisite	None
Credit	1/2
The purpose of this course is to develop advanced reading skills. Emphasis is placed on comprehension, test-taking skills, vocabulary, and a variety of informational formats.	
<i>*Quality Points approved for the first time in December 2010, for courses already existing in the course code directory, become effective with the 2011-2012</i>	

Intensive Reading: Double Block 9	
Course #	10004101,2
Note: The M at the end of the course number indicates that this session involves remediation by a trained instructor in the Linda Mood-Bell reading program. 1000410M -Linda Mood-Bell	
Grade Level	9
Length	1 year

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Prerequisite	None
Credit	2 credits of 10004101,2 per year
<p>This course requires a 90-minute block for an entire year. This course will adhere strictly to Scholastic's Read 180 model, which involves phonemic awareness, phonics, fluency, comprehension, and vocabulary instruction. This course is designed to help students reading below FCAT Level 2 reach higher levels of reading and writing achievement.</p>	

Intensive Reading: Double Block 10	
Course #	10004103,4
<p>Note: The M at the end of the course number indicates that this session involves remediation by a trained instructor in the Linda Mood-Bell reading program. 1000410M -Linda Mood-Bell</p>	
Grade Level	10
Length	1 semester
Prerequisite	None
Credit	2 credits of 10004103,4 per year
<p>This course requires a 90-minute block for an entire year. This course will adhere strictly to Scholastic's Read 180 model, which involves phonemic awareness, phonics, fluency, comprehension, and vocabulary instruction. This course is designed to help students reading below FCAT Level 2 reach higher levels of reading and writing achievement.</p>	

Reading for College Success	
Course #	1008350
Grade Level	12
Length	1 semester
Prerequisite	None
Credit	1/2
<p>The purpose of this course is to prepare students for entry-level college reading. Major topics include argument, bias, supporting details, fact and opinion, inferences, main ideas, organizational patterns and relationships, purpose and tone, and vocabulary in context.</p>	

Schools must have permission from the Director of High School Education to offer this course.

Intensive Language Arts: Critical Reading	
Course #	10004000
Grade Level	11-12
Length	1 semester
Prerequisite	None
Credit	1/2 elective credit; may earn multiple credits
<p>This course is designed for FCAT retakers who need additional work before retaking the FCAT reading test to meet the graduation requirement.</p>	

SPECIAL COURSES OFFERED ONLY BY MAGNET PROGRAMS

Q Advanced Communications Methodology (PCCA)	
Course #	10014805
Grade Level	10-12
Length	1 year
Prerequisite	None
Credit	1
<p>The purpose of this course is to develop and refine communication and critical thinking skills important for success in college and the work world.</p>	

Screenplay Writing (PCCA)	
Course #	10093405
Grade Level	10-12
Length	1 year
Prerequisite	None
Credit	1
<p>The purpose of this course is to prepare students to write original screenplays for both television and film. Oral and written assessments emphasize the ability to analyze critically and determine how the writer of a screenplay communicates original ideas. This course will emphasize developing original scripts that are producible in a high school television studio, although consideration will also be given to writing for the movie industry.</p>	

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emphasis is narrative technique as it reveals character and theme and as it creates reader response. Also included are the areas of vocabulary, language, and composition.

Q* Pre IB English I (IB)	
Course #	10018005
Grade Level	9
Length	1 year
Prerequisite	Acceptance into IB
Credit	1
<p>This PIB English course marks the beginning of a serious study of literature as text: analysis of dramatic, poetic, and narrative text as it reveals character and theme and as it creates reader response. Also included are the study of logical and critical modes of composition, the use of research skills, and the study of advanced vocabulary for college-bound students.</p>	

Q* IB English IV (IB)	
Course #	10018305
Grade Level	12
Length	1 year
Prerequisite	PIB English III
Credit	Credits (Higher Level)
<p>This IB English course continues literary study and includes written and oral assignments to prepare students for the IB examination. Central to the course are critical analysis and independent thinking through the study of literature as text. The major area of emphasis is narrative technique as it reveals character and theme and as it creates reader response. Also included are the areas of vocabulary, language, and composition.</p>	

Q* Pre IB English II (IB)	
Course #	10018105
Grade Level	10
Length	1 year
Prerequisite	Acceptance into IB
Credit	1
<p>This PIB English course continues the beginning of a serious study of literature as text: analysis of dramatic, poetic, and narrative text as it reveals character and theme and as it creates reader response. Also included are the study of logical and critical modes of composition, the use of research skills, and the study of advanced vocabulary for college-bound students.</p>	

SPECIAL COURSES OFFERED ONLY by the Cambridge University
MAGNET PROGRAMS at
Clearwater, Dixie Hollins, and
Tarpon Springs High Schools

Q* IB English III (IB)	
Course #	10018205
Grade Level	11
Length	1 year
Prerequisite	PIB English II
Credit	1 Credits (Subsidiary Level)
<p>This IB English course stresses literary study and includes written and oral assignments to prepare students for the IB examination. Central to the course are critical analysis and independent thinking through the study of literature as text. The major area of</p>	

Q* Pre-AICE English Language	
Course #	10015600
Grade Level	9
Length	1 year
Prerequisite	Acceptance into Pre-AICE
Credit	1
<p>Students learn how to employ a wide-ranging vocabulary, use correct grammar, spelling and punctuation, and develop a personal style and an awareness of the audience being addressed. Students are also encouraged to read widely, both for their own enjoyment and to further their awareness of the ways in which English can be used. This course also develops more general analysis and communication skills such as synthesis, inference, and the ability to order facts and present opinions effectively.</p>	

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Q* Pre-AICE English Literature	
Course #	1005380
Grade Level	9-10
Length	1 year
Prerequisite	Acceptance into PRE-AICE
Credit	1
<p>The syllabus enables students to read, interpret and evaluate texts through the study of literature in English. They develop an understanding of literal meaning, relevant contexts and of the deeper themes or attitudes that may be expressed. Through their studies, students learn to recognize and appreciate the ways in which writers use English to achieve a range of effects, and will be able to present an informed, personal response to the material they have studied. The syllabus also encourages the exploration of wider and universal issues, promoting students' better understanding of themselves and of the world around them.</p>	

Q* AICE General Paper	
Course #	1009360
Grade Level	9-12
Length	1 year
Prerequisite	Acceptance into PRE-AICE
Credit	1
<p>The AS General Paper is multi-disciplinary, its subject matter drawn from across the curriculum. The syllabus encourages in candidates the ability to make cross-curricular links; to develop a maturity of thought appropriate to students at this level; and to achieve an understanding and usage of the English language which enables them to express arguments, ideas and opinions in a reflective and academic manner.</p>	

Q AICE English Language AS	
Course #	1001550
Grade Level	11-12
Length	1 year
Prerequisite	Acceptance Into AICE

Credit	1.0
<p>The purpose of this course is to provide students with an understanding of the semantic, structural, and rhetorical resources of the English language as they relate to the principles of effective writing. The course also provides a variety of writing opportunities calling for the use of different styles and tones.</p>	
Q AICE Think SKLS 2 AL	
Course #	1700374
Grade Level	11-12
Length	1 year
Prerequisite	Acceptance Into AICE
Credit	1.0
<p>Thinking Skills develops a specific set of intellectual skills, independent of subject content, reflecting the need voiced by universities and employers for more mature and sophisticated ways of thinking. The Thinking Skills syllabus also enables students to approach their other subjects with an improved ability to understand, analyze and resolve problems. As a result, students will find the course of great benefit when preparing for higher education and for a wide range of careers, including law, scientific research, social science, journalism, medicine, business, accounting and engineering. The Thinking Skills syllabus encourages free and open debate, critical and investigative thinking, and informed and disciplined reasoning.</p>	

Explanation of Symbols	
Symbol	Explanation
*	Course meets English graduation requirement.
**	Practical Arts Courses meet the Arts High School Graduation Requirement for students who entered their first year of high school in the 2007-2008 school year and subsequent years due to the statutory changes in the revised high school graduation section of the statute.
	The Pinellas County School (PCS) virtual symbol indicates this course is available in a Pinellas County School virtual learning environment.

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	<p>All Pinellas County School Virtual School (PVS) courses are aligned with the Next Generation Sunshine State Standards (NGSSS) and in the Board approved MS and HS Course Code Directories.</p>
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2013-2014 LEADERSHIP COURSES

Leadership Skills Development & Techniques	
Course #	24003001, 2
Grade Level	9-12
Length	1 year
Prerequisite	None
Credit	1
<p>The purpose of this course is to teach leadership skills, parliamentary procedure, problem solving/decision making, communication skills, group dynamics, time and stress management, public speaking, human relations, public relations, team building and other group processes.</p>	
<p>This course is intended for use by the JROTC, Leadership Conservatory for the Arts, ExCEL, and for students in The Early College programs.</p>	

Leadership Techniques	
Course #	24003101, 2
Grade Level	9-12
Length	1 year
Prerequisite	None
Credit	1
<p>This course will provide an in-depth study of the leadership techniques of decision making, problem solving, meeting skills, communication, group conflict reduction, time and stress management, evaluation, team building, group dynamics, motivational strategy, and the role of leadership in a democratic society.</p>	
<p>This course is intended for use by the JROTC, Leadership Conservatory for the Arts, ExCEL, and for students in The Early College programs.</p>	

2013-2014 MARKETING EDUCATION COURSES

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FINANCE PROGRAM (8815100)

Financial and Business Technology (or IIT- 8207310)	
Course #	8815150,0
Grade Level	9-10
Length	1 year
Prerequisite	None
Credit	1
<p>This course is designed to provide a basic overview of current business, finance and information systems and trends and to introduce students to the basics and foundations required for today's business environments. Emphasis is placed on developing proficiency with fundamental computer applications, so that they may be used as communication tools for enhancing personal and work place proficiency in an information-based society. This also includes proficiency with computers using databases, spreadsheets, presentation applications, financial and tax software applications and integration of these programs using software that meets industry standards.</p>	

Accounting Applications 1	
Course #	8203310,0
Grade Level	10-12
Length	1 year
Prerequisite	Financial and Business Technology
Credit	1
<p>This course emphasizes double-entry accounting; methods and principles of recording business transactions; the preparation of various documents used in recording income, expenses, acquisition of assets, incurrence of liabilities, and changes in equity; and the preparation of financial statements. The use of computers is required.</p>	

Q Personal Financial Planning	
Course #	8815120,0
Grade Level	11-12
Length	1 year
Prerequisite	Financial and Business Technology, Accounting Applications 1, Financial Operations
Credit	1
<p>This course develops an awareness of the need for care and organization in planning for the wise use of economic resources and financial products available through a study of savings, credit, insurance, investing, banking, and financial goals. The students are provided with the concepts needed to understand international trade. The students are also made aware of the career opportunities offered by lending institutions.</p>	

Q Financial Operations	
Course #	8815110,0
Grade Level	10-12
Length	1 year
Prerequisite	Financial and Business Technology or IIT
Credit	1
<p>This course presents basic topics in macro and microeconomics, and the principles and practices of banking, credit and consumer lending in the United States. Additional emphasis is placed on money, credit and banking, economic growth and stability, taxation and budgeting, labor management relations, and sales. The students become familiar with the major functions of banks and other financial intermediaries, central banking by the Federal Reserve System, and modern trends in the finance industry. The students are also introduced to credit functions, principles of credit risk evaluation, loan creation, debt collection, and stock and bonds.</p>	

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Financial Internship	
Course #	88151301, 2
Grade Level	10-12
Length	1 year
Prerequisite	None
Credit	1
<p>The financial internship course provides students with authentic learning experiences in which they demonstrate human relations, technology, communications, and career development skills through entry-level employment in the financial services industry. Additionally, it will enhance the instruction and competencies developed through classroom instruction. Through hands-on project management, major tasks outlined in a training plan mentors supervise student learning in specific skill attainment and professional development.</p>	

Prerequisite	Completed or concurrently completing the Finance Program of Study
Credit	1 credit - Multiple credits
<p>The purpose of this course is to provide on-the-job training for students enrolled in the Finance Program. Each student job placement must be related to the Finance Program in which the student is concurrently enrolled or has completed.</p>	

GLOBAL FINANCE PROGRAM (8515300)

Financial and Business Technology	
Course #	8815150,0
Grade Level	9-12
Length	1 year
Prerequisite	None
Credit	1

See course description under Finance Program courses.

Finance Directed Study	
Course #	8501000,0
Grade Level	11-12
Length	1 year
Prerequisite	Completed or currently completing the Finance Program of Study
Credit	1
<p>The purpose of this course is to provide students with learning opportunities in a prescribed program of study within the Finance cluster that will enhance opportunities for employment in the career field chosen by the student. The content is prescribed by the instructor based upon the individual student's assessed needs for directed study. The selected standards and benchmarks, which the student must master to earn credit, must be outlined in an instructional plan developed by the instructor. This course may be taken only by a student who has completed or is currently completing the Finance Program.</p>	

Accounting Applications 1	
Course #	8203310,0
Grade Level	10-12
Length	1 year
Prerequisite	Financial and Business Technology
Credit	1

See course description under Finance Program courses.

Q Managerial Accounting	
Course #	8815160,0
Grade Level	11-12
Length	1 year
Prerequisite	Finance and Business Technology and Accounting Applications 1
Credit	1
<p>Managerial Accounting introduces the fundamentals of management accounting, including manufacturing and cost accounting, budgeting, accounting for managerial decision-making, and financial statement analysis. Students learn how to use accounting information for internal decision-making and planning and control. In addition, students examine career opportunities as an accountant and the education, experience, and skills needed to enter and succeed in the accounting profession. This course gives students</p>	

Finance Cooperative Education OJT	
Course #	8501420,0
Grade Level	11-12
Length	1 year

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the financial acumen necessary to make informed personal and business decisions.

This course includes the study of international marketing, finance, laws and regulations, marketing, communications and transportation.

Q Business in Global Economy	
Course #	8815170,0
Grade Level	11-12
Length	1 year
Prerequisite	Managerial Accounting
Credit	1
<p>This course provides students with an understanding of how and why businesses choose to expand their operations into other countries. This course exposes students to the unique challenges facing multinational organizations—and to the potential opportunities and markets that are lost to organizations that choose not to do business in the global marketplace. Building on concepts that broadens student understanding of how businesses operate and how they grow and thrive in our ever-changing world.</p>	

Q International Marketing 3	
Course #	8839130,0
Grade Level	10-12
Length	1 year
Prerequisite	International Marketing 1 and may be taken concurrently with International Marketing 2.
Credit	1
<p>This course provides instruction for career sustaining level employment in the industry. The content includes applied skills related to international marketing functions including employment skills required for success in international marketing and career planning. Entrepreneurship as related to an international market is also included.</p>	

INTERNATIONAL MARKETING PROGRAM (8839100)

International Marketing 1	
Course #	8839110,0
Grade Level	10-12
Length	1 year
Prerequisite	Marketing Essentials
Credit	1
<p>The purpose of this course is to develop the competencies essential to marketing. Competencies include human relations, employability, communication, math, and economic skills. The fundamentals of marketing and selling are also included.</p>	

International Marketing 2	
Course #	8839120,2
Grade Level	10-12
Length	1 year
Prerequisite	International Marketing 1
Credit	1

MARKETING PROGRAM (8827100)

*Marketing Essentials	
Course #	8827110,2
Grade Level	9-10
Length	1 year
Prerequisite	Recommend Introduction to Information Technology (8207310) or Computing for College and Careers (8209020)
Credit	1
<p>The purpose of this course is to develop the competencies essential to marketing. These competencies include human relations, employability, communication, math, and economic skills. The fundamental of marketing and selling are also included.</p>	

*Marketing Applications	
Course #	8827120,0
Grade Level	10-12

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Length	1 year
Prerequisite	Marketing Essentials (may be taken concurrently)
Credit	1
This course is designed to provide students with an in-depth study of marketing in a free enterprise society and provide the knowledge, skills, and attitudes required for employment in a wide variety of marketing occupations.	

*Marketing Management	
Course #	8827130,0
Grade Level	11-12
Length	1 year
Prerequisite	Marketing Applications (May be taken concurrently)
Credit	1
This course provides instruction for career sustaining level employment in the industry. The content includes applied skills related to the marketing functions including employment skills required for success in marketing and career planning as related to a marketing industry.	

Marketing Cooperative Education OJT	
Course #	8800410,0
Grade Level	11-12
Length	1-2 years
Prerequisite	Concurrent enrollment in a Marketing Education job preparatory program, coordinator's approval, parental permission and 2.0 cumulative GPA.
Credit	Multiple Credits
Marketing Cooperative Education combines marketing education classroom instruction with supervised on-the-job training in a marketing occupation that matches the student's career objective. Students will reinforce their classroom skills while on the job. A student may not be enrolled in Marketing Cooperative Education without concurrent enrollment in a marketing class. The student must be paid for work performed and must be directly supervised.	

Marketing Education Directed Study

Course #	88001001,2
Grade Level	11-12
Length	1 year
Prerequisite	Marketing Management (may be taken concurrently)
Credit	Multiple Credits
The purpose of this course is to provide students with additional competencies or more extensive work-based learning experiences related to competencies in a job preparatory program that will enhance their opportunities for employment in the occupation chosen by the student. The content is prescribed by the instructor based upon the individual student's need for directed study. Research, portfolio development, and field experiences appropriate for the program occurs through career classroom instruction. A work station is provided as appropriate to support the training activities of the student.	

HOSPITALITY AND TOURISM PROGRAM (8845100)

Introduction to Hospitality and Tourism	
Course #	8850110,0
Grade Level	9-12
Length	1 year
Prerequisite	None
Credit	1
The purpose of this course is to introduce students to the skills necessary for success in the hospitality and tourism industry. Students will also have the opportunity to learn hospitality and tourism terminology and the mathematical, economic, marketing, and sales fundamentals of the industry.	

Computer Technology for Travel and Tourism	
Course #	8845140,0
Grade Level	9-12
Length	1 year
Prerequisite	Introduction to Hospitality and Tourism
Credit	1
This course is designed to provide an introduction to computers and to develop entry-level skills for computer-related careers in the travel and tourism industry.	

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Q Travel and Tourism Marketing and Management	
Course #	8845120,0
Grade Level	10-12
Length	1 year
Prerequisite	Computer Technology for Travel and Tourism
Credit	1
The purpose of this course is to provide students necessary career specific instruction in travel and tourism. Students will learn sales techniques, marketing principles, and entrepreneurship skills necessary to succeed in the travel and tourism industry.	
Hospitality and Tourism Internship	
Course #	8845130,0
Grade Level	11-12
Length	1year
Prerequisite	Travel and Tourism Marketing and Mgt.
Credit	Multiple Credits
The travel and tourism internship course provides students the opportunity to demonstrate human relations, communications, and employability skills necessary for entry-level employment in the travel and tourism industry. Additionally, it will enhance the instruction and competencies developed through classroom activities.	

Hospitality and Tourism Directed Study	
Course #	88010001,2
Grade Level	11-12
Length	1 year
Prerequisite	Travel and Tourism Marketing and Mgt.
Credit	Multiple Credits
The purpose of this course is to provide students with learning opportunities in a prescribed program of study within the Hospitality and Tourism cluster(s) that will enhance opportunities for employment in the career field chosen by the student. The content is prescribed by the instructor based upon the individual student's assessed needs for directed study. This course may be taken only by a student who has completed or is currently completing a specific secondary job preparatory program or occupational completion point for additional study in this career	

cluster. A student may earn multiple credits in this course.
The selected standards and benchmarks, which the student must master to earn credit, must be outlined in an instructional plan developed by the instructor.

Hospitality and Tourism Cooperative Education OJT	
Course #	88004201,2
Grade Level	11-12
Length	1 year
Prerequisite	
Credit	Multiple Credits
Hospitality and Tourism Cooperative Education combines classroom instruction with supervised on-the-job training in a hospitality and tourism occupation that matches the student's career objective. Students will reinforce their classroom skills while on the job. A student may not be enrolled in Hospitality and Tourism Cooperative Education without concurrent enrollment in a hospitality and tourism class. The student must be paid for work performed and must be directly supervised.	

Hospitality and Tourism (PTEC Clearwater)	
Course #	8845100/M811040
Grade Level	
Length	
Prerequisite	
Credit	
See course descriptions under the Hospitality and Tourism Program courses.	

SPORT, RECREATION, AND ENTERTAINMENT MARKETING PROGRAM (8827400)

Sport, Recreation, and Entertainment Essentials	
Course #	8827410,0
Grade Level	10-12
Length	1 year
Prerequisite	Recommend Introduction to Information Technology (8207310) or Computing for College and Careers (8209020)
Credit	1

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The purpose of this course is to develop the competencies essential to sport, recreation, and entertainment marketing. These competencies include employability, human relations, communication, math, and economic skills. The fundamentals of sport, recreation, and entertainment marketing and selling are also included.

Length	1 year
Prerequisite	Recommend Introduction to Information Technology (8207310) or Computing for College and Careers (8209020)
Credit	1
This course provides instruction in the basic principles of entrepreneurship including the role of the entrepreneur, entrepreneurship as a career, ethics in business, and the principles of marketing, financing, and managing a business.	

*Sport, Recreation, and Entertainment Applications	
Course #	8827420,0
Grade Level	10-12
Length	1 year
Prerequisite	Sport, Recreation, and Entertainment Essentials
Credit	1
This course is designed to provide students with an in-depth study of sport, recreation, and entertainment marketing in a free enterprise society and provide the knowledge, skills and attitudes required for employment in a wide variety of sport, recreation and entertainment marketing occupations.	

Q Business Management and Law	
Course #	88121201,2
Grade Level	10-12
Length	1 year
Prerequisite	Principles of Entrepreneurship
Credit	1
This course is designed to provide an introduction to business management techniques. Topics include human relations, decision making, communication techniques, business law concepts, and characteristics of the American enterprise system.	

Q Sport, Recreation, and Entertainment Marketing Management	
Course #	8827430,0
Grade Level	10-12
Length	1 year
Prerequisite	Sport Recreation, and Entertainment Applications
Credit	1
This course provides instruction for career sustaining level employment in the sport, recreation, and entertainment industry. The content includes applied skills related to the sport, recreation, and entertainment marketing functions and industries including employment skills required for success in sport, recreation, and entertainment and career planning as related to the sport, recreation and entertainment industry.	

Q*Business Ownership	
Course #	88120001,2
Grade Level	11-12
Length	1 year
Prerequisite	Business Management and Law
Credit	1
The purpose of this course is to prepare students as entrepreneurs, present entrepreneurship as a career path that is worth consideration, provide students with the skills needed to realistically evaluate their potential as a business owner, and develop the fundamental knowledge and skills necessary to start and operate a business.	

ENTREPRENEURSHIP PROGRAM (8812100)

*Principles of Entrepreneurship	
Course #	8812110,0
Grade Level	9-12

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Explanation of Symbols	
Symbol	Explanation
*	Practical Arts Courses meet the Fine Arts High School Graduation Requirement for students who entered their first year of high school in the 2007-2008 school year and subsequent years due to the statutory changes in the revised high school graduation section of the statute.

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Please Note: Since math is a sequential subject, course prerequisites must be satisfied. In many instances, students are scheduled for math courses too early in the school year to determine whether or not they have fulfilled all necessary prerequisites for a math course. If it is determined at a later date that a student has not satisfied all prerequisites for a math course, the student will be rescheduled from that course to a more appropriate one.

 EXCELLENCE IN ONLINE LEARNING	
*Algebra 1 (One-year Algebra Program)	
Course #	12003101,2 EOC
Grade Level	9-12
Length	1 year
Prerequisite	None
Credit	1
The purpose of this course is to provide the foundation for more advanced mathematics courses and to develop the algebra skills needed to solve real-world and mathematical problems. Topics shall include, but not be limited to, sets, ratios, proportions, radical expressions, variables, the real number system, equations and inequalities, graphs, systems of linear equations and inequalities, integral exponents, polynomials, factoring, irrational numbers, quadratic equations, Venn diagrams, coordinate geometry, problem solving strategies, and literacy strategies. Grades are assigned through completion of course work. Credit is received by obtaining an achievement level of 3, 4, or 5 on the Algebra EOC.	

*Algebra 1A (Two-year Algebra Program)	
Course #	12003701,2
Grade Level	9-12
Length	1 year
Prerequisite	None
Credit	1
This course is the first half of the algebraic content for the algebra one program. Topics shall include, but not be limited to, the real number system with emphasis on rational and irrational numbers, sets, variables, algebraic expressions, patterns, relations and functions, solutions to linear equations and inequalities, rates, ratios, proportions, coordinate geometry, graphs, Venn diagrams, real-world	

problems, problem solving strategies, and literacy strategies.	
*Algebra 1B (Two-year Algebra Program)	
Course #	12003801,2 EOC
Grade Level	9-12
Length	1 year
Prerequisite	One full credit in Algebra 1A
Credit	1
This course is the second half of the algebraic content of a two-year algebra program. Topics shall include, but not be limited to, ratios, proportions, radical expressions, algebraic notation, polynomials, factoring, coordinate geometry, graphs, solutions to linear, quadratic, and systems of equations and inequalities, real-world applications, problem solving strategies, and literacy strategies. Algebra 1A and Algebra 1B completes the algebraic content that will be assessed on the Algebra EOC.	

Credit Recovery Courses	
Becomes effective with the 2011-2012 entering ninth and subsequent years.	
Course #	 EXCELLENCE IN ONLINE LEARNING 1200315 Algebra 1 for Credit Recovery ALG 1 CR (EL Credit)
	1200385 Algebra 1-B for Credit Recovery ALG 1-B CR (EL Credit)
Becomes effective with the 2012-2013 entering ninth and subsequent years.	
Course #	 EXCELLENCE IN ONLINE LEARNING 1206315 Geometry for Credit Recovery GEO CR (EL Credit)
	GEO CR (EL Credit)
Grade Level	9-12
Credit	1
Special notes: Credit Recovery courses are credit bearing courses with specific content requirements defined by Next Generation Sunshine State Standards and/or Common Core State Standards. Students enrolled in a Credit Recovery course must have previously attempted the corresponding course (and/or End-of-Course assessment) since the course requirements for the Credit Recovery courses are exactly the same as the previously attempted corresponding course. For example, Geometry (1206310) and Geometry for Credit Recovery (1206315) have identical content requirements. It is important to note that Credit Recovery courses are not bound by Section 1003.436(1) (a), Florida Statutes, requiring a minimum of 135 hours of bona fide instruction (120 hours in a school/district implementing block scheduling) in a designed course of study that contains student performance standards, since the students have previously attempted successful completion of the corresponding course. Additionally, Credit Recovery	

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courses should **ONLY** be used for credit recovery, grade forgiveness, or remediation for students needing to prepare for an End-of-Course assessment retake.

*Informal Geometry	
Course #	12063001,2
Grade Level	9-12
Length	1 year
Prerequisite	None
Credit	1
<p>The purpose of this course is to develop the geometric knowledge that can be used to solve a variety of real-world and mathematical problems. Geometric relationships are developed inductively with hands-on activities. The content of this course is less rigorous than Geometry, course number 1206310, and does not include formal deductive proofs. Topics shall include, but not be limited to, logic, Euclidean Geometry, informal proofs, constructions, lines, polygons, quadrilaterals, triangles, circles, polyhedral, spheres, problem solving strategies and literacy strategies.</p>	
<p>NOTE: <i>This course is not recognized by the State University System as meeting one of the core courses required for freshman admissions.</i></p>	

Q * Geometry Honors	
Course #	12063201,2 EOC
Grade Level	9-12
Length	1 year
Prerequisite	One Algebra 1 credit of level 4 or 5 and a passing grade in Algebra 1 Honors or one full credit in Algebra 1 or Algebra 1 Honors
Credit	1
<p>The purpose of this course is to develop the geometric relationships and deductive strategies that can be used to solve a variety of real world and mathematical problems. Topics shall include, but not be limited to, truth tables, logic, equivalent propositions, Euclidean Geometry, direct and indirect proofs, vectors, Fibonacci sequence, golden ratio, constructions, lines, polygons, transformations, quadrilaterals, triangles, circles, polyhedral, cross sections, spheres, coordinate geometry, trigonometric ratios, problem solving strategies and literacy strategies.</p>	

*Geometry	
Course #	12063101,2 EOC
Grade Level	9-12
Length	1 year
Prerequisite	Completion of the Algebra 1 course or equivalent (See Note) One full credit of the Algebra 1 course or completion of an Algebra 1 or equivalent course with a passing grade.
Credit	1
<p>The purpose of this course is to develop the geometric relationships and deductive strategies that can be used to solve a variety of real world and mathematical problems. Topics shall include, but not be limited to, logic, equivalent propositions, Euclidean Geometry, direct and indirect proofs, constructions, lines, polygons, transformations, quadrilaterals, triangles, circles, polyhedral, spheres, trigonometric ratios, problem solving strategies and literacy strategies.</p>	

*Liberal Arts Mathematics	
Course #	12083001,2
Grade Level	10-12
Length	1 year
Prerequisite	One full credit of Algebra and Geometry
Credit	1
<p>The purpose of this course is to strengthen Algebra 1 skills and to explore informal geometry. State assessment skills will be reinforced. Topics shall include, but not be limited to, laws of exponents, real number properties and operations, graphs, functions, equations and inequalities, quadratic equations, coordinate geometry, polygons, quadrilaterals, triangles, solids, data sets, measures of central tendency, real-world applications, problem solving strategies and literacy strategies. Students may not earn credit in both Liberal Arts Mathematics courses.</p>	

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Note: *This course is not recognized by the State University System as meeting one of the core courses required for freshman admissions.*

circles, real-world applications, problem solving strategies and literacy strategies.

<small>FLORIDA STATE UNIVERSITY</small> <small>EXCELLENCE IN ONLINE LEARNING</small>	
*Algebra 2	
Course #	12003301,2
Grade Level	9-12
Length	1 year
Prerequisite	One credit in Algebra 1 or equivalent
Credit	1
<p>The purpose of this course is to continue the study of the structure of algebra and to apply these skills to fields such as science, social science, statistics, and health-related fields. Topics shall include, but not be limited to, complex numbers, functions, equations and inequalities, rational expressions and equations, absolute value, direct, inverse and joint variation, arithmetic and geometric sequences and series, systems of equations and inequalities, parabolas, quadratic equations, powers, roots, exponents and logarithms, polynomials, problem solving strategies and literacy strategies.</p>	

Math for College Success	
Course #	1200410
Grade Level	12
Length	Semester
Prerequisite	
Credit	0.5
<p>This course is targeted for grade 12 students, whose test scores on the Postsecondary Educational Readiness Test (P.E.R.T.) are below the established cut scores for mathematics, indicating that they are not yet “college ready” in mathematics. This course incorporates the Common Core Standards for Mathematical Practices as well as the following Common Core Standards for Mathematical Content: Expressions and Equations, The Number System, Ratios and Proportional Relationships, Functions, Algebra, Geometry, Number and Quantity, Statistics and Probability, and the Common Core Standards for High School Modeling. The standards align with the Mathematics Postsecondary Readiness Competencies deemed necessary for entry-level college courses.</p>	
<p>Note: <i>This course is required for seniors who do not demonstrate proficiency on the mathematics portion of the Postsecondary Education Readiness Test (PERT) administered during their junior year. Students would be placed in the appropriate course based on their PERT score.</i></p>	

<small>FLORIDA STATE UNIVERSITY</small> <small>EXCELLENCE IN ONLINE LEARNING</small>	
Q * Algebra 2 Honors	
Course #	12003401,2
Grade Level	9-12
Length	1 year
Prerequisite	One full credit in Algebra 1 Honors or one full credit in Algebra 1 and enrollment in AVID
Credit	1
<p>The purpose of this course is to study algebraic topics in-depth with emphasis on theory, proof, and development of formulas and their applications. Topics shall include, but not be limited to, complex numbers, functions, equations and inequalities, absolute value, direct, inverse and joint variation, systems of equations and inequalities, parabolas, quadratic equations, powers, roots, exponents and logarithms, polynomial equations and inequalities, Binomial Theorem, radical expressions, non-linear systems of equations, conic sections, sigma notation, arithmetic and geometric sequences, equations of</p>	


*Advanced Algebra with Financial Applications	
Course #	1200500 0,1,2
Grade Level	10-12
Length	1 year
Prerequisite	One full credit in Algebra 2
Credit	1
<p>The purpose of this course is to develop the algebraic relationship and deductive strategies through financial applications that can be used to solve a variety of real world and mathematical problems. Topics shall include, but not limited to, financial planning, credit management, career explorations, equations, inequalities, linear functions, systems of</p>	

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linear equations and inequalities, quadratic, polynomial, exponential and logarithmic functions, interest, personal and commercial debt, mortgages, stocks, bonds, insurance, credit, taxes and measures of central tendency.

distribution, concepts of descriptive statistics, measures of central tendency, measures of variability, normal distribution, statistical applications including hypotheses testing, real-world applications, problem solving strategies and literacy strategies.

 EXCELLENCE IN ONLINE LEARNING	
*Mathematics for College Readiness	
Course #	12007001,2
Grade Level	12
Length	1 year
Prerequisite	One full credit in Geometry or equivalent
Credit	1
This course is targeted for grade 12 students whose test scores on the Postsecondary Educational Readiness Test are below the established cut scores for mathematics, indicating that they are not yet college ready in mathematics. This course incorporates the Common Core Standards for Mathematical Practices as well as the following Common Core Standards for Mathematical Content: an introduction to functions, linear equations and inequalities, solving systems of equations, rational equations and algebraic fractions, radicals and rational exponents, factoring and quadratic equations, complex numbers, and the Common Core Standards for High School Modeling. The benchmarks reflect the Florida College Competencies necessary for entry-level college courses.	
Note: <i>This course is required for seniors who do not demonstrate proficiency on the mathematics portion of the Postsecondary Education Readiness Test (PERT) administered during their junior year.</i>	


Q*Advanced Placement Statistics	
Course #	12103201,2
Grade Level	11-12
Length	1 year
Prerequisite	One full credit in Algebra 2
Credit	1
The purpose of this course is to provide study in exploratory data, planning a study, anticipating patterns in advance, and statistical inference. Topics shall include, but not be limited to, graphical displays, summaries and comparisons of distributions of univariate data, bivariate data and categorical data, overview methods of data collection, planning and conducting surveys and experiments, anticipating patterns using probability simulation, and confirming models through statistical inference. Credit in this course precludes credit in Probability and Statistics with Applications.	
Note: <i>Students are required to take the Advanced Placement examination.</i>	


Q *Probability and Statistics with Applications	
Course #	12103001,2
Grade Level	11-12
Length	1 year
Prerequisite	One full credit in Algebra 2 or higher
Credit	1
The purpose of this course is to explore the concepts of probability and elementary statistics. Topics shall include, but not be limited to, random experiments, probability concepts, counting principles, permutations, combinations, sample spaces, binomial	


Q*Mathematical Analysis Honors (MATH ANALYSIS HON)	
Course #	1201300
Grade Level	12
Length	1 year
Prerequisite	Credit in Trig/Analytic Geometry, Analysis of Functions, or Pre-Calculus
Credit	1
The purpose of this course is to emphasize the skills necessary for the study of calculus. Topics shall include, but not be limited to, graphs, transformations, systems of equations and inequalities, polynomial functions, exponential and logarithmic functions, the concept and theory of limits, mathematical induction, symbolic logic, matrix algebra, probability and statistics, real-world applications, problem solving strategies and literacy strategies.	


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Q*Analysis of Functions	
Course #	12013101,2
Grade Level	10-12
Length	1 semester
Prerequisite	One full credit in Algebra 2
Credit	1 or 0.5 <i>Analysis of Functions Honors will remain a half or full credit for the 2013-2014 school year and daggered for the 2014-2015 school year and beyond.</i>
<p>The purpose of this course is to analyze the similarities between exponential and logarithmic functions, trigonometric and circular functions, and polynomial functions. Topics shall include, but not be limited to, graphs, relations, functions and their inverses, rational and polynomial equations, exponential and logarithmic functions, trigonometric functions, real-world applications, problem solving strategies and literacy strategies.</p> <p>Note: A student who receives credit for both <i>Trigonometry and Analytic Geometry</i> or <i>Pre-Calculus</i> shall not receive credit for <i>Analysis of Functions</i>.</p>	

	
Q*Trigonometry Honors	
Course #	12113000
Grade Level	10-12
Length	1 semester
Prerequisite	One full credit in Algebra 2
Credit	1/2
<p>The purpose of this course is to study circular and trigonometric functions and their applications. Topics shall include, but not be limited to, vectors, circular functions, trigonometric ratios, equations, functions and identities, polar coordinates, trigonometric form of complex numbers, real-world applications, problem solving strategies and literacy strategies.</p> <p>Note: Students earning credit in <i>Pre-Calculus</i> cannot earn credit in both <i>Trigonometry and Analytic Geometry</i>. The <i>Trigonometry/Analytic Geometry</i> sequences will be phased out with the next textbook adoption.</p>	

	
Q*Analytic Geometry	
Course #	1206330
Grade Level	10-12
Length	1 semester
Prerequisite	Credit in Trigonometry
Credit	1/2
<p>The purpose of this course is to stress the relationship between algebra, geometry, and trigonometry and use this relationship in preparation for calculus. Topics shall include, but not be limited to, polynomial functions and equations, graphs, exponential growth and decay, conic sections, direct and indirect proofs, parametric equations, real-world applications, problem solving strategies, and literacy strategies.</p> <p>Note: Students earning credit in <i>Pre-Calculus</i> cannot earn credit in both <i>Trigonometry and Analytic Geometry</i>. The <i>Trigonometry/Analytic Geometry</i> sequences will be phased out with the next textbook adoption.</p>	

	
Q*Pre-Calculus Honors	
Course #	12023401,2
Grade Level	10-12
Length	1 year
Prerequisite	One full credit in Algebra 2
Credit	1
<p>The purpose of this course is to emphasize the study of functions and other skills necessary for the study of calculus. Topics shall include, but not be limited to, polynomial, rational, trigonometric/circular functions, arithmetic and geometric series, concept of limits, vectors, conic sections, polar coordinate systems, mathematical induction, parametric equations, complex numbers, real-world applications, problem solving strategies and literacy strategies.</p> <p>Note: A student who receives credit for both <i>Trigonometry and Analytic Geometry</i> cannot receive credit for <i>Pre-calculus</i>.</p>	

	
Q*Calculus	
Course #	12023001,2
Grade Level	11-12

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Length	1 year
Prerequisite	Credit in Trigonometry and Analytic Geometry or Pre-Calculus
Credit	1
<p>The purpose of this course is to provide a foundation for the study of advanced mathematics, including elementary functions and techniques of calculus. Topics shall include, but not be limited to, concept of limits, derivatives, anti-derivatives, tangent lines, integration, real-world applications, problem solving strategies and literacy strategies.</p>	

Grade Level	10-12
Length	1 semester
Prerequisite	None
Credit	1/2 Elective Credit
<p>The purpose of this course is to provide instruction and practice to prepare for the mathematics section of the Scholastic Aptitude Test (SAT) for college admission. This course is used to prepare students for the SAT reading, writing, and mathematics test in combination.</p>	
<p>Note: <i>Credit in this course precludes a student from earning credit in Critical Thinking and Study Skills, as outlined in the research section in this document.</i></p>	

Q*Advanced Placement Calculus AB	
Course #	12023101,2
Grade Level	11-12
Length	1 year
Prerequisite	Credit in Trigonometry and Analytic Geometry or Pre-Calculus
Credit	1
<p>The purpose of this course is to provide study of elementary functions and the general theory and techniques of calculus. The content is specified by the Advanced Placement Program.</p>	
<p>Note: <i>Students are required to take the Advanced Placement examination. A student may earn credit in both AP Calculus AB and BC.</i></p>	

SPECIAL COURSES OFFERED ONLY BY IB MAGNET PROGRAMS

Q*IB Trigonometry	
Course #	12118005
Grade Level	10
Length	1 semester
Prerequisite	See IB Counselor
Credit	1/2
<p>The purpose of this course is to study circular and trigonometric functions and their applications. Topics shall include, but not be limited to, circular functions, trigonometric identities, graphs of trigonometric functions, particular and general solutions of trigonometric equations, and solutions of right and oblique triangles.</p>	

Q*Advanced Placement Calculus BC	
Course #	12023201,2
Grade Level	12
Length	1 year
Prerequisite	Credit in Trigonometry and Analytic Geometry or Pre-Calculus
Credit	1
<p>The purpose of this course is to provide an extensive study of the general theory and techniques of calculus. The content is specified by the Advanced Placement Program.</p>	
<p>Note: <i>Students are required to take the Advanced Placement examination. A student may earn credit in both AP Calculus AB and BC.</i></p>	

Q*IB Mathematical Studies	
Course #	12098005
Grade Level	12
Length	1 year
Prerequisite	See IB Counselor
Credit	1
<p>The purpose of this course is to provide for the study of certain advanced topics. The content should include, but not be limited to, the following: the structure of mathematics, number theory, logic, relations, linear and exponential functions, probability and statistics, and sequences and series.</p>	

***SAT Preparation (Critical Thinking and Study Skills)	
Course #	1700370X

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Q*IB Standard Level Mathematics	
Course #	12028005 Calculus - IB 12068005 Analytical Geometry IB
Grade Level	11-12
Length	1 year each course
Prerequisite	See IB Counselor
Credit	1 credit each course
<p>This program is designed to provide a background of mathematical thought and a reasonable level of technical ability for those not wishing to take Mathematics at Higher Level. It is intended to provide a sound mathematical basis for students planning to pursue studies in business administration, economics, geography, and chemistry. The program requires a substantial amount of background knowledge and contains a wide variety of mathematical topics such as logarithms, sequences and series, linear and quadratic equations and inequalities, graphs, the Binomial Theorem, similarity, arcs and sectors, trigonometry, functions, differentiation, applications of differentiation, integration, applications of integration, vectors, matrices, probability and statistics. In addition to compulsory core topics, one of two optional topics will be covered: (1) analytical geometry, conic sections, and further calculus, or (2) further probability and statistics and discrete and continuous random variables. The AP Calculus AB syllabus is followed in grade 11 so students may take the AP Calculus AB exam with recommendation of the teacher.</p>	

Q*IB Math Analysis	
Course #	1201320
Grade Level	9-12
Length	1 year
Prerequisite	See IB Counselor
Credit	1
<p>The purpose of this course is to enable students to extend knowledge of functions, acquire modes of mathematical reasoning at an introductory level, and develop skills necessary for the study of calculus. The content should include, but not be limited to, the following: -polynomial and rational functions - exponential and logarithmic functions -sequences and series -mathematical induction -symbolic logic and set theory -matrix algebra -limits and continuity -vectors.</p>	

Q*IB Mathematics Higher Level	
Course #	1209830
Grade Level	9-12
Length	1 year
Prerequisite	See IB Counselor
Credit	1
<p>The purpose of this course is to extend student knowledge of algebraic, trigonometric, exponential and logarithmic functions, vectors, complex numbers, linear algebra, probability and statistics. Students will study additional topics from one of four areas. It is expected that extensive use will be made of graphing calculators in both the development and the application of these topics. Access to computers is recommended. should include, but not be limited to, the following topics from the Mathematics Higher Level syllabus specified by the International Baccalaureate Organization: -Complex numbers - Matrices -Vectors -Probability -Statistics and one of the following topics: Additional Statistics and Probability--Sets, relations and groups as an introduction to abstract algebra Infinite series and differential equations Discrete mathematics.</p>	

SPECIAL COURSES OFFERED ONLY BY CAMBRIDGE UNIVERSITY (AICE) MAGNET PROGRAM

Q* Pre-AICE Mathematics 2 (counts for Geometry)	
Course #	12098200
Grade Level	9
Length	1 year
Prerequisite	Algebra 1 Honors
Credit	1
<p>Pre-AICE Geometry is a course designed to provide a rigorous and complete study of geometry concepts with the emphasis on methods of proof and the formal language of mathematics.</p>	

Q* Pre-AICE Mathematics 3 (counts for Algebra 2 Honors)	
Course #	1209825
Grade Level	9-10
Length	1 year
Prerequisite	Mathematics 2 in Pre-AICE
Credit	1

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Update 4/25/13


This course is an in-depth study of the topics of algebra with emphasis on theory, proof, the development of formulas, and their application.

**Basic Mathematics Skills (One-year Pre-Algebra Program)	
Course #	12003001,2
Grade Level	9-12
Length	1 year
Prerequisite	None
Credit	1
<p>The purpose of this course is to ensure that students have the prerequisite skills needed for success in Algebra 1. Topics shall include, but not be limited to, equations and inequalities, exponents, scientific notation, geometry, graphing, measurement, polynomials, probability, ratio, proportion, percent, real number properties and operations, statistics, problem solving strategies and literacy strategies. This course is not recognized by the State University System as meeting one of the core courses required for freshman admission.</p>	

Q* AICE Mathematics 1	
Course #	1202352
Grade Level	9-12
Length	1 year
Prerequisite	Acceptance into PRE-AICE
Credit	1 year
<p>A and AS Level Mathematics builds on the skills acquired at IGCSE (or equivalent) level. The syllabus allows Centres flexibility to choose from three different routes to AS Level Mathematics - Pure Mathematics only or Pure Mathematics and Mechanics or Pure Mathematics and Probability and Statistics. Centres can choose from three different routes to A Level Mathematics depending on the choice of Mechanics, or Probability and Statistics, or both, in the broad area of 'applications'.</p>	

Only for Use in Adult High School Co-Enrolled Program	
***Intensive Math	
Course #	12004001,2
Grade Level	9-12
Length	1 semester
Prerequisite	None
Credit	Multiple Elective Credit
<p>The purpose of this course is to improve students' skills for FCAT. This course may not be used to meet the graduation requirement for mathematics and is not a college prep course.</p>	

Q* AICE Mathematics & Probability & Statistics 2 A Level	
Course #	1202364 (AICE MA & PR & ST 2 AL)
Grade Level	11-12
Length	1 year
Prerequisite	Acceptance into Pre-AICE
Credit	1.0
<p>This course is designed to provide the learner with a deeper understanding of mathematical principles and further the development of mathematical skills including the use of applications of mathematics in the context of everyday situations and other subjects they may be studying. The learner will further develop the ability to analyze problems logically and recognize when and how a situation may be represented mathematically. The learner will develop a deeper understanding of the use of mathematics as a means of communication and develop a solid foundation for further study.</p>	

Explanation of Symbols	
Symbol	Explanation
*	Course meets Mathematics graduation requirement.
**	Course meets Mathematics graduation requirement if a student performance plan (PCS Form 2-2705) is on file.
***	Elective Credit Only
	The virtual symbol indicates this course is available in a Pinellas County School virtual learning environment.

COURSES OFFERED ONLY TO STUDENTS WITH SPECIAL NEEDS

2013-2014 HS MATHEMATICS

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All Pinellas Virtual School (PVS) courses are aligned with the Next Generation Sunshine State Standards (NGSSS) and in the Board approved MS and HS Course Code Directories.
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*Music Theory 1	
Course #	13003001,2
Grade Level	9-12
Length	1 year
Prerequisite	None
Credit	1
The purpose of this course is to introduce and explore musical fundamentals as practiced in various historical periods. Emphasis will be placed on aural and notational skill development.	

Q *Music Theory 2 Honors	
Course #	13003101,2
Grade Level	9-12
Length	1 year
Prerequisite	Music Theory I or audition/demonstration of skill knowledge
Credit	1
This course enables the student to analyze and apply musical fundamentals as practiced in various historical periods. Emphasis will be placed on aural skills development, harmonic notation and written analysis. Course includes district developed requirements designed to demonstrate student mastery of rigorous standards required of quality point fine arts courses.	

Q *Advanced Placement Music Theory	
Course #	13003301,2
Grade Level	10-12
Length	1 year
Prerequisite	Music Theory III or audition/demonstration of skill knowledge
Credit	1
The purpose of this course is to develop the student's abilities to recognize and understand the tonal rhythmic nature of any music that is heard or read in the score. The content will include the development of music theory skills, i.e., aural and notational skills, composition, harmonization and counterpoint. Course includes district developed requirements designed to demonstrate student mastery of rigorous standards required of quality point fine arts courses.	
Students are required to take the Advanced Placement examination.	

Music of the World	
Course #	1300340
Grade Level	9-12
Length	1 year
Prerequisite	None
Credit	1
Students explore the musical traditions of 20th- and 21st-century American and global communities around the world through study of current trends, focusing on the function of music within various cultures (e.g., jazz, world drumming, mariachi, soul, gamelan, Bollywood, digital). Students examine and report on human activities involving music, technology- and culture-related influences on music, and the sounds and structures of music composition. Public performances may serve as a resource for specific instructional goals. Students may be required to attend one or more performances outside the school day to support, extend, and assess learning in the classroom.	

*Guitar 1	
Course #	13013201,2
Grade Level	9-12
Length	1 year
Prerequisite	None
Credit	1
This course is designed to offer introductory experiences on the guitar in performance skills and interpretation of simple notation. The students will develop the ability to perform simple chords and melodies using correct hand positions, play chords and melodies in selected keys and demonstrate a beginning knowledge of music reading and vocabulary.	

*Guitar 2	
Course #	13013301,2
Grade Level	9-12
Length	1 year
Prerequisite	Guitar I*
Credit	1
The purpose of this course is to develop the skills introduced in Guitar I with an emphasis on independence. The content will include the study of a variety of guitar literature in solo and ensemble settings.	

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*Guitar 3	
Course #	13013401,2
Grade Level	9-12
Length	1 year
Prerequisite	Guitar II*
Credit	1
<p>This course will enable students to perform guitar literature in a variety of meters, styles, and keys. The student will demonstrate the knowledge of appropriate expressive characteristics, vocabulary, history, analysis, and listening skills. The content will include the development of improvisation and accompaniment skills.</p>	

*Keyboard 2	
Course #	13013701,2
Grade Level	9-12
Length	1 year
Prerequisite	Keyboard I *
Credit	1
<p>This course is designed to develop the ability to perform keyboard selections by using correct fingering and hand positions. The student will demonstrate an intermediate knowledge of music reading and vocabulary, play root chords, scales, and chord progressions.</p>	

Q *Guitar 4 Honors	
Course #	13013501,2
Grade Level	9-12
Length	1 year
Prerequisite	Guitar III*
Credit	1
<p>The purpose of this course is to provide students with opportunities to perform varied guitar solo and ensemble literature. The content will integrate knowledge of music history, analysis, and listening skills. Students will demonstrate and refine improvisational and accompaniment skills. Course includes district developed requirements designed to demonstrate student mastery of rigorous standards required of quality point fine arts courses.</p>	

*Keyboard 3	
Course #	13013801,2
Grade Level	9-12
Length	1 year
Prerequisite	Keyboard II*
Credit	1
<p>The purpose of this course is to offer students the opportunity to perform varied keyboard literature in a variety of meters, styles and keys. The student will demonstrate appropriate performance techniques, and the knowledge of music vocabulary, history, analysis and listening skills.</p>	

*Keyboard 1	
Course #	13013601,2
Grade Level	9-12
Length	1 year
Prerequisite	None
Credit	1
<p>This course will provide students with introductory experiences on the keyboard in performance skills and interpretation of simple notation. Content includes the development of music fundamentals, appropriate vocabulary, and listening skills.</p>	

Q *Keyboard 4 Honors	
Course #	13013901,2
Grade Level	9-12
Length	1 year
Prerequisite	Keyboard III*
Credit	1
<p>This course provides students with advanced instruction in individual keyboard performance of difficult solos and accompaniments in a variety of meters, styles, historical eras and keys. Students will sight-read grade III level literature, harmonize melodies using four part chorale style, transpose easy melodies and harmonies, and formulate critical evaluations and decisions about musical performance. This course includes district developed requirements designed to demonstrate student mastery of rigorous standards required of quality point fire arts courses.</p>	

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*Band 1 A/B	
Course #	13023001,2
Grade Level	9-12
Length	1 year
Prerequisite	None
Credit	1
The purpose of this course is to provide students with the opportunity to develop technical skills on band instruments in an ensemble setting. The content will include developing performance techniques and reading musical notation.	

*Band 4 A/B	
Course #	13023301,2
Grade Level	9-12
Length	1 year
Prerequisite	Band III*
Credit	1
The purpose of this course is to provide students with in-depth instruction in musicianship and technical skills through the study of varied band literature. The content will include interpreting medium/difficult level band literature, refining tone production and performance techniques, demonstrating an understanding of musical form, and evaluating musical performance as a participant and as a listener.	

*Band 2 A/B	
Course #	13023101,2
Grade Level	9-12
Length	1 year
Prerequisite	Band I*
Credit	1
This course is designed to extend musicianship skills and the development of technical skills through performance in instrumental ensembles. The content will include the production of characteristic tone, and the development of basic band performance techniques, musical literacy, and music appreciation.	

Q *Band 5 Honors	
Course #	13023401,2
Grade Level	9-12
Length	1 year
Prerequisite	Band IV*
Credit	1
This course enables the student to develop independent musicianship, performance techniques and aesthetic awareness through performance of varied band literature. The student will demonstrate ability to interpret and perform difficult musical notation at sight and formulate critical evaluations about musical performance as a participant and as a listener. Course includes district developed requirements designed to demonstrate student mastery of rigorous standards required of quality point fine arts courses.	

*Band 3 A/B	
Course #	13023201,2
Grade Level	9-12
Length	1 year
Prerequisite	Band II*
Credit	1
This course provides students with instruction in development of musicianship and technical skills through the study of varied band literature. The content will include interpreting medium level band music, establishing appropriate tone production and performance techniques, identifying simple musical form and various styles, and formulating aesthetic awareness.	

Q *Band 6 Honors	
Course #	13023501,2
Grade Level	9-12
Length	1 year
Prerequisite	Band V*
Credit	1
This course is designed to foster internalization of independence in musicianship, performance techniques, and aesthetic awareness through the performance of varied band literature. The student will demonstrate awareness and application of appropriate ensemble Band VI performance techniques and demonstrate independent ability to interpret and perform difficult musical notation at sight. Course	

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includes district developed requirements designed to demonstrate student mastery of rigorous standards required of quality point fine arts courses.

*Orchestra 1 A/B

Course # 13023601,2

Grade Level 9-12

Length 1 year

Prerequisite None

Credit 1

This course will enable students to develop fundamental music skills, appropriate tone production and performance techniques on orchestral instruments. The content will include the knowledge of basic rhythmic values and meters and identification of simple musical terms.

*Orchestra 2 A/B

Course # 13023701,2

Grade Level 9-12

Length 1 year

Prerequisite Orchestra I*

Credit 1

The purpose of this course is to provide ensemble experiences on orchestral instruments and to develop skills in characteristic tone production, performance techniques, musical literacy and music appreciation.

*Orchestra 3 A/B

Course # 13023801,2

Grade Level 9-12

Length 1 year

Prerequisite Orchestra II*

Credit 1

The purpose of this course is to provide students with instruction in the development of technical skills through the study of varied orchestral literature. The content will include interpreting medium level orchestral music, establishing appropriate tone production and performance techniques, and identifying musical form and style periods.

*Orchestra 4 A/B

Course # 13023901,2

Grade Level 9-12

Length 1 year

Prerequisite Orchestra III*

Credit 1

The purpose of this course is to develop the student's independent ability to produce characteristic tone and to interpret and perform medium level musical notation at sight. The student will demonstrate the knowledge of musical form and varied style periods, and evaluate musical performances as a participant and a listener.

Q *Orchestra 5 A/B Honors

Course # 13024001,2

Grade Level 9-12

Length 1 year

Prerequisite Orchestra IV*

Credit 1

This course is designed to develop the student's independent ability to produce a tone appropriate to various styles of orchestral literature and apply appropriate performance techniques to various styles. The student will apply knowledge of musical form, styles and history, and formulate critical evaluations about musical performance. Course includes district developed requirements designed to demonstrate student mastery of rigorous standards required of quality point fine arts courses.

Q *Orchestra 6 A/B Honors

Course # 13024101,2

Grade Level 9-12

Length 1 year

Prerequisite Orchestra V*

Credit 1

This course provides instruction in independent interpretation of difficult music; refinement of independent musicianship, tone production and performance techniques; and analysis and application of form, style and history in the performance of varied orchestral literature. Course includes district developed requirements designed to demonstrate student mastery of rigorous standards required of quality point fine arts courses.

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*Instrumental Techniques 1	
Course #	13024200
Grade Level	9-12
Length	1 year
Prerequisite	None
Credit	1
<p>The purpose of this course is to develop fundamental performance techniques and the interpretation of musical notation. The student will display knowledge of the care of the instrument, demonstrate a characteristic tone on the instrument of choice and develop beginning level evaluative listening skills.</p>	

*Instrumental Techniques 2	
Course #	13024300
Grade Level	9-12
Length	1 year
Prerequisite	Instrumental Tech. I*
Credit	1
<p>This course will provide instruction in performance techniques with emphasis placed on technical and musical fundamentals and listening skills.</p>	

*Instrumental Techniques 3	
Course #	13024401, 2
Grade Level	9-12
Length	1 year
Prerequisite	Instrumental Tech. II*
Credit	1
<p>The purpose of this course is to provide students the opportunity to develop solo performance skills. Instruction will include performance techniques such as breath control, tone production, intonation, phrasing, and expression. Students will demonstrate independence in the interpretation of grade III-IV solo literature and the evaluation of critical listening skills.</p>	

Q *Instrumental Techniques 4 Honors	
Course #	13024501,2
Grade Level	9-12
Length	1 year
Prerequisite	Instrumental Tech. III* or Band 4
Credit	1
<p>This course will give the student an opportunity to demonstrate advanced solo performance skills and independence in the interpretation of grades IV and V solo literature. The student will integrate performance techniques independently, formulate critical evaluations and make decisions about music performance as a listener and a performer. Course includes district developed requirements designed to demonstrate student mastery of rigorous standards required of quality point fine arts courses.</p>	

*Instrumental Ensemble 1 A/B	
Course #	13024600
Grade Level	9-12
Length	1 year
Prerequisite	Previous instrumental experience
Credit	1
<p>The purpose of this course is to provide students with opportunities for performance in specific instrumentations through the study of appropriate literature. This course will include instruction in the development of ensemble concepts in balance, blend and stylistic interpretation of varied music literature.</p>	

*Instrumental Ensemble 2 A/B	
Course #	13024701,2
Grade Level	9-12
Length	1 year
Prerequisite	Instrumental Ens. I*
Credit	1
<p>This course will provide students with extended opportunities for demonstration and refinement of musical independence necessary for ensemble performance. The student will demonstrate musical sensitivity of performance techniques such as balance, intonation and blend appropriate to the ensemble.</p>	

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*Instrumental Ensemble 3 A/B	
Course #	13024801,2
Grade Level	9-12
Length	1 year
Prerequisite	Instrumental Ens. II*
Credit	1
<p>The purpose of this course is to provide students with opportunities to refine interpretation and performance skills in specific instrumentations through the study of varied ensemble literature. The content will include the development of individual techniques and ensemble performance skills, knowledge of music terminology, musical interpretation, listening skills and a sense of responsible participation.</p>	

*Jazz Ensemble 2 A/B	
Course #	13025101,2
Grade Level	9-12
Length	1 year
Prerequisite	Jazz Ensemble I*
Credit	1
<p>The purpose of this course is to develop and extend an understanding of styles and performance techniques of contemporary music and jazz literature. An emphasis will be placed on basic improvisation skills, tone production, and individual and ensemble performance.</p>	

Q *Instrumental Ensemble 4 A/B Honors	
Course #	13024901,2
Grade Level	9-12
Length	1 year
Prerequisite	Instrumental Ens. III* or Band 4
Credit	1
<p>This course will provide students with opportunities to demonstrate leadership and creativity in the interpretation and performance of ensemble literature. The student will formulate critical evaluations and decisions about music performance as a listener and a performer. Course includes district developed requirements designed to demonstrate student mastery of rigorous standards required of quality point fine arts courses.</p>	

*Jazz Ensemble 3 A/B	
Course #	13025201,2
Grade Level	9-12
Length	1 year
Prerequisite	Jazz Ensemble II*
Credit	1
<p>This course will develop the ability to apply the knowledge of styles and techniques of varied contemporary music and jazz literature through ensemble performance. Content includes an emphasis on producing a characteristic tone, developing individual and ensemble techniques, improvising and refining an appreciation for the history of jazz.</p>	

*Jazz Ensemble 1 A/B	
Course #	13025001,2
Grade Level	9-12
Length	1 year
Prerequisite	Previous instrumental experience
Credit	1
<p>The purpose of this course is to provide students with an introduction to styles and performance techniques of varied contemporary music and jazz literature.</p>	

Q*Jazz Ensemble 4 A/B Honors	
Course #	13025301,2
Grade Level	9-12
Length	1 year
Prerequisite	Jazz Ensemble III*
Credit	1
<p>The purpose of this course is to develop independence in the knowledge and demonstration of styles and performance techniques of varied contemporary music and jazz literature. The content will include improvisation, interpretation, and performance of appropriately difficult jazz literature. Course includes district developed requirements designed to demonstrate student mastery of rigorous standards required of quality point fine arts courses.</p>	

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*Chamber Orchestra 1	
Course #	1302540
Grade Level	9-12
Length	1 year
Prerequisite	None
Credit	1
<p>String players seeking a challenging, small orchestra ensemble experience advance their ensemble, instrumental, and music literacy skills as they learn standard chamber orchestra works from a broad variety of periods and styles. Public performances may serve as a culmination of specific instructional goals. Students may be required to attend and/or participate in rehearsals and performances outside the school day to support, extend, and assess learning in the classroom. Students in this class may need to obtain (e.g., borrow, rent, purchase) an instrument from an outside source.</p>	

*Chorus 1 A/B	
Course #	13033001,2
Grade Level	9-12
Length	1 year
Prerequisite	None
Credit	1
<p>The purpose of this course is to develop basic vocal techniques and musicianship skills through the study of varied choral literature. The content will include fundamental skills in vocal tone production, choral performance techniques, musical literacy and music appreciation.</p>	

*Chorus 2 A/B	
Course #	13033101,2
Grade Level	9-12
Length	1 year
Prerequisite	Chorus I, Chorus High/Low Range I*
Credit	1
<p>The purpose of this course is to extend the development of basic musicianship skills including choral performance techniques, vocal tone production, musical literacy and music listening. This course will include the study of a variety of choral literature.</p>	

*Chorus 3 A/B	
Course #	13033201,2
Grade Level	9-12
Length	1 year
Prerequisite	Chorus II*
Credit	1
<p>This course provides students with instruction in the development of vocal musicianship and technical skills. An emphasis will be placed on producing an appropriate vocal tone, interpreting musical notation, and formulating aesthetic values.</p>	

*Chorus 4 A/B	
Course #	13033301,2
Grade Level	9-12
Length	1 year
Prerequisite	Chorus III*
Credit	1
<p>This course provides students with instruction in the application of vocal musicianship and technical skills. An emphasis will be placed on the refinement of tone production and performance techniques, analysis of musical form, and aesthetic perceptions.</p>	

Q *Chorus 5 A/B Honors	
Course #	13033401,2
Grade Level	9-12
Length	1 year
Prerequisite	Chorus IV*
Credit	1
<p>This course enables students to develop independence in musicianship and performance techniques while performing various styles of choral literature. The student will demonstrate ability to interpret and perform difficult musical notation at sight and formulate critical evaluations about musical performance as a participant and listener. Course includes district developed requirements designed to demonstrate student mastery of rigorous standards required of quality point fine arts courses.</p>	

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Q *Chorus 6 A/B Honors	
Course #	13033501,2
Grade Level	9-12
Length	1 year
Prerequisite	Chorus V*
Credit	1
<p>The purpose of this course is to develop independence in vocal musicianship, performance techniques, and aesthetic awareness through the performance of varied choral literature. The student will consistently demonstrate ability to interpret and perform difficult musical notation at sight. The student will formulate and justify critical evaluations about musical performance as a participant and listener. Course includes district developed requirements designed to demonstrate student mastery of rigorous standards required of quality point fine arts courses.</p>	

*Chorus - Register Specific 1	
Course #	13033600
Grade Level	9-12
Length	1 year
Prerequisite	None
Credit	1
<p>The purpose of this course is to develop proper vocal techniques through the study of varied choral literature. The student will demonstrate knowledge of form, style and history of appropriate choral literature.</p>	

*Chorus - Register Specific 2	
Course #	13033701,2
Grade Level	9-12
Length	1 year
Prerequisite	Chorus High/Low I, Chorus I*
Credit	1
<p>This course will provide students with an opportunity to develop musicianship and aesthetic awareness. The student will demonstrate the ability to interpret medium-easy level musical notation at sight and choral ensemble performance techniques through the study of varied choral literature.</p>	

*Chorus - Register Specific 3	
Course #	13033801,2
Grade Level	9-12
Length	1 year
Prerequisite	Chorus High/Low II, Chorus II*
Credit	1
<p>The purpose of this course is to develop independence in musicianship and vocal techniques through the performance of varied appropriate choral literature. The content will foster critical listening skills and aesthetic values.</p>	

Q *Chorus - Register Specific 4	
Course #	13033901,2
Grade Level	9-12
Length	1 year
Prerequisite	Chorus High/Low III, Chorus III*
Credit	1
<p>This course will enable students to refine independence in musicianship and choral performance techniques through the study of varied choral literature. The content will include the interpretation and performance of medium level musical notation and the demonstration of knowledge of musical form. Course includes district developed requirements designed to demonstrate student mastery of rigorous standards required of quality point fine arts courses.</p>	

*Vocal Techniques 1	
Course #	13034000
Grade Level	9-12
Length	1 year
Prerequisite	None
Credit	1
<p>The purpose of this course is to provide beginning students with fundamental vocal instruction in a class situation. This course will enable students to develop performance techniques such as breath control, vocal tone production, intonation, phrasing and expression.</p>	

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*Vocal Techniques 2	
Course #	13034100
Grade Level	9-12
Length	1 year
Prerequisite	Vocal Techniques I*
Credit	1
The course will enable students to develop vocal performance techniques with emphasis placed on vocal tone production, music fundamentals and listening skills.	

*Vocal Ensemble 1 A/B	
Course #	13034401,2
Grade Level	9-12
Length	1 year
Prerequisite	Prior Vocal Experience
Credit	1
This course will develop vocal performance techniques in an ensemble setting with an emphasis on appropriate vocal balance, blend, stylistic interpretation and choreography. The content will include the study of a wide variety of choral ensemble literature.	

*Vocal Techniques 3	
Course #	13034201,2
Grade Level	9-12
Length	1 year
Prerequisite	Vocal Techniques II*
Credit	1
This course will enable students to develop intermediate level vocal performance techniques with emphasis placed on demonstrating technical and musical fundamentals in solo performance.	

*Vocal Ensemble 2 A/B	
Course #	13034501,2
Grade Level	9-12
Length	1 year
Prerequisite	Vocal Ensemble I*
Credit	1
The purpose of this course is to apply performance techniques in Vocal Ensemble II vocal ensembles through the study of varied choral literature. The student will demonstrate musical independence necessary to perform various styles.	

Q *Vocal Techniques 4 Honors	
Course #	13034301,2
Grade Level	9-12
Length	1 year
Prerequisite	Vocal Techniques III*/Chorus 4
Credit	1
The purpose of this course is to provide advanced instruction in voice for solo performance in a class situation. The students will formulate critical evaluations and decisions about musical performances as a listener and a performer. Course includes district developed requirements designed to demonstrate student mastery of rigorous standards required of quality point fine arts courses.	

*Vocal Ensemble 3 A/B	
Course #	13034601,2
Grade Level	9-12
Length	1 year
Prerequisite	Vocal Ensemble II*
Credit	1
This course will refine musical independence and creativity necessary for vocal ensemble performance. The content will include the opportunity to perform ensemble techniques such as balance, blend, tone production and stylistic interpretation through the study of appropriate choral ensemble literature.	

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Q * Vocal Ensemble 4 A/B Honors	
Course #	13034701,2
Grade Level	9-12
Length	1 year
Prerequisite	Vocal Ensemble III*/Chorus 4
Credit	1
<p>The purpose of this course is to provide opportunities for leadership and performance creativity in small vocal ensembles. The content will foster independent application of vocal balance, blend and stylistic interpretation through the study of varied appropriate choral literature. Course includes district developed requirements designed to demonstrate student mastery of rigorous standards required of quality point fine arts courses.</p>	

Q *Music Technology and Sound Engineering 3 Honors	
Course #	13043201,2
Grade Level	9-12
Length	1 year
Prerequisite	Electronic Music II
Credit	1
<p>This course will develop independence in programming, composing, arranging, and performing with instruments (MIDI) interfacing with computers. The content will include a familiarity with the State of the Art music technology, compositional software and its uses in performances, rehearsals, and teaching situations. A variety of musical styles and idioms will be demonstrated by the students. Course includes district developed requirements designed to demonstrate student mastery of rigorous standards required of quality point fine arts courses.</p>	

*Music Technology and Sound Engineering 1	
Course #	13043001,2
Grade Level	9-12
Length	1 year
Prerequisite	None
Credit	1
<p>The purpose of this course is to provide students with instruction at the beginning level in the use of computers and MIDI instruments. Students will display fundamental knowledge of sequencing and notation software terms and functions of creating and arranging music with the available technology.</p>	

Q Music Ensemble 4 Honors	
Course #	1305430
Grade Level	11-12
Length	1 year
Prerequisite	Music Ensemble 3 or Chorus 4
Credit	1
<p>Students with extensive instrumental ensemble experience refine their critical listening, music literacy, and ensemble skills through the study, rehearsal, and performance of high-quality, advanced literature. Students use reflection and problem-solving skills with increasing independence to improve their performance and musical expressivity. Public performances may serve as a culmination of specific instructional goals. Students may be required to attend and/or participate in rehearsals and performances outside the school day to support, extend, and assess learning in the classroom. This course may also require students to obtain a musical instrument (e.g., borrow, rent, purchase) from an outside source.</p>	

Q *Music Technology and Sound Engineering 2	
Course #	13043101,2
Grade Level	9-12
Length	1 year
Prerequisite	Electronic Music I
Credit	1
<p>This course will enable the student to apply performance, composing, and arranging techniques with the use of computers and MIDI instruments. The student will demonstrate appropriate knowledge of interfacing computers with instruments (MIDI) and perform various styles and idioms. Course includes district developed requirements designed to demonstrate student mastery of rigorous standards required of quality point fine arts courses.</p>	

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Q Music Techniques 4 Honors	
Course #	1305530
Grade Level	11-12
Length	1 year
Prerequisite	Music Technique 3 or Chorus 4
Credit	1
<p>Students in this advanced class refine their musicianship and performance skills on a specified instrument or voice. Students prepare for post-secondary and community music experiences and develop artistry independently through a variety of advanced solos, etudes, and excerpts. Public performances may serve as a culmination of specific instructional goals. Students may be required to attend and/or participate in rehearsals and performances outside the school day to support, extend, and assess learning in the classroom. This course, if used for an instrumental class, may also require students to obtain a musical instrument (e.g., borrow, rent, purchase) from an outside source.</p>	

*Eurythmics 3 A/B	
Course #	13053201,2
Grade Level	9-12
Length	1 year
Prerequisite	Eurythmics II
Credit	1
<p>This course will provide students with the opportunity to choreograph and perform solo movement sequences set to music in a given style. Students will display knowledge of terminology related to music and movement.</p>	

*Eurythmics 1 A/B	
Course #	13053000
Grade Level	9-12
Length	1 year
Prerequisite	None
Credit	1
<p>The purpose of this course is to provide students with instruction in the development of beginning level skills in the art of performing movements in rhythm using musical accompaniment. Content will include basic terminology related to music and movement and the understanding of safety practices related to eurythmic activities including warm-up and cool-down.</p>	

*Eurythmics 4 A/B	
Course #	13053301,2
Grade Level	9-12
Length	1 year
Prerequisite	Eurythmics III
Credit	1
<p>The purpose of this course is to extend the study of musical interpretation through movement. Emphasis will be on individual creativity and develop the ability to evaluate the appropriateness and general effects of individual and ensemble performances.</p> <p>A. Courses may require students insurance for after-school rehearsals and off-school site concerts.</p> <p>B. May require mandatory after-school rehearsals and performances as part of the criteria for grades.</p>	

*Eurythmics 2 A/B	
Course #	13053100
Grade Level	9-12
Length	1 year
Prerequisite	Eurythmics I
Credit	1
<p>This course will enable students to apply the basic performance techniques in movement sequences set to music. Students will display knowledge of basic rhythms, meter, tempo and form.</p>	

*Music Ensemble 1	
Course #	1305400
Grade Level	9-12
Length	1 year
Prerequisite	None
Credit	1
<p>Students with little or no experience in a vocal or instrumental ensemble develop basic musicianship and ensemble performance skills through the study of basic, high-quality music in diverse styles. Student musicians focus on building foundational music techniques, music literacy, listening skills, and aesthetic awareness. Public performances may serve as a culmination of specific instructional goals. Students may be required to attend and/or participate in rehearsals and performances outside the school day to support, extend, and assess learning in the classroom. This course, if used for an instrumental ensemble, may also require students to</p>	

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obtain a musical instrument (e.g., borrow, rent, purchase) from an outside source.
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*Music Ensemble 2	
Course #	1305410
Grade Level	10-12
Length	1 year
Prerequisite	Music Ensemble 1
Credit	1

Students with previous vocal or instrumental ensemble experience continue building musicianship and performance skills through the study of high-quality music in diverse styles. Student musicians learn to self-assess and collaborate as they rehearse, perform, and study relevant musical styles and time periods. Public performances may serve as a culmination of specific instructional goals. Students may be required to attend and/or participate in rehearsals and performances outside the school day to support, extend, and assess learning in the classroom. This course, if used for an instrumental ensemble, may also require students to obtain a musical instrument (e.g., borrow, rent, purchase) from an outside source.

*Music Ensemble 3	
Course #	1305420
Grade Level	10-12
Length	1 year
Prerequisite	Music Ensemble 2
Credit	1

Students strengthen vocal or instrumental ensemble performance skills, music literacy, and analytical skills through the study of high-quality music in diverse styles. Student musicians learn to self-assess and collaborate as they rehearse, perform, and study relevant history and cultures. Public performances may serve as a culmination of specific instructional goals. Students may be required to attend and/or participate in rehearsals and performances outside the school day to support, extend, and assess learning in the classroom. This course, if used for an instrumental ensemble, may also require students to obtain a musical instrument (e.g., borrow, rent, purchase) from an outside source.

*Music Techniques 1	
Course #	1305500
Grade Level	9-12
Length	1 year
Prerequisite	None
Credit	1

Students in this entry-level class focus on the development of musical and technical skills on a specific instrument or voice through etudes, scales, and selected music literature. Through problem-solving, critical thinking, and reflection, students develop the physical and cognitive skills to be more disciplined performers. Public performances may serve as a culmination of specific instructional goals. Students may be required to attend and/or participate in rehearsals and performances outside the school day to support, extend, and assess learning in the classroom. This course, if used for an instrumental class, may also require students to obtain a musical instrument (e.g., borrow, rent, purchase) from an outside source.

*Music Techniques 2	
Course #	1305510
Grade Level	10-12
Length	1 year
Prerequisite	Music Techniques 1
Credit	1

Students in this novice-level class continue to develop musical and technical skills on a specific instrument or voice through developmentally appropriate solo literature, etudes, scales, and exercises. Through problem-solving, critical thinking, and reflection, students develop the physical and cognitive skills necessary to be more disciplined performers. Public performances may serve as a culmination of specific instructional goals. Students may be required to attend and/or participate in rehearsals and performances outside the school day to support, extend, and assess learning in the classroom. This course, if used for an instrumental class, may also require students to obtain a musical instrument (e.g., borrow, rent, purchase) from an outside source.

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*Music Techniques 3	
Course #	1305520
Grade Level	10-12
Length	1 year
Prerequisite	Music Techniques 2
Credit	1
<p>Students in this intermediate-level class develop their musical and technical skills further on a specific instrument or voice, and expand their technical and performance skills, enhanced by historical and cultural background knowledge of the music. Students explore more demanding solo literature, etudes, and technical exercises with increasing independence. Public performances may serve as a culmination of specific instructional goals. Students may be required to attend and/or participate in rehearsals and performances outside the school day to support, extend, and assess learning in the classroom. This course, if used for an instrumental class, may also require students to obtain a musical instrument (e.g., borrow, rent, purchase) from an outside source.</p>	

Q *Music 2 Pre IB	
Course #	13008105
Grade Level	9-10
Length	1 year
Prerequisite	IB Music I
Credit	1
<p>This purpose of this course is to develop the International Baccalaureate students' awareness of the techniques of listening, analysis, performing, and composing through the use of the keyboard and applied instrument or voice medium. The content should include, but not be limited to the following: - historical perspectives of western/non-western music-individual music performance skill development Course includes district developed requirements designed to demonstrate student mastery of rigorous standards required of quality point fine arts courses.</p>	

Q *Music 3 IB A/B	
Course #	13008205
Grade Level	11-12
Length	1 year
Prerequisite	Pre IB Music II
Credit	1
<p>The purpose of this course is to develop the International Baccalaureate students' understanding of the techniques of listening, analysis, performing, and composing through the use of keyboard, computer-assisted writing, and applied instrument or voice medium. The content should include, but not be limited to the following:-historical perspectives of western/non-western music -individual music performance skill development Course includes district developed requirements designed to demonstrate student mastery of rigorous standards required of quality point fine arts courses.</p>	

SPECIAL COURSES OFFERED ONLY BY THE IB PROGRAM

Q *Music 1 Pre IB	
Course #	13008005
Grade Level	9-10
Length	1 year
Prerequisite	None
Credit	1
<p>The purpose of this course is to introduce International Baccalaureate students to the rudiments of music and the techniques of listening, analysis, and performing through the use of the keyboard and applied instrument or voice medium. The content should include, but not be limited to the following:- historical perspectives of western and nonwestern music-individual music performance skill development Course includes district developed requirements designed to demonstrate student mastery of rigorous standards required of quality point fine arts courses.</p>	

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Q *Music 4 IB A/B	
Course #	13008305
Grade Level	11-12
Length	1 year
Prerequisite	IB Music III
Credit	1
<p>The purpose of this course is to develop the International Baccalaureate students' mastery of techniques in the areas of listening, analysis, performing, and composing through the use of keyboard, computer-assisted writing, and student-preferred instrument or voice medium. The content should include, but not be limited to the following:- historical perspectives of western and non western music- study of music through analysis and performance - individual music performances development Course includes district developed requirements designed to demonstrate student mastery of rigorous standards required of quality point fine arts courses</p>	

cultures is always represented.

Explanation of Symbols	
Symbol	Explanation
*	An asterisk by the course title indicates that the course meets the Fine Arts graduation requirement.
Q	Course includes district developed requirements designed to demonstrate student mastery of rigorous standards required of quality point fine arts courses.
*	An asterisk on the pre-requisite line indicates that the prerequisite listed may, in special cases, be waived by an audition and demonstration of skill knowledge based on the key learnings common assessments.
NOTE:	In the area of music and theatre, 4 X 4 schools may find it necessary to require students to commit to two consecutive classes (yearlong participation – 36 weeks) in order to meet the performing arts production requirements for these classes. Due to the nature of performance classes, some upper level music and theatre classes may require an audition.

The following symbols are used throughout this document:

A	course may require student insurance due to after-school rehearsals and off-school concerts
B	course may require mandatory after-school rehearsals and performances as part of the criteria for grading

**SPECIAL COURSES OFFERED ONLY
by the Cambridge University
MAGNET PROGRAMS at
Clearwater, Dixie Hollins, and
Tarpon Springs High Schools**

Q* Pre-AICE Music	
Course #	1300430
Grade Level	9-10
Length	1 year
Prerequisite	Acceptance into PRE-AICE
Credit	1
<p>When studying the IGCSE Music syllabus, students will listen to, perform and compose music, encouraging aesthetic and emotional development, self-discipline and, importantly, creativity. As a result, students enhance their appreciation and enjoyment of music, an achievement that forms an ideal foundation for future study and enhances life-long musical enjoyment. Students study music of all styles; each style is placed in its historical and cultural context, and students are encouraged to be perceptive, sensitive and critical when listening. Although the majority of the syllabus examines Western European music, the music of other</p>	

2013-2014 PEER COUNSELING

Peer Counseling I	
Course #	14003000
Grade Level	9-12
Length	1 semester
Prerequisite	None
Credit	1/2
<p>The purpose of this course is to provide students with an understanding of the elements of communications and group processes. The content should include, but not be limited to, listening skills; questioning skills; feedback and paraphrasing skills; nonverbal communication skills; nonjudgmental response skills; and group cohesiveness.</p>	

Peer Counseling II	
Course #	14003100
Grade Level	9-12
Length	1 semester
Prerequisite	None
Credit	1/2
<p>The purpose of this course is to provide an understanding of the components of personal development and to facilitate personal and group growth and fulfillment through individual and group processes. The content should include, but not be limited to, knowledge of self and others; decision making; problem-solving techniques; family relationships; peer pressure; individual responsibility; goal setting (long and short range; and development of a positive attitude toward self, school, and community.</p>	

Peer Counseling III	
Course #	14003200
Grade Level	9-12
Length	1 semester
Prerequisite	None
Credit	1/2
<p>The purpose of this course is to provide instruction in the development and implementation of small and large-group presentations on the concerns of youth. The content should include, but not be limited to, techniques of conducting needs assessment; research skills; program planning; identifying target populations; identifying school and community resources; coordinating program delivery with school</p>	

<p>personnel and community agencies; and evaluating program effectiveness.</p>
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Peer Counseling IV	
Course #	14003300
Grade Level	9-12
Length	1 semester
Prerequisite	None
Credit	1/2
<p>The purpose of this course is to provide students with varied experiences in program continuity and development. The content should include, but not be limited to, refining understanding acquired in previous peer courses; various intervention strategies; and facilitative strategies.</p>	


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Student who entered 9th grade prior to 2007-2008 are required to earn a half credit in Personal Fitness and a half credit in a physical education activity course. Marching band, JROTC, and interscholastic sports waivers may be applied to part or all of this requirement for qualifying students.

Students entering 9th grade in 2007-2008 and after are no longer required to complete the personal fitness and/or the PE activity course requirements. They will be required to complete a new one-credit physical education course. See the HOPE course below. (NOTE: The marching band waiver will not apply to this PE requirement. Students may obtain an athletic waiver or JROTC waiver by meeting specific criteria shown in Board Policy 5.13.

REQUIRED 10TH GRADE COURSE
Students who entered 9th grade prior to 2007-2008 are required to earn a half credit in Personal Fitness and a half credit in a physical education activity course.

*Personal Fitness	
Course #	15013000
Grade Level	10
Length	1 semester
Prerequisite	None
Credit	1/2
<p>The purpose of this course is to provide students with opportunities to develop an individual optimal level of physical fitness, acquire knowledge of physical fitness concepts, and acquire knowledge of the significance of lifestyles on one's health and fitness. The content will include: knowledge of the importance of physical fitness, assessment of the health related components of physical fitness, knowledge of health problems associated with inadequate fitness levels, knowledge and application of biomechanical and physiological principles to improve and maintain the health related components of physical fitness, knowledge of safety practices associated with physical fitness, knowledge of psychological values of physical fitness including stress management, knowledge of sound nutritional practices related to physical fitness, and knowledge of consumer issues related to physical fitness.</p>	

 Health Opportunities through Physical Education (HOPE)	
Course #	3026010
Grade Level	9-12
Length	1 year
Prerequisite	None
Credit	1
<p>The purpose of this course is to develop and enhance healthy behaviors that influence lifestyle choices and student health and fitness. Students will alternate between learning principals and background information in a classroom setting and applying that knowledge during physically activity. Content to include: Understand the impact of personal health behaviors on body systems. Develop and implement an individual nutrition and wellness plan. Demonstrate knowledge of depression, suicide prevention, and stress management skills. Apply knowledge and skills for safety, injury and disease prevention. Utilize technology to facilitate health and personal fitness. Apply effective communication skills to enhance interpersonal relationships, refusal skills and decision making to promote teamwork, sportsmanship, and cultural diversity. Demonstrate the ability to make positive decisions regarding wellness. Advocate for personal, family and/or community health and fitness promotion. Analyze the influence of culture, media, technology, and other factors on health.</p>	

*Aerobics 1	
Course #	15034000
Grade Level	9-12
Length	1 semester
Prerequisite	None
Credit	1/2
<p>The purpose of this course is to provide students with opportunities to develop an individual optimal level of cardiovascular fitness, acquire knowledge of cardiovascular fitness concepts, and acquire knowledge of the significance of cardiovascular fitness on one's health. The content will include, but not be limited to, knowledge of the importance of cardiovascular fitness, assessment of cardiovascular</p>	

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fitness, knowledge of health problems associated with inadequate cardiovascular and respiratory systems, knowledge and application of biomechanical and physiological principles to improve and maintain cardiovascular fitness, knowledge of psychological values of cardiovascular fitness including stress management, knowledge of consumer issues related to aerobic activities, and knowledge of safety practices related to aerobic activities.

designing, implementing, and evaluating a personal fitness program, and develop an individual optimal level of physical fitness. The content should include, but not be limited to, assessment of the health related components of physical fitness, further development of knowledge and application of physical fitness concepts, knowledge of designing, implementing, and evaluating a personal fitness program, knowledge of safety practices, and knowledge of consumer issues related to personal fitness programs. The design, implementation, and evaluation of an ongoing personal fitness program should be stressed.

*Aerobics 2	
Course #	15034100
Grade Level	9-12
Length	1 semester
Prerequisite	Beg. Aerobics
Credit	1/2
The purpose of this course is to provide students with opportunities to extend the acquisition of knowledge and the development of skills in aerobic activities that may be used in physical fitness pursuits today as well as in later life, and continue to develop an individual optimal level of cardiovascular fitness.	

*Comprehensive Fitness	
Course #	15013900
Grade Level	9-12
Length	1 semester
Prerequisite	None
Credit	1/2
The purpose of this course is to provide students with opportunities to acquire knowledge and concepts of all aspects of fitness and to increase their total fitness level. The content shall include: concepts of muscular strength and endurance, cardiovascular fitness, body composition and flexibility; safety factors related to these areas; development of a program of total fitness; knowledge of hypokinetic diseases; and knowledge of myths associated with fitness and conditioning.	

*Aerobics 3	
Course #	15034200
Grade Level	10-12
Length	1 semester
Prerequisite	Inter. Aerobics
Credit	1/2
The purpose of this course is to provide students with further opportunities to develop an individual optimal level of cardiovascular fitness, acquire knowledge of cardiovascular fitness concepts, and acquire knowledge of the significance of cardiovascular fitness on one's health.	

*Fitness Issues for Adolescence	
Course #	15013200
Grade Level	11-12
Length	1 semester
Prerequisite	Personal Fitness
Credit	1/2
The purpose of this course is to provide students with opportunities to extend the acquisition of knowledge of physical fitness concepts, acquire knowledge of selected adolescent issues related to physical fitness and grooming, and improve their levels of physical fitness. The content should include, but not be limited to, further development of knowledge and application of physical fitness concepts and principles, participation in a variety of lifelong physical activities that assess and promote the health-related	

*Fitness Lifestyle Design	
Course #	15013100
Grade Level	10-12
Length	1 semester
Prerequisite	Personal Fitness
Credit	1/2
The purpose of this course is to provide students with opportunities to extend the acquisition of knowledge of physical fitness concepts, acquire knowledge of	

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components of fitness, knowledge of safety practices, and knowledge of a variety of adolescent issues related to physical fitness and grooming.

*Golf 1	
Course #	15044000
Grade Level	9-12
Length	1 semester
Prerequisite	None
Credit	1/2
<p>The purpose of this course is to provide students with opportunities to acquire knowledge and skills in golf that may be used in recreational pursuits today as well as in later life and maintain and/or improve their personal fitness. The content should include, but not be limited to, in depth knowledge and application of the use of the putter, short and long irons, and woods, techniques, rules, etiquette, and safety practices necessary to participate in golf. Skill acquisition and the maintenance and/or improvement of personal fitness should be stressed.</p>	

*Golf 2	
Course #	15044100
Grade Level	9-12
Length	1 semester
Prerequisite	Beginning Golf
Credit	1/2
<p>The purpose of this course is to provide students with opportunities to extend the acquisition of knowledge and the development of skills introduced in Beginning Golf that may be used in recreational pursuits today as well as in later life and maintain and/or improve their personal fitness. The content should include, but not be limited to, further development of the basic golf skills, knowledge of skills used in uphill and downhill lies, sand trap shots, rough play, play of unusual lies, strategies of play, and knowledge of the organization and administration of golf tournaments. Skill acquisition, strategies of play, and the maintenance and/or improvement of personal fitness should be stressed.</p>	

*Gymnastics 1	
Course #	15023000
Grade Level	9-12
Length	1 semester
Prerequisite	None
Credit	1/2
<p>The purpose of this course is to provide students with opportunities to acquire basic knowledge and skills in gymnastics, and maintain and/or improve their personal fitness. The content should include, but not be limited to, in depth knowledge and application of basic skills, techniques, dance elements, rules and safety practices necessary to participate in gymnastics, culminating in routines choreographed by students and teachers. Acquisition of tumbling skills and the maintenance and/or improvement of personal fitness should be stressed.</p>	

*Gymnastics 2	
Course #	15023100
Grade Level	9-12
Length	1 semester
Prerequisite	Gymnastics 1
Credit	1/2
<p>The purpose of this course is to provide students with opportunities to extend the acquisition of knowledge and the development of skills introduced in beginning gymnastics and maintains and/or improves their personal fitness. The content should include, but not be limited to, further development of knowledge and application of skills, techniques, and dance elements culminating in compulsory routines and optional routines choreographed by students. Skill acquisition of compulsory routines on both the floor and apparatus, and the maintenance and/or improvement of personal fitness should be stressed.</p>	

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Dual Sports I shall not be repeated in Individual and Dual Sports II or III. Strategies of individual and sports play, skill acquisition, and the maintenance and/or improvement of personal fitness should be stressed.

*Gymnastics 3	
Course #	15023200
Grade Level	10-12
Length	1 semester
Prerequisite	Gymnastics 2
Credit	1/2
<p>The purpose of this course is to provide students with opportunities to extend the acquisition of knowledge and the development of skills introduced in intermediate gymnastics and maintain and/or improve their personal fitness. The content should include, but not be limited to, further development of knowledge and application of skills, techniques, and dance elements, culminating in compulsory routines and optional routines choreographed by students and knowledge of the organization and administration of gymnastics meets. Skill acquisition of optional routines choreographed by students on the floor and apparatus, and the maintenance and/or improvement of personal fitness should be stressed.</p>	

*Individual & Dual Sports II	
Course #	15024200
Grade Level	9-12
Length	1 semester
Prerequisite	None
Credit	1/2
<p>The purpose of this course is to provide students with opportunities to acquire knowledge of strategies of individual and dual sports play, develop skills in selected individual and dual sports, and maintain and/or improve their personal fitness. The content should include, but not be limited to, knowledge and application of skills, techniques, strategies, rules, and safety practices necessary to participate in selected individual and dual sports. Individual and dual sports selected may include, but not be limited to, archery, badminton, bowling, golf, Ind. & Dual gymnastics, handball, paddleball, racquetball, skating, swimming, table tennis, and tennis. Activities selected in Individual and Dual Sports II shall not be repeated in Individual and Dual Sports I or III. Strategies of individual and dual sports play, skill acquisition, and the maintenance and/or improvement of personal fitness should be stressed.</p>	

*Individual & Dual Sports I	
Course #	15024100
Grade Level	9-12
Length	1 semester
Prerequisite	None
Credit	1/2
<p>The purpose of this course is to provide students with opportunities to acquire knowledge of strategies of individual and dual sports play, develop skills in selected individual and dual sports, and maintain and/or improve their personal fitness. The content should include, but not be limited to, knowledge and application of skills, techniques, strategies, rules, and safety practices necessary to participate in selected individual and dual sports. Individual and dual sports selected may include, but not be limited to, archery, badminton, bowling, golf, gymnastics, handball, paddleball, racquetball, skating, swimming, table tennis and tennis. Activities selected in Individual and</p>	

*Individual & Dual Sports III	
Course #	15024300
Grade Level	9-12
Length	1 semester
Prerequisite	None
Credit	1/2
<p>The purpose of this course is to provide students with opportunities to acquire knowledge of strategies of individual and dual sports play, develop skills in selected individual and dual sports, and maintain and/or improve their personal fitness. The content should include, but not be limited to, knowledge and application of skills, techniques, strategies, rules, and safety practices necessary to participate in selected</p>	

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individual and dual sports. Individual and dual sports selected may include, but not be limited to, archery, badminton, bowling, golf, gymnastics, handball, paddleball, racquetball, skating, swimming, table tennis, and tennis. Sports selected in Individual and Dual Sports III shall not be repeated in Individual and Dual Sports I and II. Strategies of individual and dual sports play, skill acquisition, and the maintenance and/or improvement of personal fitness shall be stressed.

*Outdoor Education

Course #	15024800
Grade Level	9-12
Length	1 semester
Prerequisite	None
Credit	1/2

The purpose of this course is to provide students with opportunities to acquire knowledge and skills in a variety of outdoor education activities that may be used in recreational pursuits today as well as in later life and maintain and/or improve their personal fitness. The content should include, but not be limited to, knowledge and application of skills, techniques, rules, and safety practices necessary to participate in selected outdoor education activities. Outdoor education activities selected may include, but not be limited to, camping, canoeing, small craft, hiking, backpacking, orienteering, hunting, firearm safety, angling, and cycling. Skill acquisition and the maintenance and/or improvement of personal fitness should be stressed.

*Paddleball/Racquetball/Handball

Course #	15024000
Grade Level	9-12
Length	1 semester
Prerequisite	None
Credit	1/2

The purpose of this course is to provide students with opportunities to acquire knowledge and skills in paddleball/racquetball/handball that may be used in recreational pursuits today as well as in later life and maintain and/or improve their personal fitness. This course expands and refines concepts and activities that were introduced in elementary and middle school. The content should include, but not be limited to, in depth knowledge and application of skills,

techniques, strategies, rules, and safety practices necessary to participate in paddleball, racquetball, and handball tournaments. Strategies of individual and dual play, skill acquisition, and the maintenance and/or improvement of personal fitness should be stressed.

*Racquetball 1

Course #	15054300
Grade Level	10-12
Length	1 semester
Prerequisite	None
Credit	1/2

The purpose of this course is to acquire knowledge and skills in racquetball that may be used in current and future recreational pursuits, and maintain and/or improve personal fitness. Skill acquisition and the maintenance and/or improvement of fitness will be stressed.

*Recreational Activities

Course #	15024700
Grade Level	9-12
Length	1 semester
Prerequisite	None
Credit	1/2

The purpose of this course is to provide students with opportunities to acquire knowledge and skills in a variety of recreational activities that may be used in recreational pursuits today as well as in later life and maintain and/or improve their personal fitness. The content should include, but not be limited to, knowledge and application of skills, techniques, strategies, rules, and safety practices necessary to participate in selected recreational activities. Recreational activities selected may include, but not be limited to, skish, horseshoes, shuffleboard, gym bowling, deck tennis, darts, croquet, and Frisbee activities. Skill acquisition and the maintenance and/or improvement of personal fitness should be stressed.

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*Self-Defense Activities	
Course #	15024600
Grade Level	9-12
Length	1 semester
Prerequisite	None
Credit	1/2
<p>The purpose of this course is to provide students with opportunities to acquire knowledge and skills in a variety of self-defense methods that may be used for personal protection today as well as in adult life and maintain and/or improve their personal fitness. The content should include, but not be limited to, an in depth knowledge and application of the skills, techniques, strategies, and safety practices necessary to perform methods of self-defense. Skill acquisition and the maintenance and/or improvement of personal fitness should be stressed.</p>	

*Soccer	
Course #	15033200
Grade Level	9-12
Length	1 semester
Prerequisite	None
Credit	1/2
<p>The purpose of this course is to provide students with opportunities to acquire knowledge and skills in soccer for use in recreational pursuits and maintain and/or improve their personal fitness. This course expands and refines concepts and activities that were introduced in elementary and middle school. The content should include, but not be limited to, in depth knowledge and application of skills, techniques, strategies, rules, and safety practices necessary to participate in soccer, and knowledge of the organization and administration of soccer games. Strategies of team play, skill acquisition, and the maintenance and/or improvement of personal fitness should be stressed.</p>	

*Softball	
Course #	15033300
Grade Level	9-12
Length	1 semester
Prerequisite	None
Credit	1/2

<p>The purpose of this course is to provide students with opportunities to acquire knowledge and skills in softball that may be used in recreational pursuits today as well as in later life and maintain and/or improve their personal fitness. This course expands and refines concepts and activities that were introduced in elementary and middle school. The content should include, but not be limited to, knowledge and application of skills, techniques, strategies, rules, and safety practices necessary to participate in softball, and knowledge of the organization and administration of softball games. Strategies of team play, skill acquisition, and the maintenance and/or improvement of personal fitness should be stressed.</p>	
*Swimming 1	
Course #	15044600
Grade Level	9-12
Length	1 semester
Prerequisite	None
Credit	1/2
<p>The purpose of this course is to provide students with opportunities to acquire knowledge and skills in basic swimming strokes and safety practices that may be used in recreational pursuits today as well as in later life and maintain and/or improve their personal fitness. The content should include, but not be limited to, knowledge and application of body position, buoyancy, relaxation, breath control, coordination related to the basic swimming strokes, safety practices, basic survival skills, and skill acquisition. The maintenance and/or improvement of personal fitness should be stressed.</p>	

*Swimming 2	
Course #	15044700
Grade Level	9-12
Length	1 semester
Prerequisite	None
Credit	1/2
<p>The purpose of this course is to provide students with opportunities to extend the acquisition of knowledge and the development of skills in swimming that may be used in recreational pursuits and maintain and/or improve their personal fitness. The content should include, but not be limited to, further development of the basic swimming strokes, development of the</p>	

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advanced swimming strokes, knowledge of safety practices, and knowledge of the organization and administration of swimming activities. Skill acquisition and the maintenance and/or improvement of personal fitness should be stressed.

fitness. The content should include, but not be limited to, knowledge and application of skills, techniques, strategies, rules, and safety practices necessary to participate in selected team sports. Team sports selected may include, but not be limited to, basketball, flag football, flicker ball, gatorball, soccer, softball, speedball, track and field, and volleyball. Activities selected in Team Sports I shall not be repeated in Team Sports II. Strategies of team sports play, skill acquisition, and maintenance and/or improvement of personal fitness should be stressed.

*Water Safety	
Course #	15044900
Grade Level	9-12
Length	1 semester
Prerequisite	Intermediate Swimming
Credit	1/2
<p>The purpose of this course is to provide students with opportunities to acquire knowledge and skills in water safety activities and maintain and/or improve their personal fitness. The content should include, but not be limited to, knowledge and application of personal water safety skills; swimming, non-swimming, and equipment rescues; artificial respiration; boating safety and rescue; swimming skills for basic rescues; mask, fin, and snorkel techniques; survival swimming; locating submerged victims; defense and release methods; use of backboard; shallow water carries and assists; and the responsibilities of a lifeguard. Skill acquisition and the maintenance and/or improvement of personal fitness should be stressed.</p>	

*Team Sports II	
Course #	15033600
Grade Level	9-12
Length	1 semester
Prerequisite	None
Credit	1/2
<p>The purpose of this course is to provide students with opportunities to acquire knowledge of strategies of team sports play, develop skills in selected team sports, and maintain and/or improve their personal fitness. The content should include, but not be limited to, knowledge and application of skills, techniques, strategies, rules, and safety practices necessary to participate in selected team sports. Team sports selected may include, but not be limited to, basketball, flag football, flicker ball, gatorball, soccer, softball, speedball, track and field, and volleyball. Strategies of team sports play, skill acquisition, and the maintenance and/or improvement of personal fitness should be stressed.</p>	

*Team Sports I	
Course #	15033500
Grade Level	9-12
Length	1 semester
Prerequisite	None
Credit	1/2
<p>The purpose of this course is to provide students with opportunities to acquire knowledge of strategies of team sports play, develop skills in selected team sports, and maintain and/or improve their personal</p>	

*Tennis 1	
Course #	15045000
Grade Level	9-12
Length	1 semester
Prerequisite	None
Credit	1/2
<p>The purpose of this course is to provide students with opportunities to acquire knowledge and skills in tennis that may be used in recreational pursuits today as well</p>	

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as in later life and maintain and/or improve their personal fitness. This course expands and refines concepts and activities that were introduced in elementary and middle school. The content should include, but not be limited to, in depth knowledge and application of the fundamentals of each of the basic strokes, techniques, rules, etiquette, and safety practices necessary to participate in tennis. Skill acquisition and the maintenance and/or improvement of personal fitness should be stressed.

and/or improve their level of personal fitness. The content should include, but not be limited to, continued refinement of basic strokes; advanced strokes; safety practices; singles and doubles strategies; knowledge of the organization and administration of tennis activities; and knowledge of rules and code of conduct.

*Tennis 2	
Course #	15045100
Grade Level	9-12
Length	1 semester
Prerequisite	Tennis 1
Credit	1/2
<p>The purpose of this course is to provide students with opportunities to extend the acquisition of knowledge and the development of skills introduced in beginning tennis that may be used in recreational pursuits today as well as in later life and maintain and/or improve their personal fitness. The content should include, but not be limited to, further development of the tennis strokes, knowledge of strategies in singles and doubles play, and knowledge of the organization and administration of tennis tournaments. Skill acquisition, strategies of singles and doubles play, and the maintenance and/or improvement of personal fitness should be stressed.</p>	

*Track and Field	
Course #	15033000
Grade Level	9-12
Length	1 semester
Prerequisite	None
Credit	1/2
<p>The purpose of this course is to provide students with opportunities to acquire knowledge and skills in a variety of track and field activities and maintain and/or improve their personal fitness. This course expands and refines concepts and activities that were introduced in elementary and middle school. The content should include, but not be limited to, in depth knowledge and application of skills, techniques, strategies, rules, and safety practices necessary to participate in track and field activities, and knowledge of the organization and administration of track and field meets. Skill acquisition and the maintenance and/or improvement of personal fitness should be stressed.</p>	

*Tennis 3	
Course #	15045200
Grade Level	9-12
Length	1 semester
Prerequisite	Tennis 2
Credit	1/2
<p>The purpose of this course is to provide students with opportunities to extend the acquisition of knowledge and the development of skills in tennis and to maintain</p>	

*Volleyball 1	
Course #	15055000
Grade Level	9-12
Length	1 semester
Prerequisite	None
Credit	1/2

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The purpose of this course is to enable students to acquire basic knowledge and skills in volleyball and to maintain or improve health-related fitness. Students will demonstrate awareness of: safety practices, rules and terminology, biomechanical and physiological principles related to exercise and training, potential benefits derived from participation in volleyball. In addition, students will demonstrate the use of skills and techniques and exhibit an improved level of skill.

biomechanical and physiological principles, techniques and strategies, sportsmanship, fitness activities, fitness assessment, officiating, organization and administration of volleyball activities, consumer issues and the benefits of participation.

*Sports Officiating	
Course #	1502500
Grade Level	9-12
Length	1 semester
Prerequisite	None
Credit	1/2

The purpose of this course is to acquire knowledge of sports rules and regulations, develop skill in officiating selected sports, and maintain or improve health-related fitness. The content should include, but not be limited to, safety practices, assessment of health related fitness, sports rules and regulations, techniques, mechanics, and consumer issues. This is not an interscholastic extracurricular activity. Sports officiating may include, but not be limited to, basketball, baseball, softball, football, volleyball, swimming, track and field, soccer and wrestling.

*Volleyball 2	
Course #	15055100
Grade Level	9-12
Length	1 semester
Prerequisite	Volleyball 1
Credit	1/2

The purpose of this course is to provide students with opportunities to extend the acquisition of knowledge and the development of skills introduced in Beginning Volleyball that may be used in recreational pursuits today as well as in later life and maintain and/or improve their personal fitness. The content will be increasing those strategies, techniques, skills, and knowledge learned in Beginning Volleyball.

*Weight Training 1	
Course #	15013400
Grade Level	9-12
Length	1 semester
Prerequisite	None
Credit	1/2

The purpose of this course is to provide students with opportunities to acquire basic knowledge and skills in weight training that may be used in physical fitness pursuits today as well as in later life, improve muscular strength and endurance, and enhance body image. The content should include, but not be limited to, knowledge of the importance of muscular strength and endurance, assessment of muscular strength and endurance, knowledge of health problems associated with inadequate levels of muscular strength and endurance, knowledge of skeletal muscles, knowledge and application of biomechanical and physiological principles to improve and maintain muscular strength and endurance, knowledge of sound nutritional practices related to weight training, knowledge of safety practices related to weight training, and

*Volleyball 3	
Course #	15055200
Grade Level	9-12
Length	1 semester
Prerequisite	Volleyball 2
Credit	1/2

The purpose of this course is to allow students to continue to improve the skills developed in beginning and intermediate volleyball. The content will increase strategies in safety, rules and terminology, history,

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knowledge of consumer issues related to weight training.

***Weight Training 2**

Course #	15013500
Grade Level	9-12
Length	1 semester
Prerequisite	Weight Training 1
Credit	1

The purpose of this course is to provide students with opportunities to extend the acquisition of knowledge and the development of skills in weight training that may be used in physical fitness pursuits today as well as in later life, further improve muscular strength and endurance, and further enhance body image. The content should include, but not be limited to, reinforcement of basic weight training knowledge, knowledge of safety practices, expansion of weight training programs by incorporating new Intermediate Weight exercises, increasing resistance, and modifying the number of sets and repetitions, knowledge of various weight training theories, knowledge of various equipment available in the field to develop muscular strength and endurance, and knowledge of designing, implementing and evaluating a personal weight training program.

***Weight Training 3**

Course #	15013600
Grade Level	9-12
Length	1 semester
Prerequisite	Wgt. Training 2
Credit	1/2

The purpose of this course is to provide students with opportunities to extend the acquisition of knowledge and the development of skills introduced in intermediate weight training, further improve muscular strength and endurance, and further enhance body image. The content should include, but not be limited to, reinforcement of the knowledge introduced in beginning/intermediate weight training, application of knowledge to design and implement a personal weight training program to meet specific needs and goals, and knowledge of the organization/administration of weight lifting competition.

***Power Weight Lifting 1**

Course #	1501410
Grade Level	11-12
Length	1 semester
Prerequisite	Weight Training 3
Credit	1/2

The purpose of this course is to enable students to acquire basic knowledge and skills in power weight training and to improve health-related fitness. The content should include, but is not limited to, safety practices, history, rules and terminology, techniques and strategies, biomechanical and physiological principles, fitness assessment, consumer issues and benefits of participation.

***Wrestling 1**

Course #	15055500
Grade Level	10-12
Length	1 semester
Prerequisite	None
Credit	1/2

The purpose of this course is to: (a) acquire knowledge and skills in wrestling, and (b) maintain and/or improve health-related fitness.

***Wrestling 2**

Course #	15055600
Grade Level	10-12
Length	1 semester
Prerequisite	None
Credit	1/2

The purpose of this course is to: (a) extend the knowledge and the development of skills in wrestling, and (b) maintain and/or improve health-related fitness.

***Basketball**

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Course #	15033100
Grade Level	9-12
Length	1 semester
Prerequisite	None
Credit	1/2

The purpose of this course is to provide students with opportunities to acquire knowledge and skills in basketball that may be used in recreational pursuits today as well as in later life, and to maintain and/or improve their personal fitness. This course expands and refines concepts and activities introduced in elementary and middle school. The content should include, but not be limited to, in depth knowledge and application of skills, techniques, strategies, rules and safety practices necessary to participate in basketball, and knowledge of the organization and administration of basketball games. Strategies of team play, skill acquisition, and the maintenance and/or improvement of personal fitness should be stressed.

Grade Level	9
Length	1 semester
Prerequisite	None
Credit	1/2

The purpose of this course is to meet student needs identified in the IEP. The content should include and be limited to the goals and objectives contained in the student's IEP. All instruction, evaluation, and assessment shall be consistent with directives contained in P.L. 94-142, P.L. 93-112, and the Office of Special Education Policy Clarification paper relative to the provision of physical education to exceptional students.

*Adaptive Individual Sports	
Course #	15003100
Grade Level	10
Length	1 semester
Prerequisite	None
Credit	1/2

The purpose of this course is to provide students with handicapping conditions with opportunities to acquire knowledge of sports appropriate to their level of disability, develop skills in a variety of individual sports, and maintain and/or improve their personal fitness. The content should include, but not be limited to, knowledge of consumer issues related to individual sports for disabled persons, knowledge of the classification system applicable to the individual's specific disability, and knowledge of safety practices. Opportunities should be provided to participate and develop basic skills in a variety of individual sports.

*Care and Prevention of Athletic Injuries	
Course #	15024900
Grade Level	10-12
Length	1 semester
Prerequisite	None
Credit	1/2

The purpose of this course is to provide students with opportunities to acquire knowledge and skill relating to the nature, prevention, care and rehabilitation of athletic injuries that may be used in recreational pursuits today as well as in later life. The content should include knowledge of injury prevention, identification, management, and rehabilitation, knowledge of anatomy and physiology as related to athletic injuries and knowledge of conditioning methods.

*Adaptive Team Sports	
Course #	15003200
Grade Level	9
Length	1 semester
Prerequisite	None
Credit	1/2

The purpose of this course is to provide students with handicapping conditions with opportunities to acquire knowledge of sports appropriate to their level of disability, develop skills in a variety of team sports and maintain and/or improve their personal fitness. The content should include knowledge of the classification system applicable to individual's specific disability,

FOR ESE STUDENTS WITH AN IEP

*Adaptive PE-IEP	
Course #	15003000

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and knowledge of safety practices. Opportunities will be provided to participate and develop basic skills in a variety of team sports.

compatible with the individual student's level of disability.

*Adaptive Recreational Sports

Course #	15003300
Grade Level	10
Length	1 semester
Prerequisite	None
Credit	1/2


The purpose of this course is to provide students with handicapping conditions with opportunities to acquire knowledge and skills in a variety of recreational activities that may be used outside the school setting with other disabled persons or with family and non-disabled peers, and maintain and/or improve their personal fitness. The content should include, but not be limited to, knowledge of the difference in active and passive pursuits, knowledge of the values of recreation to social development, knowledge of psychological values of recreational activities including stress management, knowledge of consumer issues related to recreational activities, and knowledge of safety practices.

*Adaptive Aquatics

Course #	15003400
Grade Level	9-12
Length	1 semester
Prerequisite	None
Credit	1/2

The purpose of this course is to provide those exceptional students whose level of disability requires special assistance to insure safe instruction in the water with opportunities to participate in swimming activities, acquire knowledge of individual accommodations required to function safely in a water environment, and maintain and/or improve their personal fitness. The content should include, but not be limited to, knowledge and application of water entry techniques, knowledge and application of appropriate personal flotation devices, and knowledge of water safety techniques applicable to the specific handicapping condition culminating in an introduction to competitive swimming programs

Explanation of Symbols

Symbol	Explanation
*	Course meets Physical Education graduation requirement except for students entering high school prior to 2007-2008.
	<p>The virtual symbol indicates this course is available in a Pinellas County School virtual learning environment.</p> <p>All Pinellas Virtual School (PVS) courses are aligned with the Next Generation Sunshine State Standards (NGSSS) and in the Board approved MS and HS Course Code Directories.</p>

2012-2013 PUBLIC SERVICE OCCUPATIONS EDUCATION

1-24-13

Please note: These courses are offered only at the Criminal Justice Academy at Pinellas Park High School.

Criminal Justice Operations 1	
Course #	89180101,2
Grade Level	9
Length	1 year
Prerequisite	None
Credit	1

This course is designed to introduce students to the fields of law enforcement, the court system, and the correctional system. The content includes career opportunities in these fields, court system, correctional system, interpersonal and communication skills, and employability skills.

Criminal Justice Operations 2	
Course #	89180201,2
Grade Level	10
Length	1 year
Prerequisite	Criminal Justice Operations 1
Credit	1

This course is designed to develop competencies in patrol, traffic control, defensive tactics and physical proficiency skills, and first aid and cardiopulmonary resuscitation skills.

Q Criminal Justice Operations 3	
Course #	89180301,2
Grade Level	11
Length	1 year
Prerequisite	Criminal Justice Operations 2
Credit	1

This course is designed to develop competencies in crime and accident investigation procedures, forensic science tasks, crime prevention, and property control procedures.

Q Criminal Justice Operations 4	
Course #	89180401,2
Grade Level	12
Length	1 year
Prerequisite	Criminal Justice Operations 3
Credit	1

Law, Public Safety and Security Education - OJT	
Course #	89004101,2
Grade Level	12
Length	1 year
Prerequisite	Concurrent enrollment in the Criminal Justice Academy and in the 12th grade. Must have a cumulative GPA of 2.0
Credit	Multiple Credits

The purpose of this course is to provide the on-the-job training component when the cooperative method of instruction is appropriate. Whenever the cooperative method is offered, the following is required for each student: a training agreement; a training plan signed by the student, teacher and employer, including instructional objectives; a list of on-the-job and in-school learning experiences; a workstation which reflects equipment, skills and tasks which are relevant to the occupation which the student has chosen as a career goal; and a site supervisor with a working knowledge of the selected occupation. The workstation may be in an industry setting or in a virtual learning environment. The student must be compensated for work performed.

Principles of Public Service	
Course #	89003301,2
Grade Level	9-12
Length	1 year
Prerequisite	None
Credit	1

The purpose of this course is to provide students with competencies related to a cluster of public service job preparatory programs and to help students develop skills, knowledge and attitudes necessary for success and advancement in a specialized public service job preparatory program.

2012-2013 PUBLIC SERVICE OCCUPATIONS EDUCATION

1-24-13

Law, Public Safety and Security Cooperative Education Directed Study	
Course #	89001001,2
Grade Level	12
Length	1 year
Prerequisite	Criminal Justice Operations 1, 2, 3, 4
Credit	Multiple Credits
<p>This course provides the student with additional competencies in the Criminal Justice program and will enhance their opportunities for employment in the criminal justice field. The content is prescribed by the instructor based upon the individual student's assessed needs for directed study.</p>	

Q Emergency Planning and Response 1	
Course #	8602010
Grade Level	9
Length	1 year
Prerequisite	None
Credit	1
<p>This course is designed to develop competencies in first responder situations such as basic emergency planning, concepts of public safety, communication skills, computer literacy, and career-related math.</p>	

Q Emergency Planning and Response 2	
Course #	86020200
Grade Level	10
Length	1 year
Prerequisite	Emergency Planning and Response 1
Credit	1
<p>This course is designed to develop an understanding of the National Response Plan, the National Incident Management System, critical infrastructure protection process, law and ethics for first responders, communications, and first aid.</p>	

Q Emergency Planning and Response 3	
Course #	86020300
Grade Level	11
Length	1 year
Prerequisite	Emergency Planning and Response 2
Credit	1

<p>This course is designed to develop leadership skills in emergency management, knowledge of search and rescue techniques, dealing with terrorism, and firefighting.</p>

Q Emergency Planning and Response 4	
Course #	8602040
Grade Level	12
Length	1 year
Prerequisite	Emergency Planning and Response 3
Credit	1
<p>This course is designed to develop competencies in employability skills, understanding public policy and regulatory issues, the psychological impacts of dealing with death and injuries, and understanding of human diversity. The student will develop and produce a capstone project based on an extensive research activity in emergency planning and response and also plan participate in mock disasters.</p>	

Fire Fighting (Program 8918200)	
Courses must be taken in the sequence listed below	
<p>This program is designed to provide an introduction to a career of Fire Science that can lead to employment, after further instruction, to a career as a fire fighter or other disciplines in the Fire Science realm.</p>	
Fire Fighting 1	
Course #	8918210
Grade Level	9-10
Length	1 year
Prerequisite	None
Credit	1

Fire Fighting 2	
Course #	8918220
Grade Level	10-11
Length	1 year
Prerequisite	Fire Fighting 2
Credit	1

Q Fire Fighting 3	
Course #	8918230
Grade Level	11-12

2012-2013 PUBLIC SERVICE OCCUPATIONS EDUCATION

1-24-13

Length	1 year
Prerequisite	Fire Fighting 2
Credit	1
Government and Public Administration Cooperative Education OJT	
Course #	8601420
Grade Level	9-12
Length	1 semester
Prerequisite	Each student job placement must be related to the job preparatory program in which the student is enrolled or has completed.
Credit	Multiple
<p>The purpose of this course is to provide the on-the-job training component when the cooperative method of instruction is appropriate. Whenever the cooperative method is offered, the following is required for each student: a training agreement; a training plan signed by the student, teacher and employer, including instructional objectives; a list of on-the-job and in-school learning experiences; a workstation which reflects equipment, skills and tasks which are relevant to the occupation which the student has chosen as a career goal; and a site supervisor with a working knowledge of the selected occupation. The workstation may be in an industry setting or in a virtual learning environment. The student must be compensated for work performed.</p>	

Explanation of Symbols	
Symbol	Explanation
*	Practical Arts Courses meet the Arts High School Graduation Requirement for students who entered their first year of high school in the 2007-2008 school year and subsequent years due to the statutory changes in the revised high school graduation section of the statute.

Government and Public Administration Directed Study	
Course #	8603000
Grade Level	11-12
Length	1 year
Prerequisite	May be taken only by a student who has completed or is currently completing a specific secondary job preparatory program additional study in this career cluster.
Credit	Multiple
<p>The purpose of this course is to provide students with learning opportunities in a prescribed program of study within the field of Government and Public Administration that will enhance opportunities for employment in the career field chosen by the student.</p>	

2013-2014 RESEARCH AND CRITICAL THINKING

Research I	
Course #	17003001, 2
Grade Level	9-12
Length	1 semester or 1 year
Prerequisite	None
Credit	1/2 credit or 1 credit
<p>The purpose of this course is to enable students to develop fundamental knowledge of the steps in the research process. The content includes, but is not limited to, the nature and purpose of research, research questions and hypotheses, review of literature and other resources, research methods and procedures, report formats, styles, and content, directed investigations, and critical analysis of research.</p>	

Research II	
Course #	17003101, 2
Grade Level	9-12
Length	1 semester or 1 year
Prerequisite	Research I
Credit	1/2 credit or 1 credit
<p>The purpose of this course is to enable students to develop basic knowledge and skills in the research process with emphasis on determining and refining research questions. The content includes, but is not limited to, the research process, research topics, research questions and hypotheses, definition, analysis, and evaluation of research questions, review of literature and other resources, formulation of hypotheses, report formats, styles, and content, directed investigations, and critical analysis of research.</p>	

Research III	
Course #	17003201, 2
Grade Level	9-12
Length	1 semester or 1 year
Prerequisite	Research II
Credit	1/2 credit or 1 credit
<p>The purpose of this course is to enable students to develop intermediate-level knowledge and skills in the research process with emphasis on locating and using sources of information related to research questions. The content includes, but is not limited to, research process, research questions and hypotheses, review of literature and other resources, primary and secondary sources, organization of information, report formats, styles, and content, investigations, and critical analysis of research.</p>	

Critical Thinking and Study Skills	
Course #	17003700
Grade Level	9-12
Length	1 semester
Prerequisite	None
Credit	1/2
<p>The purpose of this course is to enable students to develop learning strategies, critical-thinking skills, and problem-solving skills to enhance their performance in academic and nonacademic endeavors. The content includes, but is not limited to, learning strategies; strategies for acquiring, storing, and retrieving information; strategies for oral and written communication; time management and organizational skills; critical-thinking operations, processes, and enabling skills; problem-solving skills and strategies; test-taking skills and strategies; and strategies for linking new information with prior knowledge.</p> <p><i>(Please also see Language Arts and Math sections for SAT Prep course descriptions.)</i></p>	

<p>Advancement Via Individual Determination (AVID)</p>

AVID I	
Course #	17003901,2
Grade Level	9th Grade AVID Students
Length	1 year
Prerequisite	None
Credit	1
<p>Advancement Via Individual Determination (AVID) is an elective class that provides academic support for students in the AVID program through curricular and mentoring activities. This course is designed to enable students to develop fundamental skills aligned with current curriculum.</p>	

2013-2014 RESEARCH AND CRITICAL THINKING

AVID II	
Course #	17004001,2
Grade Level	10th Grade AVID Students
Length	1 year
Prerequisite	None
Credit	1
<p>Advancement Via Individual Determination (AVID) is an elective class that provides academic support for students in the AVID program through curricular and mentoring activities. This course is designed to enable students to develop basic skills aligned with current curriculum.</p>	

AVID III	
Course #	17004101,2
Grade Level	11th Grade AVID Students
Length	1 year
Prerequisite	None
Credit	1
<p>Advancement Via Individual Determination (AVID) is an elective class that provides academic support for students in the AVID program through curricular and mentoring activities. This course is designed to enable students to develop intermediate skills aligned with current curriculum.</p>	

AVID IV	
Course #	17004201,2
Grade Level	12th Grade AVID Students
Length	1 year
Prerequisite	None
Credit	1
<p>Advancement Via Individual Determination (AVID) is an elective class that provides academic support for students in the AVID program through curricular and mentoring activities. This course is designed to enable students to develop advanced skills aligned with current curriculum.</p>	

SPECIAL COURSE OFFERED ONLY BY THE IB PROGRAM
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Inquiry Skills - Pre IB	
Course #	17003605
Grade Level	9
Length	1 year
Prerequisite	None
Credit	1
<p>The course is designed to teach students the research, study, and thinking skills necessary for the advanced study they would undertake in the International Baccalaureate Program of the 11th and 12th grades. The course will focus on self-inquiry and study skills development. Students will do work in computer technology and be introduced to the contextual nature of knowledge.</p>	

The following courses are offered only at the Largo High School ExCEL Magnet and for students in the Early College Program

Career Research and Decision Making	
Course #	17003805
Grade Level	9-12
Length	1 semester
Prerequisite	None
Credit	1/2
<p>The purpose of this course is to enable students to make informed career choices and develop the skills needed to successfully plan and apply for college or a job. The content includes, but not be limited to, goal-setting and decision-making processes; self-assessment; sources of career information; occupational fields and educational requirements; postsecondary education and training opportunities; sources of educational financial assistance; and career planning.</p>	

2013-2014 RESEARCH AND CRITICAL THINKING

**SPECIAL COURSES OFFERED ONLY by the
Cambridge University
MAGNET PROGRAMS at
Clearwater, Dixie Hollins, and
Tarpon Springs High Schools**

on - issues of global significance. The Cambridge International AS Level Global Perspectives syllabus is based on skills rather than on specific content. Learners develop research, thinking, reasoning and communication skills by following an approach to analyzing and evaluating arguments and perspectives called the Critical Path. The skills gained through study of Cambridge International AS Level Global Perspectives enable students to meet the demands of twenty first century learning and make a successful transition to study in higher education.

Q* Pre-AICE Global Perspectives	
Course #	17003621,2
Grade Level	9
Length	1 year
Prerequisite	Acceptance into Pre-AICE
Credit	1
<p>The Cambridge IGCSE Global Perspectives course encourages awareness of global problems and offers opportunities to explore possible solutions through cooperation and collaboration. The course is not about getting everybody to think identically; rather it is a matter of opening minds to the great complexity of the world and of human thought, and opening hearts to the diversity of human experience and feeling.</p> <p>Students will have opportunities to acquire and apply a range of skills, including:</p> <ul style="list-style-type: none"> • gathering, synthesizing and communicating information • collaborating with others to achieve a common outcome • analyzing and evaluating planning, processes and outcomes • developing and justifying a line of reasoning 	

Q* AICE Thinking Skills 1	
Course #	1700372
Grade Level	9-12
Length	1 year
Prerequisite	Acceptance into PRE-AICE
Credit	1
<p>Thinking Skills develops a specific set of intellectual skills, independent of subject content, reflecting the need voiced by universities and employers for more mature and sophisticated ways of thinking. The Thinking Skills syllabus also enables students to approach their other subjects with an improved ability to understand analyses and resolve problems. As a result, students will find the course of great benefit when preparing for higher education and for a wide range of careers, including law, scientific research, social science, journalism, medicine, business, accounting and engineering. The Thinking Skills syllabus encourages free and open debate, critical and investigative thinking, and informed and disciplined reasoning.</p>	

Q* AICE Global Perspectives	
Course #	1700364
Grade Level	9-12
Length	1 year
Prerequisite	Acceptance into PRE-AICE
Credit	1
<p>Cambridge International AS Level Global Perspectives prepares learners for positive engagement with our rapidly changing world. Learners broaden their outlook through the critical analysis of - and reflection</p>	

2013-2014 HS SCIENCE COURSES

Updated 2-8-13

Science SB4	
9. What are the science credit requirements for a student who enters grade 9 in 2012-2013?	<p>Three credits to include:</p> <ol style="list-style-type: none"> Two courses with a laboratory component One credit in Biology 1 or a series of courses equivalent to Biology 1 earned by passing the Biology EOC Assessment
10. What are the science credit requirements for a student who enters grade 9 in 2013-2014?	<p>Three credits to include:</p> <ol style="list-style-type: none"> One credit in Biology 1 or a series of courses equivalent to Biology 1 earned by passing the Biology EOC Assessment One credit in Chemistry or Physics or a series of courses equivalent to Chemistry or Physics One credit in a science course equally rigorous to Biology, Chemistry, and Physics
<p><i>Courses <u>not</u> equally rigorous change to elective credit for 9th graders entering 2013 and thereafter.</i></p>	
<p>Possible scenario for advanced students entering 9th grade: student may have taken and passed Bio EOC prior to entering HS. If student passed, student still needs 3 equally rigorous science credits.</p>	

*Integrated Science II	
Course #	20024201,2
Grade Level	9-12
Length	1 year
Prerequisite	Integrated Science I
Credit	1
<p>This course is the second of a three-year sequence featuring the concepts fundamental to physical, biological, and earth/space sciences. Topics such as scientific processes, biological foundations of life, force, energy, electricity, and magnetism are included. Special Note: Integrated Science II will not meet the admission requirement of a four year state university, unless all three levels are completed.</p>	

*Integrated Science III	
Course #	20024401,2
Grade Level	9-12
Length	1 year
Prerequisite	Integrated Science II
Credit	1
<p>This course is the third of a three-year sequence featuring the concepts fundamental to physical, biological, and earth/space sciences. Topics such as scientific processes, atomic structure, relationships of force, motion and energy, biological processes, and geological changes are included. Special Note: Integrated Science will not meet the admission requirement of a four year State university, unless all three levels are completed.</p>	

*Integrated Science I	
Course #	20024001,2
Grade Level	9-12
Length	1 year
Prerequisite	None
Credit	1
<p>This course features the concepts fundamental to physical, biological, and earth/space sciences. Topics such as scientific processes, the earth and solar system, resource management, matter and energy, and human growth and development are included.</p>	

2013-2014 HS SCIENCE COURSES


Updated 2-8-13

Forensic Sciences 1	
Course #	2002480
Grade Level	9-12
Length	1 year
Prerequisite	None
Credit	1
<p>Laboratory investigations that include the use of scientific inquiry, research, measurement, problem solving, laboratory apparatus and technologies, experimental procedures, and safety procedures are an integral part of this course. The National Science Teachers Association (NSTA) recommends that at the high school level, all students should be in the science lab or field, collecting data every week. School laboratory investigations (labs) are defined by the National Research Council (NRC) as an experience in the laboratory, classroom, or the field that provides students with opportunities to interact directly with natural phenomena or with data collected by others using tools, materials, data collection techniques, and models (NRC, 2006, p. 3). Laboratory investigations in the high school classroom should help all students develop a growing understanding of the complexity and ambiguity of empirical work, as well as the skills to calibrate and troubleshoot equipment used to make observations. Learners should understand measurement error; and have the skills to aggregate, interpret, and present the resulting data (National Research Council, 2006, p.77; NSTA, 2007).</p>	
Special Notes: Instructional Practices	
1.	Ensuring wide reading from complex text that varies in length.
2.	Making close reading and rereading of texts central to lessons.
3.	Emphasizing text-specific complex questions, and cognitively complex tasks, reinforce focus on the text and cultivate independence.
4.	Emphasizing students supporting answers based upon evidence from the text.
5.	Providing extensive research and writing opportunities (claims and evidence).


Q Experimental Science 1 (EXP SCI 1 HON)	
Course #	200234001,2
Grade Level	9-12
Length	1 year Elective Credit
Prerequisite	None
Credit	1
Note	<i>This course should be paired with AP Environmental Science.</i>
<p>In addition to the course related benchmarks, this course requires additional science content that must include benchmarks from at least one other Body of Knowledge. The additional benchmarks must include rigor appropriate for Level 3 courses. Laboratory investigations that include the use of scientific inquiry, research, measurement, problem solving, laboratory apparatus and technologies, experimental procedures, and safety procedures are an integral part of this course. The National Science Teachers Association (NSTA) recommends that at the high school level, all students should be in the science lab or field, collecting data every week. School laboratory investigations (labs) are defined by the National Research Council (NRC) as an experience in the laboratory, classroom, or the field that provides students with opportunities to interact directly with natural phenomena or with data collected by others using tools, materials, data collection techniques, and models (NRC, 2006, p. 3). Laboratory investigations in the high school classroom should help all students develop a growing understanding of the complexity and ambiguity of empirical work, as well as the skills to calibrate and troubleshoot equipment used to make observations. Learners should understand measurement error; and have the skills to aggregate, interpret, and present the resulting data (National Research Council, 2006, p.77; NSTA, 2007).</p>	
Instructional Practices	
Teaching from a range of complex text is optimized when teachers in all subject areas implement the following strategies on a routine basis:	
<ol style="list-style-type: none"> 1. Ensuring wide reading from complex text that varies in length. 2. Making close reading and rereading of texts central to lessons. 3. Emphasizing text-specific complex questions, and cognitively complex tasks, reinforce focus on the text and cultivate independence. 4. Emphasizing students supporting answers based upon evidence from the text. 5. Providing extensive research and writing opportunities (claims and evidence). 	


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 EXCELLENCE IN ONLINE LEARNING	
*Earth/Space Science	
Course #	20013101,2
Grade Level	9-12
Length	1 year
Prerequisite	None
Credit	1
<p>This course provides opportunities for the student to develop concepts basic to the earth, including its materials, processes, history, and environment in space. Topics such as the origin of the universe and solar system, life cycle of stars, formation of rocks, land forms, plate tectonics, glaciers, meteorology, and geologic periods are included.</p>	

Q*Earth/Space Science Honors	
Course #	20013201,2
Grade Level	9-12
Length	1 year
Prerequisite	None
Credit	1
<p>This course includes typical topics contained in regular earth/space science, but will require that students demonstrate a deeper level of understanding. Students will be required to complete additional projects and communicate scientific concepts with clarity.</p>	

 EXCELLENCE IN ONLINE LEARNING	
*Biology I	
EOC	
Course #	20003101,2
Grade Level	9-12
Length	1 year
Prerequisite	None
Credit	1
<p>This course focuses on the study of life through the examination of fundamental concepts such as cellular biology, genetics, ecology, evolution and physiology. The scientific process and laboratory skills are emphasized along with biology's connections to other scientific disciplines. Students learn scientific writing skills and also examine current biological issues.</p>	
<p>Students are required to take the state Biology End-of-Course Exam.</p>	

 EXCELLENCE IN ONLINE LEARNING	
Credit Recovery Courses	
Course #	2000315 Biology 1 for Credit Recovery
	BIO 1 CR
Grade Level	9-12
Credit	1
<p>Special notes: Credit Recovery courses are credit bearing courses with specific content requirements defined by Next Generation Sunshine State Standards and/or Common Core State Standards. Students enrolled in a Credit Recovery course must have previously attempted the corresponding course (and/or End-of-Course assessment) since the course requirements for the Credit Recovery courses are exactly the same as the previously attempted corresponding course. For example, Geometry (1206310) and Geometry for Credit Recovery (1206315) have identical content requirements. It is important to note that Credit Recovery courses are not bound by Section 1003.436(1) (a), Florida Statutes, requiring a minimum of 135 hours of bona fide instruction (120 hours in a school/district implementing block scheduling) in a designed course of study that contains student performance standards, since the students have previously attempted successful completion of the corresponding course. Additionally, Credit Recovery courses should ONLY be used for credit recovery, grade forgiveness, or remediation for students needing to prepare for an End-of-Course assessment retake.</p>	

 EXCELLENCE IN ONLINE LEARNING	
Q *Biology I Honors	
Course #	20003201,2
Grade Level	9-12
Length	1 year
Prerequisite	Advanced 8th grade science with recommended grade of C or higher, and should have strong reading comprehension.
Credit	1
<p>This advanced course will cover essentially the same topics as regular biology, but at higher levels of complexity, greater depth, and faster pace. The reading level will be higher and more reading will be required. Students will be required to use a higher level of vocabulary, do more writing, do more homework, and meet the standards of more challenging tests.</p>	

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Students are required to take the state Biology End-of-Course Exam.

*Biology Technology	
Course #	20004301,2
Grade Level	9-12
Length	1 year
Prerequisite	Biology and Chemistry, with a Recommended average grade of C or better in biology.
Credit	1
<p>The purpose of this course is to provide an advanced study of cellular organization and function, with specific emphasis on microbiology, recombinant DNA, and hospital/college-level research techniques. Laboratory investigations, which include the use of scientific research, measurement, laboratory techniques and safety procedures, are an integral part of this course. Exploratory experiences with real-life applications will be provided.</p>	
<p>Students are required to take the state Biology End-of-Course Exam.</p>	

Q *Anatomy and Physiology Honors	
Course #	20003601,2
Grade Level	9-12
Length	1 year
Prerequisite	Biology I or IH, and Chemistry. Recommended C or better in biology and chemistry, and/or enrollment in AVID.
Credit	1
<p>This advanced course will cover essentially the same topics as regular anatomy and physiology but at higher levels of complexity, greater depth, and faster pace. The reading level will be higher and more reading will be required. Students will be required to use a higher level of vocabulary, do more writing, do more homework, and meet the standards of more challenging tests.</p>	

*Anatomy and Physiology	
Course #	20003501,2
Grade Level	9-12
Length	1 year
Prerequisite	Biology I or IH. Recommended average grade of C or better in biology
Credit	1
<p>This course will provide students with a general introduction to the structure and function of the components of the human body. Topics such as cells and tissues, skeletal system, muscular system, nervous system, sensory organs, immune response, and inheritance are included.</p>	

*Ecology	
Course #	20003801,2
Grade Level	9-12
Length	1 year
Prerequisite	Biology
Credit	1
<p>This course provides students with a study of the natural mutual relationships between organisms, and of other factors comprising their environment. Topics such as food chains and webs, energy relationships, endangered species, pollution, resource use, and recycling are included.</p>	

	
*Marine Science I	
Course #	20025001,2
Grade Level	9-12
Length	1 year

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Prerequisite	Biology, with a Recommended average grade of C or better.
Credit	1
This course is designed to present an integrated overview of the principles and concepts of the geology, chemistry, physics, and biology as they relate to the world's oceans.	

Course #	20003301,2
Grade Level	9-12
Length	1 year
Prerequisite	Biology I or IH and Chemistry, with recommended average grade of C or better in biology.
Credit	1
This course will expand the study of the biological concepts introduced in the first year biology course, and will introduce new and more advanced topics. Topics such as population dynamics, properties of life, species continuity, cellular metabolism, and animal and plant physiology are included.	

Q*Marine Science I Honors	
Course #	20025101,2
Grade Level	9-12
Length	1 year
Prerequisite	Biology and Chemistry with a recommended average grade of C or better in biology, and/or enrollment in AVID.
Credit	1
This advanced course will cover essentially the same topics as regular anatomy and physiology but at higher levels of complexity, greater depth, and faster pace. The reading level will be higher and more reading will be required. Students will be required to use a higher level of vocabulary, do more writing, do more homework, and meet the standards of more challenging tests.	

*Physical Science	
Course #	20033101,2
Grade Level	9-12
Length	1 year
Prerequisite	None
Credit	1
This course provides students with a qualitative, investigative study of the introductory concepts of physics and chemistry. Topics include dynamics, periodic table, forms of energy, electricity and magnetism and chemical interactions.	

Q*Marine Science II Honors	
Course #	20025301,2
Grade Level	9-12
Length	1 year
Prerequisite	Marine Science I Honors with a recommended average grade of C or better in marine science, and/or enrollment in AVID.
Credit	1
This course will provide an in-depth study of the marine environment begun in marine science. Its goal is to present science in a social context and to give students the foundation needed to be intelligent participants in important societal discussions that involve environmental issues touching on oceans, climate and coastal zones.	

*Environmental Science	
Course #	20013401,2
Grade Level	9-12
Length	1 year
Prerequisite	None
Credit	1
The purpose of this course is to study man's interaction with the environment. The content should include, but not be limited to the following: forms of pollution, conservation, environmental planning and policy, public land usages, population dynamics and major forms of energy.	

*Astronomy Solar/Galactic	
Course #	20013501,2
Grade Level	9-12
Length	1 year
Prerequisite	None
Credit	1

Q*Biology II

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<p>The purpose of this course is to enable students to develop and apply knowledge of the universe and compare the conditions, properties, and motions of bodies in space. Emphasis shall be placed on concepts basic to the earth, including materials, processes, history, and the environment.</p>
<p>This course is recommended as an elective course for 12th grade students.</p>

<p>Honors to insure sufficient time for the required laboratory experiences.</p>
<p>Students are required to take the Advanced Placement examination.</p>

Q*AP Environmental Science	
Course #	20013801,2
Grade Level	9-12
Length	1 year
Prerequisite	Biology and chemistry with a recommended average grade of C or better in biology, and/or enrollment in AVID
Credit	1
<p>The purpose of this course is to provide a college level course in environmental science, and to prepare the students to seek credit and/or appropriate placement in college environmental science courses. To parallel college science courses that have a required laboratory section, it is recommended that this course be accompanied by or paired with Earth/Space Science Honors to insure sufficient time for the required laboratory experiences.</p>	
<p>Students are required to take the Advanced Placement examination.</p>	

EXCELLENCE IN ONLINE LEARNING	
*Chemistry I	
Course #	20033401,2
Grade Level	9-12
Length	1 year
Prerequisite	Algebra I
Credit	1
<p>This course will provide students with the study of the composition, properties, and changes associated with matter. Topics such as atomic theory, periodic table, bonding, chemical formulas, behavior of gases, and chemical reactions are included.</p>	

EXCELLENCE IN ONLINE LEARNING	
Q *Chemistry I Honors	
Course #	20033501,2
Grade Level	9-12
Length	1 year
Prerequisite	Geometry or concurrent geometry, and/or enrollment in AVID.
Credit	1
<p>This course will provide students with a rigorous study of the composition, properties, and changes associated with matter. Topics include heat, atomic structure, mole concept, reaction rates and equilibrium, solutions, and electrochemistry.</p>	

Q*Advanced Placement Biology	
Course #	20003401,2
Grade Level	9-12
Length	1 year
Prerequisite	Biology and chemistry with a recommended average grade of C or better in biology, and/or enrollment in AVID
Credit	1
<p>The purpose of this course is to provide a college level course in biology, and to prepare the student to seek credit and/or appropriate placement in college biology courses. To parallel college science courses that have a required laboratory section, it is recommended that this course be accompanied by or paired with Biology II</p>	


Q*Chemistry II	
Course #	20033601,2
Grade Level	9-12
Length	1 year
Prerequisite	Chemistry I or IH with a recommended grade of C or better in chemistry.


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Credit	1
This course will expand the study of chemical concepts introduced in first year chemistry, and introduce new topics. Topics include ionic equilibrium, kinetics and thermodynamics, nuclear chemistry, and descriptive inorganic chemistry.	

Q *Advanced Placement Chemistry	
Course #	20033701,2
Grade Level	9-12
Length	1 year
Prerequisite	Chemistry I and physics with a recommended grade of C or better in chemistry, and/or enrollment in AVID.
Credit	1
The purpose of this course to provide a college level course in chemistry, and to prepare the student to seek credit and/or appropriate placement in college chemistry courses. To parallel college science courses that have a required laboratory section, it is recommended that this course be accompanied by or paired with Chemistry II Honors to insure sufficient time for the required laboratory experiences.	
Students are required to take the Advanced Placement examination.	

	
*Physics I	
Course #	20033801,2
Grade Level	9-12
Length	1 year
Prerequisite	Algebra I with a recommended grade of C or better.
Credit	1
This course will provide students with an introductory study of the theories and laws governing the interaction of matter, energy and the forces of nature. Topics such as kinematics, dynamics, work and power, thermodynamics, wave characteristics and magnetism are included.	

	
Q *Physics I Honors	
Course #	20033901,2
Grade Level	9-12
Length	1 year
Prerequisite	Algebra II with a recommended average grade of C or better, and/or enrollment in AVID.
Credit	1
This course will provide students with a rigorous introductory study of the theories and laws governing the interaction of matter, energy and the forces of nature. Topics include energy, heat, light, electricity and nuclear physics.	

Q *Physics II	
Course #	20034101,2
Grade Level	9-12
Length	1 year
Prerequisite	Physics I or IH. Recommended grade of C or better in physics
Credit	1
This course will expand the study of physical concepts introduced in first year physics, and introduce new topics. Topics such as astrophysics, relativity, fluid dynamics, magnetic fields, and quantum mechanics are included.	

Q*Advanced Placement Physics B	
Course #	20034201,2
Grade Level	9-12
Length	1 year
Prerequisite	Chemistry and physics. Recommended grade of B or better in physics, and/or enrollment in AVID

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Credit	1
The purpose of this course is to provide a college level course in physics and to prepare the students to seek credit and/or appropriate placement in college physics courses. To parallel college science courses that have a required laboratory section, it is recommended that this course be accompanied by or paired with Physics II Honors to insure sufficient time for the required laboratory experiences.	
Students are required to take the Advanced Placement examination.	
Q*Advanced Placement Physics C	
Course #	20034301,2
Grade Level	9-12
Length	1 year
Prerequisite	Chemistry, physics, and must be enrolled in calculus. C or better in Physics I, and/or enrollment in AVID
Credit	1
This course will provide a college level course in physics and will prepare students to seek credit and/or appropriate placement in college physics. Unlike AP Physics B, this course will involve the students in calculus applications. To parallel college science courses that have a required laboratory section, it is recommended that this course be accompanied by or paired with Physics II Honors to insure sufficient time for the required laboratory experiences.	
Students are required to take the Advanced Placement examination.	

Length	1 year
Prerequisite	Principles of Technology I
Credit	1
This course features a second-year look at concepts developed in Principles of Technology I. Topics will include robotics, computer assisted design (CAD) and manufacture (CAM), and energy control systems.	

*Zoology	
Course #	20004101,2
Grade Level	9-12
Length	1 year
Prerequisite	Biology, with a recommended average grade of C or better
Credit	1
This course will provide an in –depth study of the animal kingdom including terminology, cell structure and physiology, genetics, change and adaptation, taxonomy, invertebrate and vertebrate anatomy/physiology, animal behavior, reproduction and development, and ecological relationships.	
This course is recommended as an elective course for 12th grade students.	

Q *Astronomy Solar/Galactic Honors	
Course #	20209101,2
Grade Level	9-12
Length	1 year
Prerequisite	None
Credit	1
The purpose of this course is to develop and apply concepts basic to the earth, its materials, processes, history, and environment in space.	
This course is recommended as an elective course for 12th grade students.	

*Principles of Technology I	
Course #	20036001,2
Grade Level	9-12
Length	1 year
Prerequisite	Chemistry
Credit	1
This course is designed to offer a detailed study of the laws governing the interaction of matter, energy and forces. Topics typically studied in physics are included, with emphasis given to technological and social implications and interactions. Computer and lab bench applications will be featured.	

*Principles of Technology II	
Course #	20036101,2
Grade Level	9-12

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Laboratory experience varies from dissections to operation of electrophoresis equipment.
 (a) Higher Level: The biochemical base; control of the individual organism; interactions between organisms and their environment; diversity among living things; special problems relating to man.
 (b) Subsidiary Level: Energy flow; the cell; Homeostasis; continuance of life; ecological and evolutionary biology.

SPECIAL COURSES OFFERED ONLY BY IB/PRE-IB MAGNET PROGRAMS

Q *Biology I - PRE IB	
Course #	20008005
Grade Level	9-12
Length	1 year
Prerequisite	Acceptance into IB
Credit	1
<p>This course is designed as a biological survey course. Laboratory experiments and research investigations are emphasized. Students will be evaluated by performance on tests, laboratory reports, class participation, and individual research investigations. In-depth study of the following topics will be included: scientific methods, taxonomy, cytology, genetics, botany, microbiology, zoology, ecology, human anatomy and physiology. <i>Students are required to take the state Biology End-of-Course Exam.</i></p>	

Q *Chemistry I - PRE IB	
Course #	20038005
Grade Level	9-12
Length	1 year
Prerequisite	Acceptance into IB
Credit	1
<p>Areas of study include atomic theory and structure, periodic properties, qualitative and quantitative studies of reactions, bonding, gas laws, acid-base theory, kinetics, equilibria, and redox systems. Extensive laboratory work includes lab techniques, analysis and report writing.</p>	

Q *Biology II/III - IB	
Course #	20008105 & 20008205
Grade Level	9-12
Length	1 year each
Prerequisite	Pre IB Biology
Credit	1 or 2
<p>IB Biology covers a wide range of topics in three major areas: cell biology and biochemistry, genetics and human anatomy and physiology. First unit emphasizes relationships between cell organelles and vital processes such as respiration and photosynthesis. Genetics is approached from both the cell level and the molecular level. Similarities and uniqueness of design are both noted with respect to possible origins.</p>	

Q *Chemistry II/III - IB	
Course #	20038105 & 20038205
Grade Level	9-12
Length	1 year each
Prerequisite	Pre IB Chemistry
Credit	1 or 2
<p>Areas of study include chemical equilibrium, thermodynamics, reaction kinetics, Redox system, organic chemistry and electrochemistry. (a) Higher Level: Atomic structure; bonding; kinetic theory of matter; kinetics; equilibria energies; periodicity; carbon chemistry; extension areas. (b) Subsidiary Level: Atomic models; periodic system; chemical bonding; kinetic theory; energetics; kinetics; equilibrium structure and shape of molecules; properties of functional groups in molecules</p>	

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(b) **Subsidiary Level:** The first semester covers topics in electricity and magnetism with appropriate lab work. The second semester comprises topics in modern physics including relativity, spectra and quantum mechanics, nuclear physics and high energy interactions. Problem solving and lab work are major course components.

EXCELLENCE IN ONLINE LEARNING	
Q *Physics I - Honors	
Course #	20033905
Grade Level	9-12
Length	1 year
Prerequisite	Acceptance into IB
Credit	1
<p>Various topics of mechanics including kinematics, composition and resolution of forces, torque, motion in two dimensions, work and energy relationships are covered first semester. The second semester includes wave properties, geometric optics, interference phenomena, electromagnetic spectrum, photoelectric effect, wave-particle concepts and the study of heat. Extensive lab work emphasizes manipulation, observation, planning, communication, interpretation, and analysis. Scientific method and problem solving are stressed.</p>	

SPECIAL COURSES OFFERED ONLY by the Cambridge University
MAGNET PROGRAMS at
Clearwater, Dixie Hollins, and Tarpon Springs High Schools

Q *AICE Environmental Management Science	
Course #	2001381
Grade Level	11-12
Length	1 year
Prerequisite	Acceptance into AICE
Credit	1.0
<p>This AS syllabus covers environmental issues and their management, especially the human aspect. Through their studies, learners gain an understanding of environmental resources and their human exploitation, and the goal of sustainable environmental management. Learners also consider a range of case study material which can feature local, regional or global examples. Although Cambridge International AS Level Environmental Management extends and complements the relevant Cambridge O Level and Cambridge IGCSE syllabuses, learners do not need to have studied the subject before starting the course.</p>	

Q *Physics II/III - IB	
Course #	20038455 & 20038505
Grade Level	9-12
Length	1 year each
Prerequisite	Pre IB Physics
Credit	1 or 2
<p>Areas of study continue those introduced in PIB Physics with greater depth. Plus:</p> <p>(a) Higher Level: The course examines mechanics in greater depth including combinations of forces, motion in two dimensions, projectile, circular, rotary and simple harmonic motion, conservation of energy and momentum, and elastic/inelastic collisions. Problem solving and lab work are major course components.</p>	

Q *AICE Marine Science I	
Course #	2002515
Grade Level	11-12
Length	1 year
Prerequisite	Acceptance into AICE
Credit	1.0

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Cambridge International AS and A Level Marine Science provides a coherent and stimulating introduction to the science of the marine environment. The AS part of the course concentrates on the scientific study of the sea and its ecosystems, while the A Level part concentrates on human activities that depend on the sea and have an impact on it. No prior study at Cambridge IGCSE or Cambridge O Level is assumed. The emphasis throughout is on the understanding of concepts and the application of ideas to new contexts as well as on the acquisition of knowledge, and the course encourages creative thinking and problem-solving skills which are transferable to any future career path. It is expected that practical activities will underpin the teaching of the whole course, and learners may be asked about practical activities in examination questions, but there is no practical paper and no coursework. Cambridge International AS and A Level Marine Science can form part of an ideal subject combination for learners who want to study Marine Biology or Environmental Science at university or to follow a career in shipping, fisheries, tourism or aquaculture.

Q *AICE Biology 1 AS	
Course #	2000321
Grade Level	11-12
Length	1 year
Prerequisite	Acceptance Into AICE
Credit	1.0
<p>Cambridge International AS and A Level Biology builds on the skills acquired at Cambridge IGCSE (or equivalent) level. The syllabus includes the main theoretical concepts which are fundamental to the subject, a section on some current applications of biology, and a strong emphasis on advanced practical skills. Practical skills are assessed in a timetabled practical examination. The emphasis throughout is on the understanding of concepts and the application of biology ideas in novel contexts as well as on the acquisition of knowledge. The course encourages creative thinking and problem-solving skills which are transferable to any future career path. Cambridge International AS and A Level Biology are ideal for learners who want to study biology or a wide variety of related subjects at university or to follow a career in science. Please note that the Scheme of Assessment has changed since 2005.</p>	

Q* Pre-AICE Biology	
Course #	20003220
Grade Level	9-12
Length	1 year
Prerequisite	Acceptance into Pre-AICE
Credit	1
<p>This course is a challenging, concept-oriented and hands-on course designed to provide a strong foundation for AICE Biology. This course will teach students to better understand the technological world in which they live, and take an informed interest in science and scientific developments. Students will learn about the basic principles of biology through a mix of theoretical and practical studies. Students will also develop an understanding of the scientific skills useful in everyday life. As they progress, students will learn how science is studied and practiced, and become aware that the results of scientific research can have both good and bad effects on individuals, communities and the environment.</p> <p>Students are required to take the state Biology End-of-Course Exam.</p>	


Q* Pre-AICE Chemistry	
Course #	2003372
Grade Level	9-10
Length	1 year
Prerequisite	Acceptance into PRE-AICE
Credit	1
<p>As well as a subject focus, the IGCSE Chemistry syllabus enables students to better understand the technological world in which they live, and take an informed interest in science and scientific developments. Students learn about the basic principles of Chemistry through a mix of theoretical and practical studies. Students also develop an understanding of the scientific skills essential for further study at A Level, skills which are useful in everyday life. As they progress, students learn how science is studied and practiced, and become aware that the results of scientific research can have both good and bad effects on individuals, communities and the environment.</p>	

Q *AICE Chem I AS	
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Course #	2003371
Grade Level	11-12
Length	1 year
Prerequisite	Acceptance into AICE
Credit	1.0
<p>Cambridge International AS and A Level Chemistry builds on the skills acquired at Cambridge IGCSE (or equivalent) level. The syllabus includes the main theoretical concepts which are fundamental to the subject, a section on some current applications of chemistry, and a strong emphasis on advanced practical skills. Practical skills are assessed in a timetabled practical examination. The emphasis throughout is on the understanding of concepts and the application of chemistry ideas in novel contexts as well as on the acquisition of knowledge. The course encourages creative thinking and problem-solving skills which are transferable to any future career path. Cambridge International AS and A Level Chemistry are ideal for learners who want to study chemistry or a wide variety of related subjects at university or to follow a career in science. Please note that the Scheme of Assessment has changed since 2005.</p>	

*	Identifies courses that may be used as one of three (3) science courses needed for graduation.
All of the high school science courses include labs.	
	<p>The virtual symbol indicates this course is available in a virtual learning environment.</p> <p>All Pinellas Virtual School (PVS) courses are aligned with the Next Generation Sunshine State Standards (NGSSS) and in the Board approved MS and HS Course Code Directories.</p>

Q* Pre-AICE Physics	
Course #	2003432
Grade Level	9-10
Length	1 year
Prerequisite	Acceptance into PRE-AICE
Credit	1
<p>As well as a subject focus, the IGCSE Physics syllabus enables students to better understand the technological world in which they live, and take an informed interest in science and scientific developments. Students learn about the basic principles of Physics through a mix of theoretical and practical studies. Students also develop an understanding of the scientific skills essential for further study at A Level, skills which are useful in everyday life. As they progress, students learn how science is studied and practiced, and become aware that the results of scientific research can have both good and bad effects on individuals, communities and the environment.</p>	

Explanation of Symbols	
Symbol	Explanation


2013-2014 SERVICE LEARNING EXPERIENTIAL EDUCATION COURSES

SERVICE LEARNING
Starting with the 1998-1999 school year, 75 hours of documented service are required as part of the requirements for the Academic Scholars Award, one of the Florida Bright Futures Scholarships. Students may complete this volunteer requirement by completing one of the courses listed below, including all of the course requirements, or by following the district procedures outlined by their high school community service designee.
“Students taking Voluntary Public Service or Voluntary School/Community Service listed below must still complete the district community service paperwork and follow the district procedure to receive Bright Futures credit for the hours completed while taking the course.”

the school or community. In this issues approach, students are expected to examine topics, make informed judgments, and apply problem-solving skills within a context of how they might best serve a local school or community. Teachers are challenged to encourage students to plan for the future and to act in the present. The content should include, but not be limited to the following: identification of a social problem in the community; preparation of an action plan for personal involvement to help solve the problem; implementation of the plan by completing a minimum of 75 volunteer hours and observation and analysis of experiences while the plan is in progress (reflection activities); and presentation of the results of the plan. (Students who enroll in this course will earn social studies elective credit.)

Voluntary Public Service	
Course #	05003700
Grade Level	9-12
Length	1 semester
Prerequisite	None
Credit	1/2
The purpose of this course is to develop an appreciation of the concept of service to the community and to develop skills necessary to evaluate the impact of service to others. The content should include, but not be limited to the following: identification of a social problem in the community; preparation of an action plan for personal involvement to help solve the problem; implementation of the plan by completing a minimum of 75 volunteer hours and observation and analysis of experiences while the plan is in progress (reflection activities); and presentation of the results of the plan. (Students who enroll in this course will earn elective credit.)	

PERSONAL, CAREER AND SCHOOL DEVELOPMENT

	
*Personal, Career, and School Development Skills 1 (PERS, CAR, SCH DEV 1)	
Course #	05005001,2
Grade Level	9-12
Length	1 year
Prerequisite	None
Credit	1
The purpose of this course is to provide students who have been designated as at-risk of dropping out of high school with an opportunity to experience success in school and improve attitudes and behaviors towards learning, self, school and community. Through enrollment in this class, students (and their families) are connected with public and private health, employment, counseling and social services. The private sector is involved in the collaboration in a variety of ways. These include tutoring of students, mentoring, serving as guest speakers or workshop leaders, donating materials/equipment/facilities, providing financial/in-kind support for motivation and recognition awards, offering work experience or job-shadowing opportunities, funding scholarships. Institutions of higher education also join the partnership by providing interns, tutors, mentors and scholarships.	
Special note. This course may be used for dropout prevention.	

Voluntary School/Community Service	
Course #	21043300
Grade Level	9-12
Length	1 semester
Prerequisite	None
Credit	1/2
Students are engaged in activities which help them develop an appreciation for the concept of service to	

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Personal, Career, and School Development Skills 2 (PERS,CAR,SCH DEV 2)	
Course #	05005101,2
Grade Level	9-12
Length	1 year
Prerequisite	Personal, Career, and School Development Skills I
Credit	1
<p>The purpose of this course is to provide students who have been designated as at-risk of dropping out of high school with an opportunity to experience success in school and improve attitudes and behaviors towards learning, self, school and community. Through enrollment in this class, students (and their families) are connected with public and private health, employment, counseling and social services. The private sector is involved in the collaboration in a variety of ways.</p> <p>These include tutoring of students, mentoring, serving as guest speakers or workshop leaders, donating materials/equipment/facilities, providing financial/in-kind support for motivation and recognition awards, offering work experience or job shadowing opportunities, funding scholarships. Institutions of higher education also join the partnership by providing interns, tutors, mentors and scholarships.</p>	
<p>Special note. This course may be used for dropout prevention.</p>	

education also join the partnership by providing interns, tutors, mentors and scholarships.
Special note. This course may be used for dropout prevention.

Personal, Career, and School Development Skills 4 (PERS,CAR,SCH DEV 4)	
Course #	0500530 1,2
Grade Level	9-12
Length	1 year
Prerequisite	None
Credit	1
<p>The purpose of this course is to provide students who have been designated as at-risk of dropping out of high school with an opportunity to experience success in school and improve attitudes and behaviors towards learning, self, school and community. Through enrollment in this class, students (and their families) are connected with public and private health, employment, counseling and social services. The private sector is involved in the collaboration in a variety of ways.</p> <p>These include tutoring of students, mentoring, serving as guest speakers or workshop leaders, donating materials/equipment/facilities, providing financial/in-kind support for motivation and recognition awards, offering work experience or job shadowing opportunities, funding scholarships. Institutions of higher education also join the partnership by providing interns, tutors, mentors and scholarships.</p>	
<p>Special note. This course may be used for dropout prevention.</p>	

Personal, Career, and School Development Skills 3 (PERS,CAR,SCH DEV 3)	
Course #	0500520 1,2
Grade Level	9-12
Length	1 year
Prerequisite	None
Credit	1
<p>The purpose of this course is to provide students who have been designated as at-risk of dropping out of high school with an opportunity to experience success in school and improve attitudes and behaviors towards learning, self, school and community. Through enrollment in this class, students (and their families) are connected with public and private health, employment, counseling and social services. The private sector is involved in the collaboration in a variety of ways. These include tutoring of students, mentoring, serving as guest speakers or workshop leaders, donating materials/equipment/facilities, providing financial/in-kind support for motivation and recognition awards, offering work experience or job-shadowing opportunities, funding scholarships. Institutions of higher</p>	

EXECUTIVE INTERNSHIP PROGRAM (EIP)

<p>This program is available by application to capable high school students during the regular school year for seniors or during the summer for rising seniors. A student must have at least a 3.0 cumulative grade point average to be admitted to the program. The program coordinator will arrange for selected students to spend one, two or three semesters working with professionals in their chosen career field. Students receive no pay but earn high school and college dual enrollment elective credits for their participation.</p>
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Executive Internship I	
Course #	05003000
Grade Level	12
Length	1 semester
Prerequisite	Application
Credit	1/2
<p>This purpose of this course is to provide a practical introduction to the work environment through direct contact with professionals in the community. The content should include, but not be limited to the following: discussion of professional job requirements; building vocabulary appropriate to the area of professional interest; development of decision-making skills; and development of personal and educational job-related skills.</p>	

Executive Internship III	
Course #	05003201,2
Grade Level	12
Length	1 semester
Prerequisite	Executive Internship I and/or II
Credit	1
<p>The purpose of this course is to further refine and apply technical skills and competencies for leadership within specific professional areas. The content should include, but not be limited to the following: more intensive study of a variety of career options; written and oral communication skills; higher-level thinking skills; interpersonal relationship skills; factors affecting job performance; in-depth research study; theories of executive management; the influence of unions; economics affecting free enterprise; knowledge of professional organizations and their impact; and career planning.</p>	

Executive Internship II	
Course #	05003100
Grade Level	12
Length	1 semester
Prerequisite	Application
Credit	1/2
<p>The purpose of this course is to supplement the existing curriculum by providing community internships. Students apply textbook learning, leadership skills, and understanding in challenging and creative professional areas. The content should include, but not be limited to the following: study of a variety of career options; written and oral communication skills; higher-level thinking skills; interpersonal relationship skills; factors affecting job performance; in-depth research study; theories of executive management; the influence of unions; economics affecting free enterprise; knowledge of professional organizations and their impact; and career planning.</p>	

Executive Internship IV	
Course #	05003301,2
Grade Level	12
Length	1 semester
Prerequisite	Executive Internship III
Credit	1
<p>The purpose of this course is to continue to provide students with an opportunity to apply technical skills and competencies to real-life career processes and settings. The content should include, but not be limited to the following: analysis of career options; career planning processes; characteristics of work settings; theories of executive management; influence on unions; free enterprise concepts; and organizational structure.</p>	

Dual Enrollment Courses for EIP
<p>In addition to the high school courses listed above, students participating in EIP are enrolled in the dual enrollment program. See the dual enrollment section for complete descriptions of the dual enrollment courses used for EIP. The course names are Career</p>

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and Life Planning, Leadership Development Seminar, and The College Experience. For information concerning application processes and registration of students in the Executive Internship Program, please contact the program coordinator or visit <http://it.pinellas.k12.fl.us/schools/eip/index.html>.


The following courses are offered only at the Largo High School 21st Century Academy.

The following course is offered only at Countryside and Dunedin High School.

Exploratory Teaching I	
Course #	05003405
Grade Level	9-12
Length	1 year
Prerequisite	None
Credit	1
<p>The purpose of this course is to provide students with knowledge and skills of effective teaching and teacher responsibilities in a variety of areas. The content should include, but not be limited to the following: planning for instruction, management of student conduct, instructional organization and development, leadership and human relations, working with disadvantaged and handicapped students and preparation of instructional materials.</p>	

Concepts of Engineering	
Course #	05007001, 2
Grade Level	9-12
Length	1 semester or 1 year
Prerequisite	None
Credit	1/2 credit or 1 credit
<p>The purpose of this course is to stimulate and maintain the students' interest in the field of engineering. It provides students with an insight into the various fields of engineering as well as the appropriate computational skills required for success in subsequent courses in their respective engineering programs. The content of the course will promote the engineering profession in terms of responsibilities, job availability, challenges and salary expectation in order to enhance motivation. The content includes, but not be limited to the history of engineering, career fields in engineering, professional affiliations, engineering problem solving approaches, procurement and specifications, role of ethics, graphical representations, symbols used by engineers in different areas, importance of math in engineering, complex numbers, and engineering mechanics and practical applications.</p>	


Exploratory Teaching II	
Course #	05003505
Grade Level	9-12
Length	1 year
Prerequisite	None
Credit	1
<p>The purpose of this course is to provide students with additional knowledge and skills of effective teaching and teacher responsibilities in a variety of areas. The content should include, but not be limited to the following: presentation of subject matter, verbal and nonverbal communication, evaluation of student achievement, and state and school-district rules, regulations, and policies relevant to teachers.</p>	


Explanation of Symbols	
Symbol	Explanation
*	Identifies courses that may be used as part of the STEM program in Virtual School only.
All of the high school science courses include labs.	
	<p>The virtual symbol indicates this course is available in a virtual learning environment.</p> <p>All Pinellas Virtual School (PVS) courses are aligned with the Next Generation Sunshine State Standards (NGSSS) and in the Board approved MS and HS Course Code Directories.</p>

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Honors/Advanced courses offer scaffolded learning opportunities for students to develop the critical skills of analysis, synthesis, and evaluation in a more rigorous and reflective academic setting. Students are empowered to perform at higher levels as they engage in the following: analyzing historical documents and supplementary readings, working in the context of thematically categorized information, becoming proficient in note-taking, participating in Socratic seminars/discussions, emphasizing free-response and document-based writing, contrasting opposing viewpoints, solving problems, etc. Students will develop and demonstrate their skills through participation in a capstone and/or extended research-based paper/project (e.g., history fair, participatory citizenship project, mock congressional hearing, projects for competitive evaluation, investment portfolio contests, or other teacher-directed projects).

 Q *United States Government Honors	
Graduation Requirement:	American Government (AG)
Course #	21063200
Grade Level	9-12
Length	1 semester
Prerequisite	None
Credit	Half credit (.5)
<p>The grade 9-12 United States Government course consists of the following content area strands: Geography, Civics and Government. The primary content for the course pertains to the study of government institutions and political processes and their historical impact on American society. Content should include, but is not limited to, the functions and purpose of government, the function of the state, the constitutional framework, federalism, separation of powers, functions of the three branches of government at the local, state and national level, and the political decision making process.</p>	

 *United States Government	
Graduation Requirement:	American Government (AG)
Course #	21063100
Grade Level	9-12
Length	1 semester
Prerequisite	None
Credit	Half credit (.5)
<p>The grade 9-12 United States Government course consists of the following content area strands: Geography, Civics and Government. The primary content for the course pertains to the study of government institutions and political processes and their historical impact on American society. Content should include, but is not limited to, the functions and purpose of government, the function of the state, the constitutional framework, federalism, separation of powers, functions of the three branches of government at the local, state and national level, and the political decision making process.</p>	

Q *Advanced Placement United States Government and Politics	
Graduation Requirement:	American Government (AG)
Course #	21064200
Grade Level	9-12
Length	1 semester
Prerequisite	None
Credit	Half credit (.5)
<p>Students acquire a critical perspective of politics and government in the United States. They learn general concepts used to interpret American politics and analyze specific case studies. Students also become familiar with the various institutions, groups, beliefs and ideas that constitute the American political perspective.</p>	
<p>Students are required to take the Advanced Placement examination.</p>	

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Q Advanced Placement Comparative Government and Politics	
Course #	21064300
Grade Level	9-12
Length	1 semester
Prerequisite	None
Credit	
<p>Student will gain knowledge of the world's diverse political structures and practices through the study of government and politics in Great Britain, France, the Commonwealth of Independent States, China, and developing nations. Emphasis is placed on general concepts used to interpret key political relationships found in all national politics.</p>	
<p>Students are required to take the Advanced Placement examination.</p>	

(2106310) or American Government Honors (2106320).
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Q *The American Political System: Process and Power	
Graduation Requirement:	American Government (AG)
Course #	21064500
Grade Level	9-12
Length	1 semester
Prerequisite	None
Credit	Half credit (.5)
<p>The grade 9-12 The American Political System: Process and Power course consists of the following content area strands: American History, Geography, Civics and Government. The primary content for the course pertains to the study of the political system in America and the dynamics of political issues. Content should include, but is not limited to, the nature of political behavior, power acquisition, maintenance, and extension, classical and modern political theorists, evolution of democratic political systems, the constitutional framework, federalism, separation of power, functions of the three branches of government at the local, state and national levels, Florida government, including the Florida Constitution, municipal and county government, the evolving role of political parties and interest groups in determining government policy, and the political decision-making process.</p>	
<p>Special Notes: Students earning credit in this course may not earn credit in American Government</p>	

Q *The American Political System: Process and Power	
Graduation Requirement:	American Government (AG)
Course #	21064600
Grade Level	9-12
Length	1 semester
Prerequisite	None
Credit	Half credit (.5)
<p>The grade 9-12 The American Political System: Process and Power Honors course consists of the following content area strands: American History, Geography, Civics and Government. The primary content for the course pertains to the study of the political system in America and the dynamics of political issues. Content should include, but is not limited to, the nature of political behavior, power acquisition, maintenance, and extension, classical and modern political theorists, comparison of political systems, evolution of democratic political systems, functions of the three branches of government at the local, state and national levels, Florida government, including the Florida Constitution, municipal and county government, constitutional framework, federalism, and separation of power, including study of the Declaration of Independence, the U.S. Constitution, and the Federalist Papers, evolving role of political parties and interest groups in determining government policy, political decision-making process, the role of women and diverse cultural groups in the development of our political system, and career opportunities available in the government system.</p>	
<p>Special Notes: Students earning credit in this course may not earn credit in American Government (2106310) or American Government Honors (2106320).</p>	


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Law Studies	
Course #	21063500
Grade Level	9-12
Length	1 semester
Prerequisite	None
Credit	Half credit (.5)
<p>The grade 9-12 Law Studies course consists of the following content area strands: American History, World History, Geography, Humanities, Economics, and Civics and Government. The primary content for the course pertains to the study of the American legal system as the foundation of American society by examining those laws which have an impact on citizens' lives and an introduction to fundamental civil and criminal justice procedures. Content should include, but is not limited to, the need for law, the basis for our legal system, civil and criminal law, adult and juvenile courts, family and consumer law, causes and consequences of crime, individual rights and responsibilities, and career opportunities in the legal system.</p>	

Comparative Political Systems	
Course #	21063600
Grade Level	9-12
Length	1 semester
Prerequisite	American Govt.
Credit	Half credit (.5)
<p>The grade 9-12 Comparative Political Systems course consists of the following content area strands: American History, World History, Geography, Humanities, Civics and Government. The primary content for the course pertains to the study of the major political systems of the world and compare and contrast their operation with the American democratic system. Content should include, but is not limited to, the comparison of major political ideologies (communism, fascism, socialism, and democracy) from historical and ideological perspectives and the role and function of the government and the citizen in each political system.</p>	

Court Procedures	
Course #	21063900
Grade Level	9-12
Length	1 semester
Prerequisite	None
Credit	Half credit (.5)
<p>The grade 9-12 Court Procedures Intern course consists of the following content area strands: American History, World History, Geography, Humanities, Civics and Government. The primary content for the course pertains to the study of the structure, processes and procedures of the judicial systems of the United States and Florida. Content should include, but not be limited to, the structure, processes and procedures of county, circuit and federal courts, civil and criminal procedures, juvenile law, the rights of the accused, evolution of court procedures, comparative legal systems, and career choices in the judicial system.</p>	


 *World History	
Graduation Requirement:	World History (WH)
Course #	21093101, 2
Grade Level	9-12
Length	1 year
Prerequisite	None
Credit	1
<p>The grade 9-12 World History course consists of the following content area strands: World History, Geography and Humanities. This course is a continued in-depth study of the history of civilizations and societies from the middle school course, and includes the history of civilizations and societies of North and South America. Students will be exposed to historical periods leading to the beginning of the 21st Century. So that students can clearly see the relationship between cause and effect in historical events,</p>	


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students should have the opportunity to review those fundamental ideas and events from ancient and classical civilizations.

use knowledge pertaining to history, geography, economics, political processes, religion, ethics, diverse cultures and humanities to solve problems in academic, civic, social and employment settings. Content should include, but is not limited to, world events and trends in the 20th and 21st centuries with emphasis on the past two decades, historical antecedents of contemporary political, social, economic and religious issues, impact of religious thought on contemporary world issues, interaction among science, technology and society, influence of significant historical and contemporary, figures and events on the present, and projection of current trends and movements.

	
Q *World History Honors	
Graduation Requirement:	World History (WH)
Course #	21093201, 2
Grade Level	9-12
Length	1 year
Prerequisite	None
Credit	1
<p>The grade 9-12 World History course consists of the following content area strands: World History, Geography and Humanities. This course is a continued in-depth study of the history of civilizations and societies from the middle school course, and includes the history of civilizations and societies of North and South America. Students will be exposed to historical periods leading to the beginning of the 21st Century. So that students can clearly see the relationship between cause and effect in historical events, students should have the opportunity to review those fundamental ideas and events from ancient and classical civilizations.</p>	

	
*United States History	
Graduation Requirement:	American History (AH)
Course #	21003101, 2
Grade Level	9-12
Length	1 year
Prerequisite	None
Credit	1
<p>The grade 9-12 United States History course consists of the following content area strands: United States History, Geography, and Humanities. The primary content emphasis for this course pertains to the study of United States history from Reconstruction to the present day. Students will be exposed to the historical, geographic, political, economic, and sociological events which influenced the development of the United States and the resulting impact on world history. So that students can clearly see the relationship between cause and effect in historical events, students should have the opportunity to review those fundamental ideas and events which occurred before the end of Reconstruction.</p>	

Contemporary History	
Course #	21093500
Grade Level	9-12
Length	1 semester
Prerequisite	None
Credit	Half credit (.5)
<p>The grade 9-12 Contemporary History course consists of the following content area strands: American History, World History, Geography, Humanities, Civics and Government. The primary content emphasis for this course pertains to the study of the development of the contemporary world within the context of history in order to analyze current events. Students</p>	

	
Q *United States History Honors	
Graduation Requirement:	American History (AH)

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Course #	21003201, 2
Grade Level	9-12
Length	1 year
Prerequisite	None
Credit	1
<p>Students examine the development of the United States from the Reconstruction period to the current time within the context of history by examining connections to the past to prepare for the future as participating members of a democratic society. They use knowledge pertaining to history, geography, economics, political processes, religion, ethics, diverse cultures and humanities to solve problems in academic, civic, social and employment settings. Students in an honors class will study and analyze primary source documents, write document based question essays, and incorporate additional reading and current events.</p>	


The grade 9-12 Economics course consists of the following content area strands: Economics and Geography. The primary content emphasis for this course pertains to the study of the concepts and processes of the national and international economic systems. Content should include, but is not limited to, currency, banking, and monetary policy, the fundamental concepts relevant to the major economic systems, the global market and economy, major economic theories and economists, the role and influence of the government and fiscal policies, economic measurements, tools, and methodology, financial and investment markets, and the business cycle.

Mathematics Benchmark Guidance - Social Studies instruction should include opportunities for students to interpret and create representations of historical events and concepts using mathematical tables, charts, and graphs.

Instructional Practices

Teaching from well-written, grade-level instructional materials enhances students' content area knowledge and also strengthens their ability to comprehend longer, complex reading passages on any topic for any reason. Using the following instructional practices also helps student learning:

1. Reading assignments from longer text passages as well as shorter ones when text is extremely complex.
2. Making close reading and rereading of texts central to lessons.
3. Asking high-level, text-specific questions and requiring high-level, complex tasks and assignments.
4. Requiring students to support answers with evidence from the text.
5. Providing extensive text-based research and writing opportunities (claims and evidence).

	
Q *Advanced Placement United States History	
Graduation Requirement:	American History (AH)
Course #	21003301,2
Grade Level	9-12
Length	1 year
Prerequisite	None
Credit	1
<p>Students analyze the development of the United States within the context of history by examining connections to the past to prepare for the future as participating members of a democratic society. Students use knowledge pertaining to history, geography, economics, political processes, religion, ethics, diverse cultures and humanities to solve problems in academic, civic, social and employment settings.</p>	
<p>Students are required to take the Advanced Placement examination.</p>	

Economics with Financial Literacy	
Course #	2102335
Grade Level	9-12
Length	1/2 years
Prerequisite	None
Credit	1/2

Q Economics with Financial Literacy Honors	
Course #	2102345
Grade Level	9-12

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Length	1 Semester
Prerequisite	None
Credit	1/2

Economics - The grade 9-12 Economics course consists of the following content area strands: Economics and Geography. The primary content emphasis for this course pertains to the study of the concepts and processes of the national and international economic systems. Content should include, but is not limited to, currency, banking, and monetary policy, the fundamental concepts relevant to the major economic systems, the global market and economy, major economic theories and economists, the role and influence of the government and fiscal policies, economic measurements, tools, and methodology, financial and investment markets, and the business cycle.

Honors/Advanced courses offer scaffolded learning opportunities for students to develop the critical skills of analysis, synthesis, and evaluation in a more rigorous and reflective academic setting. Students are empowered to perform at higher levels as they engage in the following: analyzing historical documents and supplementary readings, working in the context of thematically categorized information, becoming proficient in note-taking, participating in Socratic seminars/discussions, emphasizing free-response and document-based writing, contrasting opposing viewpoints, solving problems, etc. Students will develop and demonstrate their skills through participation in a capstone and/or extended research-based paper/project (e.g., history fair, participatory citizenship project, mock congressional hearing, projects for competitive evaluation, investment portfolio contests, or other teacher-directed projects).

Mathematics Benchmark Guidance - Social Studies instruction should include opportunities for students to interpret and create representations of historical events and concepts using mathematical tables, charts, and graphs.

Instructional Practices

Teaching from well-written, grade-level instructional

materials enhances students' content area knowledge and also strengthens their ability to comprehend longer, complex reading passages on any topic for any reason. Using the following instructional practices also helps student learning:

1. Reading assignments from longer text passages as well as shorter ones when text is extremely complex.
2. Making close reading and rereading of texts central to lessons.
3. Asking high-level, text-specific questions and requiring high-level, complex tasks and assignments.
4. Requiring students to support answers with evidence from the text.
5. Providing extensive text-based research and writing opportunities (claims and evidence).

Q *Advanced Placement Microeconomics	
Graduation Requirement:	Economics (EC)
Course #	21023600
Grade Level	9-12
Length	1 semester
Prerequisite	None
Credit	Half credit (.5)
Students acquire the decision-making tools necessary for understanding that society must organize its limited resources to satisfy its unlimited wants, and understand the factors that influence the economic system.	
Students are required to take the Advanced Placement examination.	

Q *Advanced Placement Macroeconomics	
Graduation Requirement:	Economics (EC)
Course #	21023700
Grade Level	9-12
Length	1 semester
Prerequisite	None
Credit	Half credit (.5)
Students analyze the choices they must make as producers, consumers, investors, and taxpayers. The study of economics provides students with the	

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knowledge and decision-making tools necessary for understanding that a society must organize its limited resources to satisfy its unlimited wants.
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Students are required to take the Advanced Placement examination.
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The grade 9-12 Anthropology course consists of the following content area strands: American History, World History, Geography, Humanities, Civics and Government. The primary content emphasis for this course pertains to the study of the differences and similarities, both biological and cultural, in human populations. Students recognize the characteristics that define their culture and gain an appreciation for the culture of others. Content should include, but is not limited to, human biological and cultural origins, adaptation to the physical environment, the diversity of human behavior, the evolution of social and cultural institutions, patterns of language development, family and kinship relationships, and the effect of change on cultural institutions.

Introduction to the Social Sciences	
Course #	21043001,2
Grade Level	9-12
Length	1 year
Prerequisite	None
Credit	1
The grade 9-12 Introduction to the Social Sciences course consists of the following content area strands: American History, World History, Geography, Humanities, Economics, and Civics and Government. The primary content emphasis for this course pertains to the study of the scope, focus and methodology of the social sciences through an overview of its various disciplines. Content should include, but is not limited to essential concepts in the fields of anthropology, economics, geography, history, political science, psychology and sociology, inquiry methodologies, measurement techniques, interdisciplinary strategies, leading contributors in the major fields of social science, and development of effective logic and reasoning skills.	

Anthropology	
Course #	21013000
Grade Level	9-12
Length	1 semester
Prerequisite	None
Credit	Half credit (.5)


 Psychology I	
Course #	21073000
Grade Level	9-12
Length	1 semester
Prerequisite	None
Credit	Half credit (.5)
Through study of psychology, students acquire an understanding of and an appreciation for human behavior, behavior interaction and the progressive development of individuals. This will better prepare them to understand their own behavior and the behavior of others.	

Psychology II	
Course #	21073100
Grade Level	9-12
Length	1 semester
Prerequisite	Psychology I
Credit	Half credit (.5)
Through the study of psychology, students acquire an understanding of and an appreciation for human behavior, behavior interaction, and the progressive development of individuals. This will better prepare them to understand their own behavior and the behavior of others.	

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Q Advanced Placement Psychology	
Course #	21073501,2
Grade Level	9-12
Length	1 year
Prerequisite	Recommended: Psychology I
Credit	1
Analyze human behavior, behavior interaction and the progressive development of individuals. This will better prepare them to understand their own behavior and the behavior of others.	
Students are required to take the Advanced Placement examination.	

	
Sociology	
Course #	21083000
Grade Level	9-12
Length	1 semester
Prerequisite	None
Credit	Half credit (.5)
Through the study of sociology, students acquire an understanding of group interaction and its impact on individuals in order that they may have a greater awareness of the beliefs, values and behavior patterns of others. In an increasingly interdependent world, students need to recognize how group behavior affects both the individual and society.	

Philosophy	
Course #	21053400
Grade Level	9-12
Length	1 semester
Prerequisite	None
Credit	Half credit (.5)
The grade 9-12 Philosophy course consists of the following content area strands: American History, World History, Geography, Humanities, Civics and Government. The primary content emphasis for this course pertains to the study of the fundamental questions pertinent to all areas of human activity and	

inquiries. Content should include, but is not limited to, an introduction to classical and modern philosophies, the fundamental principles of philosophical thought, such as semantics, logic, inductive and deductive reasoning, and social, political and religious philosophies.	
Ethics	
Course #	2105350
Grade Level	9-12
Length	1 semester
Prerequisite	None
Credit	Half credit (.5)
The grade 9-12 Ethics course consists of the following content area strands: American History, World History, Geography, Humanities, Civics and Government. The primary content emphasis for this course pertains to the study of the foundations of ethical thought and theories and the process of moral development. Content should include, but is not limited to, the sources of ethical beliefs and practices, traditional ethical theories, the strengths and weaknesses of the principal models of moral development, the typical fallacies in flawed moral arguments, the difference between an ethical choice and a legal decision, major ethical questions in American society such as public service, law, the workplace, bioethics, and new technologies, and current ethical issues in the local and national arena.	

Global Studies	
Course #	21043200
Grade Level	9-12
Length	1 year
Prerequisite	None
Credit	1
The grade 9-12 Global Studies course consists of the following content area strands: American History, World History, Geography, Humanities, Economics, and Civics and Government. The primary content emphasis for this course pertains to the study of the commonalties and differences among the peoples and cultures of the world and the complex nature of individual, group and national interactions in today's world. Content should include, but is not limited to, global interdependence and challenges, culture,	


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international systems and policies, pluralism, transnationalism, and cultural diffusion, global economics, and human-environment interactions.

scale; appreciate global cultures and their economic characteristics; and understand how cultural landscapes are created and how they change over time.

Students are required to take the Advanced Placement examination.

	
World Cultural Geography	
Course #	21033001,2
Grade Level	9-12
Length	1 year
Prerequisite	None
Credit	1
<p>The grade World Cultural Geography course consists of the following content area strands: American History, World History, Geography, Humanities, Civics and Government. The primary content emphasis for this course pertains to the study of world cultural regions in terms of location, physical characteristics, demographics, historical changes, land use, and economic activity. Content should include, but is not limited to, the use of geographic tools and skills to gather and interpret data and to draw conclusions about physical and human patterns, the relationships between physical geography and the economic, political, social, cultural and historical aspects of human activity, patterns of population growth and settlement in different cultures and environments, the interaction between culture and technology in the use, alteration and conservation of the physical environment, and the interrelationships and interdependence of world cultures.</p>	

African History	
Course #	21093300
Grade Level	9-12
Length	1 semester
Prerequisite	None
Credit	Half credit (.5)
<p>The grade 9-12 African History course consists of the following content area strands: World History, American History, Geography, Economics, and Humanities. The primary content emphasis for this course pertains to the study of the chronological development of Africa by examining the political, economic, social, religious, military and cultural events that affected the continent. Students will be exposed to the historical, geographic, political, economic, and sociological events which influenced the progression of the continent including, but not limited to, the physical geography of Africa, prehistory on the African continent, early African civilizations and empires, traditional African religious tradition and cultures, colonialism in Africa, the evolution of political systems and philosophies in African societies and nations, African independence movements and nationalism, major historical figures and events in African history, and contemporary African affairs.</p>	

Q Advanced Placement Human Geography	
Course #	21034001,2
Grade Level	9-12
Length	1 year
Prerequisite	None
Credit	1
<p>The purpose of this course is to prepare students to understand the discipline of geography, including its tools, themes, and concepts; think critically about geographic problems on a global, national, and local</p>	

African-American History	
Course #	21003400
Grade Level	9-12
Length	1 semester
Prerequisite	None
Credit	Half credit (.5)
<p>The grade 9-12 African-American History course consists of the following content area strands: World History, American History, Geography, Humanities,</p>	

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Civics and Government. The primary content emphasis for this course pertains to the study of the chronological development of African Americans by examining the political, economic, social, religious, military and cultural events that affected the cultural group. Content will include, but is not limited to, West African heritage, the Middle Passage and Triangular Trade, the African Diaspora, significant turning points and trends in the development of African American culture and institutions, enslavement and emancipation, the Abolition, Black Nationalist, and Civil Rights movements, major historical figures and events in African-American history, and contemporary African-American affairs.

Latin American History	
Course #	21003600
Grade Level	9-12
Length	1 year
Prerequisite	None
Credit	1

The grade 9-12 Latin American History course consists of the following content area strands: World History, American History, Geography, Humanities, Civics and Government. The primary content emphasis for this course pertains to the study of the chronological development of the Latin American people by examining the history and culture of the region with emphasis on the Caribbean Basin, Central America and South America. Students will be exposed to the historical, geographic, political, economic, and sociological events which influenced the progression of Latin America including, but not limited to, indigenous Native American population prior to the arrival of the Europeans, Spanish heritage, influence and impact of the Catholic Church on Latin American cultures, evolution of political systems and philosophies in Latin American societies, interaction of science and Latin American cultures, Latin American nationalism, origin and course of economic systems and philosophies in Latin American societies, influence of major historical figures and events in Latin American history, and contemporary Latin American affairs.

Q *Advanced Placement World History	
Graduation Requirement:	World History (WH)
Course #	21094201,2
Grade Level	9-12
Length	1 year
Prerequisite	None
Credit	1
<p>Students understand the development of civilizations of the world within the context of history by examining connections to the past in order to prepare for the future as participating members of a global community. Students use knowledge pertaining to history, geography, economics, political processes, religion, ethics, diverse cultures, and humanities to solve problems in academic, civic, social, and employment settings.</p> <p>Students are required to take the Advanced Placement examination.</p>	

Q Advanced Placement European History	
Course #	21093801,2
Grade Level	9-12
Length	1 year
Prerequisite	None
Credit	1
<p>Students analyze the development of Europe within the context of history by examining connections to the past in order to prepare for the future as participating members of a global community. Students use knowledge pertaining to history, geography, economics, political processes, religion, ethics, diverse cultures and humanities to solve problems in academic, civic, social and employment settings.</p> <p>Students are required to take the Advanced Placement examination.</p>	

Florida History	
Course #	21003500
Grade Level	9-12
Length	1 semester
Prerequisite	None
Credit	Half credit (.5)

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The grade 9-12 Florida History course consists of the following content area strands: World History, American History, Geography, Humanities, Civics and Government. The primary content emphasis for this course pertains to the study of the chronological development of the state of Florida by examining the political, economic, social, military and cultural events that affected the state. Students will be exposed to the historical, geographic, political, economic, and sociological events which influenced the progression of Florida including, but not limited to, the evolution of Florida's diverse heritage through Spanish, French, British and American occupations, Florida's Native American population, United States annexation and territorial experience, statehood and an analysis of Florida's first constitution, Florida's system of slavery, Florida under the Confederacy and Reconstruction, Florida's role as a part of the new South, technological and urban transformations of the state, the evolution of Florida lifestyles and ideals over the centuries, the historic evolution of the Florida economy, Florida's diverse geographic regions and population groups, state government, modern day Florida's successes and challenges, and the projection of Florida's future development.

Credit	Half credit (.5)
The grade 9-12 World Religions course consists of the following content area strands: World History, Geography and Humanities. The primary content emphasis for this course pertains to the study of major world religious traditions of Buddhism, Christianity, Confucianism, Hinduism, Islam, Judaism, Shintoism and Taoism . Students will identify criteria upon which religious beliefs are based, analyze relationships between religious and social and political institutions, trace the major developments of the world's living religions, distinguish the similarities and differences among the world's major religious traditions, synthesize information and ideas from conflicting religious beliefs, and interpret the development of a society as reflected by its religious beliefs.	

International Relations	
Course #	2106440
Grade Level	9-12
Length	1 year
Prerequisite	None
Credit	1
The grade 9-12 International Relations course consists of the following content area strands: American History, World History, Geography, Humanities, Economics, and Civics and Government. The primary content emphasis for this course pertains to the study of the functions of the global community, the nature of the modern national state, national goals, and how nations communicate and negotiate to facilitate these goals. Content should include, but is not limited to, the origins of the nation-state system, the role of power politics in the nuclear age, factors that influence relations among nations, such as world population growth, food and other resources, environment, human rights, terrorism, cultural differences, world trade, and technology, ways in which governments conduct foreign policy, the role of international organizations in promoting world peace, the role of women and diverse cultural groups within and among nations, and career opportunities available in international relations.	

Women's Studies	
Course #	2104340
Grade Level	9-12
Length	1 semester
Prerequisite	None
Credit	Half credit (.5)
The grade 9-12 Women's Studies course consists of the following content area strands: American History, World History, Geography, Humanities, Civics and Government. The primary content emphasis for this course pertains to the study of the historical development of women in various cultures, the role of women in shaping history, and of contemporary issues that impact the lives of women.	

World Religions	
Course #	21053100
Grade Level	9-12
Length	1 semester
Prerequisite	None

Holocaust

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Course #	2109430
Grade Level	9-12
Length	1 semester
Prerequisite	None
Credit	Half credit (.5)
<p>The grade 9-12 Holocaust course consists of the following content area strands: American History, World History, Geography, Humanities, Civics and Government. The primary content emphasis for this course pertains to the examination of the events of the Holocaust (1933-1945), the systematic, planned annihilation of European Jews and other groups by Nazi Germany. Content will include, but is not limited to, the examination of twentieth century pogroms and of twentieth century and twenty-first century genocides, investigation of human behavior during this period, and an understanding of the ramifications of prejudice, racism, and stereotyping.</p>	

Course #	21093601, 2
Grade Level	9-12
Length	1 year
Prerequisite	None
Credit	1
<p>Students will examine developments in British political, economic, social and cultural history and develop an awareness of the influence of British history on American life.</p>	

SPECIAL NOTE: This course is designed to be a companion course to the senior level English class which deals with the literature of Great Britain.

History of the Vietnam War	
Course #	21004001, 2
Grade Level	9-12
Length	1 semester
Prerequisite	None
Credit	Half credit (.5)
<p>The grade 9-12 The History of Vietnam course consists of the following content area strands: United States History, World History, Civics and Government, Geography, and Humanities. The primary content emphasis for this course pertains to the study of the chronological development of the Vietnam War by examining the political, economic, social, religious, military and cultural events that affected the war. Students will be exposed to the historical, geographic, political, economic, and sociological events which influenced the progression of the war including, but not limited to, an analysis of the United States military effort and makeup in the war, an evaluation of the role of the United States home front, interpretations of the effects of the media, film and literature during and after the war, a judgment of crucial decisions made during the Vietnam War and an analysis of the resulting impact of the conflict.</p>	

SPECIAL COURSES OFFERED ONLY BY PRE IB/IB PROGRAMS

Q Philosophy I IB	
Course #	21058600
Grade Level	9-12
Length	Acceptance into IB Program
Prerequisite	None
Credit	Half credit (.5)
<p>The learner will explore the foundations of philosophy through a historical exploration of the great thinkers. The course will focus on the definition and application of philosophy, appropriate vocabulary, and the notion that everyone should be engaged in the 'doing' of philosophy.</p>	

Q *American Government - Pre IB	
Graduation Requirement:	American Government (AG)
Course #	21068005
Grade Level	9-12
Length	1 semester
Prerequisite	Acceptance into IB Program
Credit	Half credit (.5)

British History

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This course will provide students with an understanding of the development of modern political ideologies. It will emphasize the nature of democratic, Communist, and Fascist states. It will also focus on single party states in selected areas of the world. Special attention will be devoted to American Government and political behavior. Students will learn the functions and roles of the three branches of government, the principal features of the Constitution, the functions of political parties, the election process, respect for individual freedom and civil liberties and an understanding of the value of a free press. The theoretical aspects of American Government will then be compared to totalitarian and single party states as well as other democratic systems.

Q American History - IB	
Graduation Requirement:	American History (AH)
Course #	21008105
Grade Level	9-12
Length	1 year
Prerequisite	Acceptance into IB Program
Credit	1

The purpose of this course is to provide students with the opportunity to acquire an in-depth and comprehensive understanding of American History - the chronological development of the American people by examining the political, economic, social, religious, military, scientific, and cultural events that have affected the nation. Implicit in this is an understanding of the historical method, the inquiry process, historical reasoning and interpretation, and the issues of external and internal validity. The scope of the course will also include America's role in the hemispheric and global community. The content should include and understanding of geo-historic development in time-space, an analysis of the significant turning points and trends in the development of American culture and institutions, an evaluation of the significance of the Westward movement on the American character, interpretations of the effects of the American colonial experience, an analysis of enlightened thinking in formulating the Declaration of Independence and the Constitution, the changing role of the Constitution, an analysis of sectionalism, the rise of slavery and its effects throughout the Americas, the causes, course, and results of the Civil War, comparisons of the technological and urban transformation on our nation in the Nineteenth and Twentieth centuries, interpretations of the changes in American foreign policy from regional to global, an evaluation of the cycles characteristic of American economic development to the modern era, and an analysis of contemporary American domestic and foreign issues.

Q History of the Americas - IB	
Course #	21008005
Grade Level	9-12
Length	1 year
Prerequisite	Acceptance into IB Program
Credit	1

Q World History - Pre IB	
Graduation Requirement:	World History (WH)
Course #	21098105
Grade Level	9-12
Length	1 year
Prerequisite	Acceptance into IB Program
Credit	1

The purpose of this course is to provide students a survey of world history from prehistoric times to the present era. While the course will study earlier societies, the major focus on the course will be on the last two hundred years. The program emphasizes the contributions of the past to contemporary life as well as the ways other societies have attempted to answer questions and resolved problems that continue to perplex mankind today. The students explore interpretations of history and change, the development of institutions, the meaning of the good life, myth and reality, growth and decline of civilizations, changing concepts of right and wrong, relationships between church and state, and conflicts between social and economic classes.

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Students understand the development of the nations of the Western Hemisphere within the context of history by examining connections to the past to prepare for the future as participating members of a democratic society. Students use knowledge pertaining to history, geography, economics, political processes, religion, ethics, diverse cultures and humanities to solve problems in academic, civic, social and employment settings. Guided Course work is included.

Students acquire an understanding of research methodology as applied to the study of human behavior. They apply knowledge of research design, error control and statistical analysis of empirical data to the study of human behavior.

Q Contemporary History - IB	
Course #	21098005
Grade Level	9-12
Length	1 year
Prerequisite	Acceptance into IB Program
Credit	1

Students understand the development of the contemporary world within the context of the 20th century. Topics to be studied include causes, practices and effects of war in the 20th century, single party states, east/west relations, and decolonization and independence movements in the 20th century. Guided Coursework is required.

Q Psychology I - IB	
Course #	21078005
Grade Level	9-12
Length	1 year
Prerequisite	Acceptance into IB Program
Credit	1

Through study of psychology, students acquire an understanding of and an appreciation for human behavior, behavior interaction and the progressive development of individuals. This will better prepare them to understand their own behavior and the behavior of others.

Q Psychology II --IB	
Course #	21078105
Grade Level	9-12
Length	1 year
Prerequisite	Acceptance into IB Program
Credit	1

Q European History - IB	
Course #	21098205
Grade Level	9-12
Length	1 year
Prerequisite	Acceptance into IB Program
Credit	1

Students analyze the development of Europe within the context of history by examining connections to the past to prepare for the future as participating members of a global community. Students use knowledge about history, geography, economics, political processes, religion, ethics, diverse cultures and humanities to solve problems in academic, civic, social and employment settings.

NOTE: The following Connections, Challenges, and Choices courses are required to be taught as a four-year sequence. Individual courses may **NOT** be taken to meet graduation requirements for American government, world history, U.S. history, or economics.

Q Theory of Knowledge 1 -International Baccalaureate	
Course #	0900800
Grade Level	9-12
Length	1 year
Prerequisite	Acceptance in the IB Program
Credit	1

The purpose of this course is to make explicit through analysis, comparison, and interdisciplinary integration, the concepts of knowledge and their verification in the disciplines of mathematics, natural sciences, human sciences, history, and in moral, political, and aesthetic judgments.

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Q Theory of Knowledge 2 -International Baccalaureate	
Course #	0900810
Grade Level	9-12
Length	1 year
Prerequisite	Theory of Knowledge 1 -IB
Credit	1
<p>The purpose of this course is to expand the concepts of knowledge and their verification in the disciplines of mathematics, natural sciences, human sciences, history, and in moral, political, and aesthetic judgments through analysis, comparison, and interdisciplinary integration.</p>	

Eastern and Western Heritage	
Graduation Requirement:	World History (WH)
Course #	21003701,2
Grade Level	9-12
Length	1 year
Prerequisite	Acceptance into IB Program
Credit	1
<p>Students engage in a study the development of the world community within the context of history by examining connections to the past to prepare for the future as participating members of a global society. Students use knowledge pertaining to Eastern and Western Heritage history, geography, economics, political processes, religion, ethics, diverse cultures, and humanities to solve problems in academic, civic, social, and employment settings.</p>	

*Visions and Their Pursuits: An American Tradition - United States History to 1920	
Graduation Requirements:	American History (AH)
Course #	21003801,2
Grade Level	9-12
Length	1 year
Prerequisite	Acceptance into IB Program
Credit	1
<p>The grade 9-12 Visions and Their Pursuits course consists of the following content area strands: World History, American History, Civics and Government,</p>	

<p>Geography, and Humanities. The primary content emphasis for this course pertains to the chronological study of the United States during the period of European exploration through World War I and the collective vision of historical time periods. Content will include, but is not limited to, the foundation and early development of the United States as organized by the visions of those who participated in the revolutions leading to the establishment and early success of the United States, the political, social, cultural, intellectual, and technological revolutions of the United States, the structure and function of political divisions, the organization of the federal government as outlined in the U.S. Constitution, the impact of economic, social, and political changes on traditional American values, reactions to changes, and growth of sectionalism, the failure of previous visions, and the emergence of an industrial, urban and pluralistic society that demands new visions to carry the nation forward.</p>	
Special Note:	<p>This course is one course of a three year sequence, which includes Eastern and Western Heritage (2100370) and Visions and Countervisions (2100390). The completion of this sequence fulfills the graduation requirements for American History and World History.</p> <p><i>Students earning credit in both Visions and Their Pursuits (2100380) or Visions and Countervisions (2100390) may not earn credit in American History (2100310) or American History Honors (2100320).</i></p>

*Visions and Counter visions: Europe, the United States and the World from 1848	
Graduation Requirements:	World History (WH)
Course #	21003901,2
Grade Level	9-12
Length	1 year
Prerequisite	Acceptance into IB Program

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Credit	1
<p>The grade 9-12 Visions and Countervisions course consists of the following content area strands: World History, American History, Geography, and Humanities. The primary content emphasis for this course pertains to the chronological study of major concepts and trends evidenced in the United States, Europe, and the world from 1848 to the present. Content should include, but is not limited to, the visions of revolution, nationalism, and imperialism evidenced in European history from 1848 to 1918, international politics from 1918 to 1945 emphasizing post-war Europe, cultural identities following nationalist and independent movements, the development and rise of communism, domestic issues affecting the United States from 1880 to the present, and the United States economic, political, and social policies and their effects on the world from 1898 to the present.</p>	
Special Note:	<p>This course is one course of a three year sequence, which includes Eastern and Western Heritage (2100370) and Visions and Their Pursuits (2100380). The completion of this sequence fulfills the graduation requirements for American History and World History. <i>Students earning credit in both Visions and Countervisions (2100390) and Visions and Their Pursuits (2100380) may not earn credit in American History (2100310) or American History Honors (2100320).</i></p>

Credit	Half credit (.5)
<p>The grade 9-12 The American Economic Experience: Scarcity and Choice consists of the following content area strands: American History, World History, Economics and Geography. The primary content emphasis for this course pertains to the study of the concepts and processes of economics in the American system. Content should include, but is not limited to, currency, banking, and monetary policy, the fundamental concepts relevant to the development of a market economy, the American mixed-market system, the global market and economy, major economic theories, the role and influence of the government and fiscal policies, economic measurements, tools, and methodology, personal finance, financial and investment markets, and the business cycle.</p>	
Special Note:	<p>Students earning credit in this course may not earn credit in Economics (2102310), Economics Honors (2102320), or The American Economic Experience Honors (2102390).</p>

Q *The American Economic Experience: Scarcity and Choice Honors	
Graduation Requirements:	Economics (EC)
Course #	21023900
Grade Level	9-12
Length	1 semester
Prerequisite	Acceptance into IB Program
Credit	Half credit (.5)
<p>The grade 9-12 The American Economic Experience: Scarcity and Choice consists of the following content area strands: American History, World History, Economics and Geography. The primary content emphasis for this course pertains to the study of the concepts and processes of economics in the American system. Content should include, but is not limited to, currency, banking, and monetary policy, the fundamental concepts relevant to the development of a market economy, the American mixed-market system, the global market and economy, major economic theories, the role and influence of the government and fiscal policies, economic measurements, tools, and methodology, personal finance, financial and investment markets, and the business cycle.</p>	

*The American Economic Experience: Scarcity and Choice	
Graduation Requirements:	Economics (EC)
Course #	21023800
Grade Level	9-12
Length	1 semester
Prerequisite	Acceptance into IB Program

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Special Notes: Students earning credit in this course may not earn credit in Economics (2102310), Economics Honors (2102320), or The American Economic Experience Honors (2102390).

Voluntary School/Community Service	
Course #	2104330
Grade Level	9-12
Length	Semester
Prerequisite	None
Credit	Half credit (.5)

The grade Voluntary School/Community Service course consists of the following content area strands: World History, American History, Geography, Humanities, Economics, and Civics and Government. The primary content emphasis for this course pertains to the concept of service to society and the engagement in activities that benefit communities. Content should include, but is not limited to, the identification of school or community challenges and needs, options for responding to identified needs, and the development and implementation of a personal plan for providing school or community service.

Special Note: To receive credit for this course, documentation of at least 75 hours of school or community service must be provided.

SPECIAL COURSES OFFERED ONLY BY
CRIMINAL JUSTICE ACADEMY

Legal Systems and Concepts	
Course #	21063805
Grade Level	9-12
Length	1 semester
Prerequisite	None
Credit	Half credit (.5)

The grade 9-12 Legal Systems and Concepts course consists of the following content area strands: American History, World History, Geography, Humanities, Economics, Civics and Government. The primary content for the course pertains to the examination of the American legal system and the nature of specific rights granted under the United States Constitution. Content should include, but is not limited to, the historical antecedents of laws and the

basis for the creation of laws, the background, principles and applications of the United States Constitution, the rights protected by the Constitution and precedent-setting cases related to these rights, the process for enacting criminal laws at the state and local levels, the stages of the criminal justice system, the government and private agencies which provide services to individuals accused of crimes, the citizen's role in the legal system, the role of women and diverse cultural groups within the justice system, and careers in the justice system.

Only used for Anytown

Multicultural Studies	
Course #	2104600
Grade Level	9-12
Length	1 semester
Prerequisite	None
Credit	Half credit (.5)

The grade 9-12 Multicultural Studies course consists of the following content area strands: American History, World History, Geography, Humanities, Civics and Government. The primary content emphasis for this course pertains to the study of the chronological development of multicultural and multiethnic groups in the United States and their influence on the development of American culture. Content should include, but is not limited to, the influence of geography on the social and economic development of Native American culture, the influence of major historical

events on the development of a multicultural American society and a study of the political, economic and social aspects of Native American, Hispanic American, African American and Asian American culture.

SPECIAL COURSES OFFERED ONLY by the
Cambridge University MAGNET PROGRAMS at
Clearwater, Dixie Hollins, and Tarpon Springs
High Schools

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Q Pre-AICE World History	
Course #	21093211,2
Grade Level	9-10
Length	1 year
Prerequisite	Acceptance into Pre-AICE
Credit	1
<p>The purpose of this course is to promote the acquisition of knowledge and understanding of human activity in the past, promote and understanding of the nature of cause and consequence, continuity and change, similarity and difference, and to encourage international understanding. The content should include: the Revolutions of 1848, unification of Germany and Italy, civil war in the United States, First World War, causes of World War II and the Cold War and US/USSR relations. Students build both their historical knowledge and skills in using historical concepts and explanatory tools.</p>	

Q *AICE International History AS (AICE INTL HIST AS)	
Graduation Requirements:	World History (WH)
Course #	2100490
Grade Level	11-12
Length	1 year
Prerequisite	Acceptance into AICE
Credit	1.0
<p>The Cambridge International AS and A Level History syllabus builds upon skills gained at Cambridge IGCSE (or equivalent) level study. The emphasis is again on both historical knowledge and on the skills required for historical research. Learners develop an understanding of cause and effect, continuity and change, similarity and difference, and use historical evidence as part of their studies. The flexible and wide-ranging syllabus covers six periods, ranging from the history of the Caribbean from 1794 to 1900, to international history from 1945 to 1991. Learners can also study periods from European, Asian, African and American history. Teachers choose which periods to focus on, allowing them to build a course that reflects their learners' interests and staff specialties, or which is relevant to the local or regional context.</p>	

Q *AICE US History AS	
Graduation Requirements:	American History (AH)
Course #	2100500
Grade Level	11-12
Length	1 year
Prerequisite	Acceptance into AICE
Credit	1.0
<p>The Cambridge International AS and A Level History syllabus builds upon skills gained at Cambridge IGCSE (or equivalent) level study. The emphasis is again on both historical knowledge and on the skills required for historical research. Learners develop an understanding of cause and effect, continuity and change, similarity and difference, and use historical evidence as part of their studies. The flexible and wide-ranging syllabus covers six periods, ranging from the history of the Caribbean from 1794 to 1900, to international history from 1945 to 1991. Learners can also study periods from European, Asian, African and American history. Teachers choose which periods to focus on, allowing them to build a course that reflects their learners' interests and staff specialties, or which is relevant to the local or regional context.</p>	

Q *AICE ECON 1 AS	
Graduation Requirements:	Economics (EC)
Course #	2102321
Grade Level	11-12
Length	1 year
Prerequisite	Acceptance into AICE
Credit	1.0
<p>Through the Cambridge International AS and A Level Economics syllabus, learners study how to explain and analyze economic issues and arguments, evaluate economic information, and organize, present and communicate ideas and judgments clearly. The syllabus covers a range of basic economic ideas, including an introduction to the price system and government intervention, international trade and exchange rates, the measurement of employment and inflation, and the causes and consequences of inflation. Learners also study the price system, the theory of the firm, market failure, macroeconomic theory and policy, and economic growth and development.</p>	


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Q *AICE ECON 2 AL	
Graduation Requirements:	Economics (EC)
Course #	2102322
Grade Level	11-12
Length	1 year
Prerequisite	Acceptance into AICE
Credit	1.0
<p>Through the Cambridge International AS and A Level Economics syllabus, learners study how to explain and analyze economic issues and arguments, evaluate economic information, and organize, present and communicate ideas and judgments clearly. The syllabus covers a range of basic economic ideas, including an introduction to the price system and government intervention, international trade and exchange rates, the measurement of employment and inflation, and the causes and consequences of inflation. Learners also study the price system, the theory of the firm, market failure, macroeconomic theory and policy, and economic growth and development.</p>	

Course #	2108310
Grade Level	11-12
Length	1 year
Prerequisite	Acceptance into AICE
Credit	1.0
<p>In a rapidly changing world, Cambridge International AS and A Level Sociology offers learners the opportunity not only to explore the processes that are shaping current trends, but also to develop an understanding of the complexity and diversity of human societies and their continuities with the past. The study of sociology stimulates awareness of contemporary social, cultural and political issues, and focuses on the importance of examining these issues in a rigorous, reasoned and analytical way.</p>	

Q AICE Psych I AS	
Course #	2107360
Grade Level	11-12
Length	1 year
Prerequisite	Acceptance into AICE
Credit	1.0
<p>Cambridge International AS and A Level Psychology learners develop their appreciation of the subject by exploring the ways in which psychology is conducted. As part of their studies, learners also review important research; this provides an insight into the ways in which psychology has been applied, thereby leading to a better understanding of key themes and issues. The syllabus reflects the five core areas of psychology, namely cognitive, social, physiological, and developmental and the psychology of individual differences; it also relates psychology to education, health, organizations, the environment and abnormality.</p>	

Explanation of Symbols	
Symbol	Explanation
*	Course meets Social Studies graduation requirement.
	<p>The Pinellas County Schools virtual symbol indicates this course is available in a virtual learning environment.</p> <p>All PCS Pinellas Virtual School (PVS) courses are aligned with the Next Generation Sunshine State Standards (NGSSS) and in the Board approved MS and HS Course Code Directories.</p>

Q AICE Sociology I AS

2013-2014 HS TECHNOLOGY EDUCATION

1-25-13

Drafting/Illustrative Design Technology

Technical Design (Program 8401000)
 (New Program will replace Drafting/Illustrative Design Technology)

*Drafting/Illustrative Design Technology I	
Course #	86008101,2
Grade Level	9-12
Length	1 year
Prerequisite	None
Credit	1
This course provides students with an introduction to the knowledge, human relations, and technical skills of drafting technology.	

Technical Design 1-3	
Course #	Q 8401010 Technical Design 1
	Q 8401020 Technical Design 2
	Q 8401030 Technical Design 3
Grade Level	9-12
Length	1-3 years
Prerequisite	Courses must be take in order
Credit	1-3

*Drafting/Illustrative Design Technology II	
Course #	86008201,2
Grade Level	10-12
Length	1 year
Prerequisite	Drafting & Design Technology I
Credit	1
This course provides students with an intermediate understanding of the knowledge, human relations, and technical skills of drafting and design technology.	

The purpose of this program is to provide students with a foundation of knowledge and technically oriented experiences in the study of technical design. This program focuses on transferable skills and stresses understanding and operation of complex two and three-dimensional graphics, editing, and image analysis tools to better understand, illustrate, explain, and present technical concepts and principles. Science, math, and visual design concepts are reinforced throughout each course.

Q* Drafting/Illustrative Design Technology III	
Course #	86008301,2
Grade Level	11-12
Length	1 year
Prerequisite	Drafting & Design Technology II
Credit	1
This course provides students with an advanced understanding of the knowledge, human relations and technical skills of drafting and design technology.	

The content includes, but is not limited to, a study of the purposes, instruments, processes, and technical skills associated with technologies used in the design, creation, and deployment of technical design renderings. In addition to complex illustration tools, the content of this program includes the development of essential computer application skills (e.g., word processing, spreadsheet, presentation). The content and activities will also include the study of entrepreneurship, safety, and leadership skills.

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Construction Technology I Program Deleted – No New Enrollments	
Course #	8600710
Grade Level	9-12
Length	1 year
Prerequisite	None
Credit	1
This course provides students with an introduction to the knowledge, human relations, and technical skills of construction technology.	

*Construction Technology II Program Deleted – No New Enrollments	
Course #	8600720
Grade Level	9-12
Length	1 year
Prerequisite	Construction Technology I
Credit	1
This course provides students with an intermediate understanding of the knowledge, human relations, and technical skills of construction technology.	

Q* Construction Technology III Program Deleted – No New Enrollments	
Course #	8600730
Grade Level	9-12
Length	1 year
Prerequisite	Construction II
Credit	1
This course provides students with an advanced understanding of the knowledge, human relations, and technical skills of construction technology.	

Communications Technology These courses must be taken in sequence.
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Q *Communications Technology I	
Course #	86010101,2
Grade Level	9-12
Length	1 year
Prerequisite	None
Credit	1
This course provides students with an introduction to the knowledge, human relations and technical skills of communications technology.	
<i>*Quality Points approved for the first time in January 2013, for courses already existing in the course code directory, become effective with the 2013-2014 entering ninth grade class and subsequent years. (see district policy 5420.03, Final Grades, (H) Honors Quality Points)</i>	
Note: Students not enrolled in the 2013-2014 entering ninth grade class may not receive quality points for these courses.	

Q*Communications Technology II	
Course #	86010201,2
Grade Level	10-12
Length	1 year
Prerequisite	Communication Technology I
Credit	1
This course provides students with an intermediate understanding of the knowledge, human relations, and technical skills of communications technology.	
<i>*Quality Points approved for the first time in January 2013, for courses already existing in the course code directory, become effective with the 2013-2014 entering ninth grade class and subsequent years. (see district policy 5420.03, Final Grades, (H) Honors Quality Points)</i>	
Note: Students not enrolled in the 2013-2014 entering ninth grade class may not receive quality points for these courses.	

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Q* Communications Technology III	
Course #	86010301,2
Grade Level	11-12
Length	1 year
Prerequisite	Communication Technology II
Credit	1
This course provides students with an advanced knowledge of the human relations and technical skills of printing, graphic, digital, and electronic communications technology.	

Q* Material & Processes Technology III	
Course #	86011301,2
Grade Level	11-12
Length	1 year
Prerequisite	Materials and Processes Tech. II
Credit	1
This course provides students with an advanced understanding of the knowledge, human relations, and technical skills of industrial materials and processes technology.	

Material and Processes Technology
These courses must be taken in sequence.

Technology Studies
These courses must be taken in sequence.

*Material and Processes Technology I	
Course #	86011101,2
Grade Level	9-12
Length	1 year
Prerequisite	None
Credit	1
This course provides students with an introduction to the knowledge, human relations, and technical skills of industrial materials and processes technology.	

*Technology Studies I	
Course #	86005101,2
Grade Level	9-12
Length	1 year
Prerequisite	None
Credit	1
This course provides students with an introduction to the knowledge, human relations, and technological skills found today in technical professions.	

*Material and Processes Technology II	
Course #	86011201,2
Grade Level	10-12
Length	1 year
Prerequisite	Materials & Processes Technology I
Credit	1
This course provides students with an intermediate understanding of the knowledge, human relations, and technical skills of industrial materials and processes technology.	

*Technology Studies II	
Course #	86006101,2
Grade Level	10-12
Length	1 year
Prerequisite	Technology Studies I
Credit	1
This course provides students with an intermediate understanding of the knowledge, human relations, and technological skills found today in technical professions.	

*Technology Studies III	
Course #	86017101,2
Grade Level	11-12
Length	1 year
Prerequisite	Technology Studies II
Credit	1
This course provides students with an advanced understanding of the knowledge, human relations, and	

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technological skills found today in technical professions.

technological skills found today in aerospace technology.

Aerospace Technology

These courses must be taken in sequence.

The purpose of this program is to provide students with a foundation of knowledge and technically oriented experiences in the study of aerospace technology, its effect upon our lives, and the choosing of an occupation. The content and activities will also include the study of safety and leadership skills. This program focuses on transferable skills and stresses understanding and demonstration of the technological tools, machines, instruments, materials, processes and systems in business and industry.

Engineering Technology

These courses must be taken in sequence.

The purpose of this program is to provide students with a foundation of knowledge and technically oriented experiences in the study of the applications of engineering and its effect upon our lives and the choosing of an occupation. The content and activities will also include the study of entrepreneurship, safety, and leadership skills. This program focuses on transferable skills and stresses understanding and demonstration of the technological tools, machines, instruments, materials, processes and systems in business and industry.

*Aerospace Technology I

Course # 86005801,2

Grade Level 9-12

Length 1 yr.

Prerequisite None

Credit 1

This course provides students with an introduction to the knowledge, human relations, and technological skills found today in aerospace technology.

*Engineering Technology I

Course # 86005700

Grade Level 9-12

Length 1 year

Credit 1

This course provides students with an introduction to the knowledge, human relations, and technological skills found today in technical professions.

*Aerospace Technology II

Course # 86006801,2

Grade Level 10-12

Length 1 yr.

Prerequisite Aerospace Technology I

Credit 1

This program provides students with an intermediate understanding of the knowledge, human relations, and technological skills found today in aerospace technology.

*Engineering Technology II

Course # 86006700

Grade Level 9-12

Length 1 year

Credit 1

This program provides students with an intermediate understanding of the knowledge, human relations, and technological skills found today in technical professions.

Q* Aerospace Technology III

Course # 86017801,2

Grade Level 11-12

Length 1 yr.

Prerequisite Aerospace Technology II

Credit 1

This program provides students with an advanced understanding of the knowledge, human relations, and

Q* Engineering Technology III

Course # 86017700

Grade Level 9-12

Length 1 year

Credit 1

This program provides students with an advanced understanding of the knowledge, human relations, and technological skills found today in technical profession.

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Applied Engineering Technology (New Program 8401100) will replace Engineering Technology
These courses must be taken in sequence.

Applied Engineering Technology I – III	
Course #	Q 8401110 Applied Engineering Technology I
	Q 8401120 Applied Engineering Technology II
	Q 8401130 Applied Engineering Technology III
Grade Level	9-12
Length	1-3 years
Prerequisite	Courses must be taken in order
Credit	1-3
<p>The purpose of this program is to provide students with a foundation of knowledge and technically oriented experiences in the study of applied engineering and its effect upon our lives and the choosing of an occupation. The content and activities will also include the study of entrepreneurship, safety, and leadership skills. This program focuses on transferable skills and stresses understanding and demonstration of the technological tools, machines, instruments, materials, processes and systems in business and industry.</p> <p>The content includes but is not limited to study in mechanical, electrical, civil, and environmental engineering disciplines.</p>	

Pathways to Engineering
<p>The purpose of this program is to provide students with a foundation of knowledge and technically oriented experiences in the study of the applications of engineering and its effect upon our lives and the choosing of an occupation. The content and activities will also include the study of entrepreneurship, safety, and leadership skills. This program focuses on transferable skills and stresses understanding and demonstration of the technological tools, machines, instruments, materials, processes and systems in business and industry. This program is a planned sequence of instruction based on the Project Lead the Way engineering program of the same title.</p>

Q *Introduction To Engineering Design	
Course #	8600550
Grade Level	9-12
Length	1 year
Prerequisite	
Credit	1
<p>This course teaches problem-solving skills using a design development process. Models of product solutions are created, analyzed and communicated using solid modeling computer design software.</p>	

Q* Digital Electronics	
Course #	8600530
Grade Level	9-12
Length	1 year
Prerequisite	
Credit	1
<p>This is a course in applied logic that encompasses the application of electronic circuits and devices. Students are exposed to the design process of combinational and sequential logic design, teamwork, communication methods, engineering standards, and technical documentation. Computer simulation software is used to design and test digital circuitry prior to the actual construction of circuits and devices.</p>	

Q* Principles of Engineering	
Course #	8600520
Grade Level	9-12
Length	1 year
Prerequisite	
Credit	1
<p>This course helps students understand the field of engineering/engineering technology and prepares them for postsecondary engineering programs by developing a more in-depth mastery of the required knowledge and skills in mathematics, science, and technology. Through problem-based learning strategies, students study key engineering topics, including mechanisms, energy sources, energy applications, machine control, fluid power, statics, material properties, material testing, statistics, and kinematics. Exploring various technology systems and manufacturing processes help students learn how engineers and technicians use math, science and technology in an engineering problem solving process</p>	

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to benefit people. The course also includes concerns about social and political consequences of technological change.

Q* Aerospace Engineering

Course # 8600620

Grade Level 9-12

Length 1 year

Prerequisite

Credit 1

This course is intended to engage students in analyzing and designing solutions to engineering design problems related to aerospace information systems, astronautics, rocketry, propulsion, the physics of space science, space life sciences, the biology of space science, principles of aeronautics, structures and materials, and systems engineering. Students work in teams, exploring hands-on projects and activities to learn the characteristics of aerospace engineering and work on major problems to be exposed to the various situations that aerospace engineers face in their careers.

Q* Biotechnical Engineering

Course # 8600630

Grade Level 9-12

Length 1 year

Prerequisite

Credit 1

This course is intended to expose students to the diverse fields of biotechnology including biomedical engineering, bio-molecular genetics, bioprocess engineering, and agricultural and environmental engineering. Students will be engaged in engineering design problems related to biomechanics, cardiovascular engineering, genetic engineering, agricultural biotechnology, tissue engineering, biomedical devices, human interface, bioprocesses, forensics, and bio-ethics. This course applies and concurrently develops secondary level knowledge and skills in biology, physics, technology, and mathematics.

Q* Computer Integrated Manufacturing

Course # 8600560

Grade Level 9-12

Length 1 year

Prerequisite

Credit 1

This course applies principles of robotics and automation. The course builds on computer solid modeling skills developed in Introduction to Engineering Design. Students use CNC equipment to produce actual models of their three-dimensional designs. Fundamental concepts of robotics used in automated manufacturing, and design analysis are included.

Q* Civil Engineering and Architecture

Course # 8600590

Grade Level 9-12

Length 1 year

Prerequisite

Credit 1

This course provides an overview of the fields of Civil Engineering and Architecture, while emphasizing the interrelationship and dependence of both fields on each other. Students use state of the art software to solve real world problems and communicate solutions to hands-on projects and activities. This course covers topics such as the Roles of Civil Engineers and Architects, Project Planning, Site Planning, Building Design, and Project Documentation and Presentation.

Q* Engineering Design and Development

Course # 8600650

Grade Level 9-12

Length 1 year

Prerequisite

Credit 1

The purpose of this course is to serve as a capstone course to provide students with the opportunity to develop a solution to a design problem from start to finish. Students work in teams to design, engineer, create a prototype, perform product testing, and then produce a finished product. This would involve using ALL of the knowledge previously learned, not only in technology education, but across the curriculum. Students will be expected to create and deliver a formal

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report on the project.

POWER AND ENERGY TECHNOLOGY
These courses must be taken in sequence.

SVEC

(Seminole, Osceola, and Largo High Schools)

The purpose of this program is to provide students with a foundation of knowledge and technically oriented experiences in the study of power and energy technology. This program focuses on transferable skills and stresses understanding and demonstration of the technological tools, machines, instruments, materials, processes and systems in business and industry. The content includes, but is not limited to, a study of power systems and the kinds and sources of energy. The content and activities will also include the study of entrepreneurship, safety, and leadership skills.

Power and Energy Technology I

Course # 8601310

Grade Level 9-12

Length 1 year

Prerequisite None

Credit 1

This course provides students with an introduction to the knowledge, human relations, and technical skills of energy and power technology.

Power and Energy Technology II

Course # 8601320

Grade Level 9-12

Length 1

Prerequisite Power and Energy Technology I

Credit 1

This course provides students with intermediate understanding of the knowledge, human relations, and technical skills of energy and power technology.

Q Power and Energy Technology III

Course # 8601330

Grade Level 9-12

Length 1 year

Prerequisite Power and Energy Technology II

Credit 1

This course provides students with advanced understanding of the knowledge, human relations, and technical skills of energy and power technology.

Geospatial/Geographic Information Systems (GIS)
Technology Program # 8600200

These courses must be taken in sequence.

Largo High School

This program is designed to prepare students for employment as a GIS Technology Assistant or a GIS Technician. Students are introduced to the concepts of Geospatial/Geographic Information System (GIS) and Remote Sensing (RS) Technology — an organized collection of computer hardware, specialized software, and geographic data designed to efficiently capture, store, update, manipulate, analyze, and display all forms of geographically referenced (spatial) information. Students will research and learn detailed information about global and local matters related to political, environmental, commercial, and other areas, through the use of specialized geospatial tools and products.

Introduction to GIS/RS Technology

Course # 86002601,2

Grade Level 9-12

Length 1 year

Prerequisite None

Credit 1

While learning about the basics from the evolution of maps and projections, to learning about the modern uses of a geographic information system, students will complete many “hands-on” activities such as creating their own maps using compasses, rulers and tape measures. Specific areas of focus for this course include fundamental GIS and remote sensing concepts, project management strategies, and essential basic computer skills. Students will acquire a basic understanding of

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geographic terms and concepts necessary for the appropriate use of GIS, including concepts of spatial variables, scale, map projection, and map coordinate systems. Students will also be exposed to the history of GIS, how GIS fits into overall information management systems, and a variety of applications in which GIS can contribute to analysis and decision-making. They will also use a software application used to simulate satellite movements and utilize data, imagery, and GIS software to study their state, county, and school campus. This hands-on course provides step by step instructions that will take you from learning the basics of these programs; like launching a map, viewing and editing metadata, to creating new shape files, and eventually to building a local map with data that you download from the Internet. While learning these valuable skills, students will be using the same geospatial tools that GIS Technicians in the industry are using.

*GIS/RS Analysis and Modeling	
Course #	86002801,2
Grade Level	9-12
Length	1 year
Prerequisite	Essential GIS/RS Tools and Processes
Credit	1
<p>This course covers Surface Analysis, 3D modeling, and working with street networks. This course directs students through five types of applications in Surface Analysis. It focuses on the various methods and uses of displaying continuous, or grid, data over a surface. Students will be expected to map data such as elevation, rainfall and temperature – data that differs from one location to the next on the surface of the earth. The five types of analyses used in this course are: mapping distance, density, interpolation, surface analysis, and statistics. This course will conclude with a short project where student will use their newly acquired skills to perform surface analysis tasks to their local area. There is a strong emphasis on students viewing their local area and the world in three dimensions. Students will learn skills such as viewing and displaying data, acquiring and processing data from online resources, displaying non-elevation data in 3D, applying surface analysis to 3D, adding raster and vector data, animating data, and exporting projects. Students will also explore in greater depth data layers previously studied in order to analyze the flow or navigation of networked data. They will also delve into the specifics of network analysis and examine how problems dealing with geospatial networks and routing may be found in the business world and in communities. The five types of network analyses covered in this course include Exploring Geospatial Networks, Finding the Best Route, Finding the Closest Facility, Determining Service Areas, and Modeling Real World Traffic Flow.</p>	

Essential GIS/RS Tools and Processes	
Course #	86002701,2
Grade Level	9-12
Length	1 year
Prerequisite	Introduction to GIS/RS Technology
Credit	1
<p>Students in this course will use their knowledge of mapping and cataloging to complete numerous geospatial applications. They will learn techniques in displaying, managing, querying, symbolizing, and Create geospatial data. Students will learn the skills required to work on and/or build advanced GIS/RS projects. Students will follow a course of hands-on instruction to learn advanced skills ranging from introductory spatial analysis to examining spatial relationships within a specified area. Additionally, they will study site suitability to using three-dimensional generating software to gain a different perspective of their environment by modeling surfaces. Students will use scenarios to map features and study relationships that exist in their local community. Students will use remote sensing applications and data to develop skills that will allow them to take images and convert them to data that they will use for different types of analyses. The types of analyses will include using data in image analysis, feature extraction, vegetation mapping and change detection, and image enhancement.</p>	

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*Advanced GIS/RS Applications	
Course #	86002901,2
Grade Level	9-12
Length	1 year
Prerequisite	GIS/RS Analysis and Modeling
Credit	1
<p>This project-based, capstone course challenges students to apply all skills and techniques learned in the previous three courses to create their first extensive GIS and Remote Sensing project. In this project, students will work in teams to create a three-dimensional map of their campus using GIS and RS tools. Once the base map is completed, each student selects one of the designated campus-based projects to complete. Students will be involved with all parts of the process including problem identification, data collection using GPS units, determining the appropriate type of analysis to be conducted or type of product to address the problem statement, performing the analysis, Create their solution, and formally presenting the project to interested stakeholders. Each project integrates project planning, geographic problem solving, GIS/RS tools and software applications, project management, data creation, data manipulation, data analysis, report, and presentations.</p>	

<p>Applied Robotics These courses must be taken in sequence.</p>

Q Foundations of Robotics	
Course #	9410110
Grade Level	9-12
Length	1 year
Prerequisite	None
Credit	1
<p>This course provides students with a foundation in content and skills associated with robotics and automation, including artificial intelligence, electronics, physics, and principles of engineering.</p>	

Q Robotic Design Essentials	
Course #	9410120
Grade Level	9-12
Length	1 year
Prerequisite	Foundations of Robotics
Credit	1
<p>This course provides students with content and skills essential to the design and operation of robotics, including artificial intelligence, sensors, electronic devices, engineering technologies, motion physics, electrical motors, programming, simulation and modeling, and critical thinking skills.</p>	

Q Robotic Systems	
Course #	9410130
Grade Level	9-12
Length	1 year
Prerequisite	Robotic Design Essentials
Credit	1
<p>This course provides students with extended content and skills essential to the design and operation of robotic systems, including artificial intelligence, specialized sensors, electronic applications, engineering technologies, environmental physics, manufacturing, topographical considerations, programming, communications, simulation and modeling, and critical thinking skills.</p>	

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Q Robotic Applications Capstone	
Course #	9410140
Grade Level	9-12
Length	1 year
Prerequisite	Robotic Systems
Credit	1
<p>This course provides students with extended content and skills essential to the design and operation of autonomous robotic systems in the context of a capstone project.</p>	

understanding and demonstration of the technological tools, machines, instruments, materials, processes and systems in business and industry.

Production Technology
These courses must be taken in sequence.

Automation and Production Technology
These courses must be taken in sequence.

Automation and Production Technology 1-4 (3 and 4 are Q)	
Course #	9200110, 9200120
	Q 92001130, Q 92001140
Grade Level	9-12
Length	1-4 years
Prerequisite	Courses must be taken in order
Credit	1-4
<p>This program offers a sequence of courses that provides coherent and rigorous content aligned with challenging academic standards and relevant technical knowledge and skills needed to prepare for further education and careers in the manufacturing career cluster; provides technical skill proficiency, and includes competency-based applied learning that contributes to the academic knowledge, higher-order reasoning and problem-solving skills, work attitudes, general employability skills, technical skills, and occupation-specific skills, and knowledge of all aspects of the manufacturing career cluster. This program offers a broad foundation of knowledge and skills to prepare students for employment in Automation and Production positions. The content includes but is not limited to providing students with a foundation of knowledge and technically oriented experiences in the study of automation technology, its application in manufacturing, engineering and robotics, and its effect upon our lives and the choosing of an occupation. The content and activities will also include the study of enterprise systems, safety, quality, and leadership skills. This program focuses on transferable skills and stresses</p>	

*Production Technology 1-3 (3 is Q), all levels meet practical arts	
Course #	8600540 Production Technology I
	8600640 Production Technology II
	Q 8601740 Production Technology III
Grade Level	9-12
Length	1-3
Prerequisite	Courses must be taken in order
Credit	1-3
<p>The purpose of this program is to provide students with a foundation of knowledge and technically oriented experiences in the study of production technology and its effect upon our lives and the choosing of an occupation. The content and activities will also include the study of entrepreneurship, safety, and leadership skills. This program focuses on transferable skills and stresses understanding and demonstration of the technological tools, machines, instruments, materials, processes and systems in business and industry. In addition to the above courses, the Advanced Applications in Technology (8601900) is appropriate to be used for content area continuation in this program after all three credits of this program have been completed. The purpose of Advanced Applications in Technology course is to provide students with a capstone opportunity to develop a school based project from "vision" to "reality". Working in teams to design, engineer, manufacture, construct, test, redesign, test again; and then produce a finished "project". This would involve using ALL the knowledge previously learned, not only in Engineering & Technology Education but also across the curriculum. See the Advanced Applications in Technology framework for more information.</p>	

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Solar Energy Technology	
These courses must be taken in sequence.	
Course #	Q 8006110 Energy Foundations (Energy Industry Fundamentals)
	Q 8006120 Introduction to Alternative Energy
	Q 8006130 Solar Energy Technician
Grade Level	9-12
Length	1-3
Prerequisite	Courses must be taken in sequence
Credit	1-3
<p>This course is designed to develop competencies in the areas of energy history and the global impact of renewable and non-renewable resources; career opportunities; scientific and research concepts; biological and physical science principles; environmental principles; and solar energy safety. Laboratory-based activities are an integral part of this course. These include the safe use and application of appropriate technology, scientific testing and observation equipment.</p>	

Biomedical Sciences (PLTW)	
This program may be offered only at East Lake HS.	
Course #	Q 8708110 Principles of the Biomedical Sciences
	Q 8708120 Human Body Systems
	Q 8708130 Medical Interventions
	Q 8708140 Biomedical Innovations <i>Note: This course is intended to serve as a capstone course.</i>
Grade Level	9-12
Length	1-4
Prerequisite	Courses must be taken in sequence
Credit	1-4
<p>The purpose of this program is to provide students with a foundation of knowledge and technically oriented experiences in the study and applications of biomedical sciences and the possibilities in the biomedical field. This program uses a combination of activity-based, project-based and problem-based (APPB) learning styles to engage students. The content includes but is not limited to the study of human body systems, medicine, health, key biological concepts, communication, transport of substances, locomotion, metabolic processes, defense, protection, research processes, engineering principles and an introduction to bio-informatics. The program also includes the design and development of various medical interventions, including vascular stents, cochlear implants, and prosthetic limbs. In addition, students review the history of organ transplants and gene therapy, and stay updated on cutting-edge developments via current scientific literature.</p> <p>Hands-on projects include designing experiments, investigating the structures and functions of body systems, and using data acquisition software to monitor body functions such as muscle movement, reflex and voluntary actions, and respiratory operation. Using 3D imaging, data acquisition software, and current scientific research, students design a product that can be used as a medical intervention.</p> <p>The capstone course gives student teams the opportunity to work with a mentor, identify a scientific research topic, conduct research, write a scientific paper, and defend team conclusions and recommendations to a panel of outside reviewers.</p>	

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Advanced Applications in Technology

Q* Advanced Technology Applications	
Course #	86019001,2
Grade Level	9-12
Length	1-3 years
Prerequisite	Completed three credits of a Technology Education Program.
Credit	1-3
<p>This Advanced Applications in Technology course may be taken by a student for one or more semesters. A student may earn multiple credits in this course. The purpose of this course is to provide students with the opportunity to develop a project from a vision to reality. Working in teams to design, engineer, manufacture, construct, test, redesign, test again, and then produce a finished project. This would involve using ALL of the knowledge previously learned, not only in technology education but across the curriculum.</p>	

Explanation of Symbols	
Symbol	Explanation
*	Practical Arts Courses meet the Fine Arts High School Graduation Requirement for students who entered their first year of high school in the 2007-2008 school year and subsequent years due to the statutory changes in the revised high school graduation section of the statute.

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**Art Appreciation: History/Criticism	
Course #	01003100
Grade Level	9-10
Length	1 semester
Prerequisite	None
Credit	1/2
<p>Students take an inquiry-based approach to exploring, researching, and analyzing works of art across time and cultures. In developing art-specific vocabulary, students explore how the structural elements of art and organizational principles of design have been used to solve artistic challenges and create meaning. Students learn to identify the functions, forms, media, styles of art, cultural ideas, and themes related to time periods and geographical places. Career options related to art history and criticism are also explored. This course incorporates hands-on activities and consumption of art materials.</p>	


Q **Art History and Criticism 2 Honors	
Course #	0100340
Grade Level	9-10
Length	1 year
Prerequisite	Art History and Criticism 1
Credit	1
<p>Students explore art and architecture as an expressive response to the artist's experience. Through research and analysis of significant works and their historical contexts students examine changes in the understanding and structures of art production throughout the world. Students examine influential factors, such as people and events, societal and political changes, technological advancements, philosophical ideas, and cross-cultural influences as a means of discovering and tracing the changing definition of art. Student historians research and write about art using appropriate discipline-based methods (i.e., historical, critical, and aesthetic). This course may incorporate hands-on activities and consumption of art materials.</p>	


Q **Art History and Criticism 1 Honors	
Course #	0100330
Grade Level	9-10
Length	1 year
Prerequisite	Two Dimensional Studio Art 1 or Three Dimensional Studio Art 2
Credit	1
<p>Students explore the role of art in history and culture through observation and analysis of significant works of art and architecture from Prehistory through the 16th century. Student historians investigate the societal context of works, considering traditional forms and conventions of representation, symbology, and the purposes for which the art was created. The course includes an introduction to the methodologies of art history and criticism, study of the media and techniques used by artists from various cultures and time periods, and use of appropriate terminology in verbal and written analyses of artworks drawn from around the world. Student historians critique and compare works across time and cultures to develop an understanding of, and respect for, the visual arts as a chronicle of history, cultural heritage, and the human experience. This course may incorporate hands-on activities and consumption of art materials.</p>	

**Art in World Cultures	
Course #	01003200
Grade Level	9-12
Length	1 semester
Prerequisite	None
Credit	1/2
<p>Students' survey selected works of art, utilitarian artworks, and architecture from around the world. Students explore both the traditional forms and contemporary interpretations, including analysis of purpose, theme, cultural and historical context, formal qualities, symbols, and media. Students explore and compare various cultural responses to universal themes, as evidenced in their art. Students also consider the value of preserving these works in today's museums and other public buildings, private collections, and in digital format. This course may incorporate hands-on activities and consumption of art materials.</p>	

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**Creating Two-Dimensional Art .5	
Course #	0101355
Grade Level	9-12
Length	1 semester
Prerequisite	None
Credit	1/2
<p>Students investigate a wide range of media and techniques, from both an historical and contemporary perspective, as they engage in the art-making processes of creating two-dimensional works, which may include drawing, painting, printmaking, and/or collage. Student artists reflect on their own artwork and that of others through critical analysis to achieve artistic goals related to craftsmanship, technique, and application of 21st-century skills. This course incorporates hands-on activities and consumption of art materials.</p>	

	
**Creating Three-Dimensional Art .5	
Course #	0101365
Grade Level	9-12
Length	1 semester
Prerequisite	None
Credit	1/2
<p>Students in Creating Three-Dimensional Art, investigate a wide range of media and techniques, from both an historical and contemporary perspective, as they engage in the art-making processes of creating 3-D artworks, which may include sculpture, assemblage, and/or ceramics. Student artists reflect on their own artwork and that of others through critical analysis to achieve artistic goals related to craftsmanship, technique, and application of 21st-century skills. This course incorporates hands-on activities and consumption of art materials.</p>	

**Two-Dimensional Studio Art 1	
Course #	01013000
Grade Level	9-12
Length	1 year

Prerequisite	None
Credit	1
<p>Students experiment with the media and techniques used to create a variety of two dimensional (2-D) artworks through the development of skills in drawing, painting, printmaking, collage, and/or design. Students practice, sketch, and manipulate the structural elements of art to improve mark making and/or the organizational principles of design in a composition from observation, research, and/or imagination. Through the critique process, students evaluate and respond to their own work and that of their peers. This course incorporates hands-on activities and consumption of art materials.</p>	

**Two-Dimensional Studio Art 2	
Course #	01013100
Grade Level	10-12
Length	1 year
Prerequisite	Two-Dimensional Art 1
Credit	1
<p>Students develop and refine technical skills and create 2-D compositions with a variety of media in drawing, painting, printmaking, collage, and/or design. Student artists sketch, manipulate, and refine the structural elements of art to improve mark-making and/or the organizational principles of design in a composition from observation, research, and/or imagination. Through the critique process, students evaluate and respond to their own work and that of their peers. This course incorporates hands-on activities and consumption of art materials.</p>	

Q **Two-Dimensional Studio Art 3-honors	
Course #	01013200
Grade Level	11-12
Length	1 year
Prerequisite	Two-Dimensional Studio Art 2
Credit	1
<p>Students demonstrate proficiency in the conceptual development of content in drawing, painting, printmaking, collage, and/or design to create self-directed or collaborative 2-D artwork suitable for inclusion in a portfolio. Students produce works that show evidence of developing craftsmanship and quality in the composition. Through the critique</p>	

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process, students evaluate and respond to their own work and that of their peers. Through a focused investigation of traditional techniques, historical and cultural models, and individual expressive goals, students begin to develop a personal art style. This course incorporates hands-on activities and consumption of art materials.

Students explore spatial relationships through the use of nonobjective, abstract, or representational forms, products, or structures. Instruction may include, but is not limited to, content in green or industrial design, sculpture, ceramics, or building arts. Processes and techniques for substitution include wheel-thrown clay, glaze formulation and application, or extruded, cast, draped, molded, laminated, or soft forms. Media may include, but are not limited to, clay, wood, metal, plaster, paper maché, and plastic with consideration of the workability, durability, cost, and toxicity of the media used. 3-D artists experiment with and manipulate space-producing devices, including overlapping, transparency, interpenetration, vertical and horizontal axis, inclined planes, disproportionate scale, fractional or abstracted representation, and spatial properties of the structural art elements. Craftsmanship and quality are reflected in the surface and structural qualities of the completed art forms. Students in the 3-D art studio focus on use of safety procedures for process, media, and techniques. Student artists use an art criticism process to evaluate, explain, and measure artistic growth in personal or group works. This course incorporates hands-on activities and consumption of art materials.

****Three-Dimensional Studio Art 1**

Course #	01013300
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Grade Level	9-12
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Length	1 year
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Prerequisite	None
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Credit	1
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Students explore how space, mass, balance, and form combine to create aesthetic forms or utilitarian products and structures. Instruction may include, but is not limited to, content in green or industrial design, sculpture, ceramics, or building arts. Media may include, but are not limited to, clay, wood, plaster, and paper maché with consideration of the workability, durability, cost, and toxicity of the media used. Student artists consider the relationship of scale (i.e., hand-held, human, monumental) through the use of positive and negative space or voids, volume, visual weight, and gravity to create low/high relief or freestanding structures for personal intentions or public places. They explore sharp and diminishing detail, size, position, overlapping, visual pattern, texture, implied line, space, and plasticity, reflecting craftsmanship and quality in the surface and structural qualities of the completed art forms. Students in the 3-D art studio focus on use of safety procedures for process, media, and techniques. Student artists use an art criticism process to evaluate, explain, and measure artistic growth in personal or group works. This course incorporates hands-on activities and consumption of art materials.

Q **Three-Dimensional Studio Art 3-Honors

Course #	01013500
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Grade Level	11-12
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Length	1 year
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Prerequisite	Three-Dimensional Studio Art 2
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Credit	1
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Students communicate a sense of 4-D, motion, and/or time, based on creative use of spatial relationships and innovative treatment of space and its components. Instruction may include, but is not limited to, content in green or industrial design, sculpture, ceramics, or building arts. Students address 4-D, the inter-relatedness of art and context, and may also include installation or collaborative works, virtual realities, light as a medium (i.e., natural, artificial, or reflective), or flexible, entered, or activated space. Other concepts for exploration include tension, compression or expansion, intrusions or extrusions, grouping, proximity, containment, closure, contradiction, and continuity. 3-D artists experiment with processes, techniques, and media, which may include, but are not limited to, creating maquettes, casting and kiln-firing

****Three-Dimensional Studio Art 2**

Course #	01013400
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Grade Level	10-12
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Length	1 year
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Prerequisite	Three-Dimensional Studio Art 1
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Credit	1
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techniques, stone carving, mold making, or working with glass, cement, PVC piping, or structures scaled to human existence. Craftsmanship and quality are reflected in the surface and structural qualities of the completed art forms. Students in the 3-D art studio focus on use of safety procedures for process, media, and techniques. Student artists use an art criticism process to evaluate, explain, and measure artistic growth in personal or group works. This course incorporates hands-on activities and consumption of art materials.

Q**Drawing III Honors	
Course #	01043600
Grade Level	10-12
Length	1 Year
Prerequisite	Drawing II
Credit	1
Students demonstrate proficiency in the conceptual development of content in drawing to create self-directed or collaborative 2-D artwork suitable for inclusion in a portfolio. Students produce works that show evidence of developing craftsmanship and quality in the composition. Through the critique process, students evaluate and respond to their own work and that of their peers. Through a focused investigation of traditional techniques, historical and cultural models, and individual expressive goals, students begin to develop a personal art style. This course incorporates hands-on activities and consumption of art materials.	

**Drawing I	
Course #	01043400
Grade Level	10-12
Length	1 Year
Prerequisite	1 Year of Visual Art
Credit	1
Students experiment with the media and techniques used to create a variety of two dimensional (2-D) artworks through the development of skills in drawing. Students practice, sketch, and manipulate the structural elements of art to improve mark making and/or the organizational principles of design in a composition from observation, research, and/or imagination. Through the critique process, students evaluate and respond to their own work and that of their peers. This course incorporates hands on activities and consumption of art materials.	

**Painting I	
Course #	01043700
Grade Level	9-12
Length	1 Year
Prerequisite	1 Year of Visual Art
Credit	1
Students experiment with the media and techniques used to create a variety of two dimensional (2-D) artworks through the development of skills in painting. Students practice, and manipulate the structural elements of art to improve mark making and/or the organizational principles of design in a composition from observation, research, and/or imagination. Through the critique process, students evaluate and respond to their own work and that of their peers. This course incorporates hands on activities and consumption of art materials.	

**Drawing II	
Course #	01043500
Grade Level	10-12
Length	1 year
Prerequisite	Drawing I
Credit	1
Students develop and refine technical skills and create 2-D compositions with a variety of media in drawing. Student artists sketch, manipulate, and refine the structural elements of art to improve mark-making and/or the organizational principles of design in a composition from observation, research, and/or imagination. Through the critique process, students evaluate and respond to their own work and that of their peers. This course incorporates hands-on activities and consumption of art materials.	

**Painting II	
Course #	01043800
Grade Level	10-12
Length	1 Year
Prerequisite	Painting I
Credit	1

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Students develop and refine technical skills and create 2-D compositions in painting. Student artists manipulate, and refine the structural elements of art to improve mark-making and/or the organizational principles of design in a composition from observation, research, and/or imagination. Through the critique process, students evaluate and respond to their own work and that of their peers. This course incorporates hands-on activities and consumption of art materials.

tablets, printers, new media, and emerging technologies. Through the critique process, students evaluate and respond to their own work and that of their peers to measure artistic growth. This course incorporates hands-on activities, the use of technology, and consumption of art materials.

Q**Painting III	
Course #	01043900
Grade Level	10-12
Length	1 Year
Prerequisite	Painting II
Credit	1
<p>Students demonstrate proficiency in the conceptual development of content in painting to create self-directed or collaborative 2-D artwork suitable for inclusion in a portfolio. Students produce works that show evidence of developing craftsmanship and quality in the composition. Through the critique process, students evaluate and respond to their own work and that of their peers. Through a focused investigation of traditional techniques, historical and cultural models, and individual expressive goals, students begin to develop a personal art style. This course incorporates hands-on activities and consumption of art materials.</p>	

**Digital Art Imaging 2	
Course #	0108380
Grade Level	10-12
Length	1 year
Prerequisite	Digital Art Imaging 1
Credit	1
<p>Students explore and develop concepts, terminology, techniques, and applications to design, create, print, and display original two-dimensional graphic and fine works of art. As they become more adept at using the tools and techniques available to them, students design digital still images through the single or combined use of computers, digital cameras, scanners, photo editing software, drawing and painting software, graphic tablets, printers, new media, and emerging technologies. Through the critique process, students evaluate and respond to their own designs and images and those of their peers to measure artistic growth with increasing sophistication. This course incorporates hands-on activities, the use of technology, and consumption of art materials.</p>	

**Digital Art Imaging 1	
Course #	0108370
Grade Level	10-12
Length	1 Year
Prerequisite	1 Year of Visual Art
Credit	1
<p>Students explore the fundamental concepts, terminology, techniques, and applications of digital imaging to create original work. Students produce digital still images through the single or combined use of computers, digital cameras, scanners, photo editing software, drawing and painting software, graphic</p>	

Q **Digital Art Imaging 3	
Course #	0108390
Grade Level	11-12
Length	1 Year
Prerequisite	Digital Art Imaging 2
Credit	1

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Students explore advanced topics through project-based work, becoming more self-directed in their acquisition and use of concepts, terminology, techniques, and applications to design, create, print, and display original two-dimensional graphic and fine works of art in print and web formats. As they become more adept at using the tools and techniques available to them, students design and produce digital still images through the single or combined use of computers, digital cameras, scanners, photo editing software, drawing and painting software, graphic tablets, printers, new media, and emerging technologies. Through the critique process, students evaluate and respond to their own designs and images and those of their peers to measure artistic growth with increasing sophistication and independence to promote risk-taking in the completion of conceptually based self-directed work. This course incorporates hands-on activities, the use of technology, and consumption of art materials.

**Fine Craft Studio Art 1	
Course #	0101440
Grade Level	10-12
Length	1 year
Prerequisite	1 Year of Visual Art
Credit	1
<p>Students create well-designed work that is utilitarian, purposeful, wearable, and/or sculptural in nature. This course may include, but is not limited to, content in metals, jewelry, glass, fabrics/fibers, clay, fashion design, and/or objects for interior or architectural design/embellishment. Students develop the language of fine craft through a concentration on fundamental technical skills. Student artisans reflect on aesthetics and visual issues related to fine craft through the use of the structural elements of art and organizational principles of design. Students use analytical and problem-solving skills to improve personal work and that of their peers. Students investigate the significance of Western and non-Western cultures related to understanding the art role in global culture and informing creative choices in media and design. This course incorporates hands-on activities and consumption of art materials.</p>	

****Fine Craft Studio Art 2**

Course #	0101450
Grade Level	10-12
Length	1 year
Prerequisite	Fine Craft Studio Art 1
Credit	1
<p>Students create well-designed and individually conceptualized work that is utilitarian, purposeful, wearable, and/or sculptural in nature. This course may include, but is not limited to, content in metals, jewelry, glass, fabrics/fibers, clay, fashion design, and/or objects for interior or architectural design/embellishment. Student artisans reflect on aesthetics and visual issues related to media and organizational principles of design, manipulating them to create works of art that are progressively more innovative. Increasingly sophisticated oral and written analytical problem-solving skills are employed to improve personal and/or group work and reinforce the ability to self-diagnose and decide on solutions for art challenges based on growing structural, historical, and cultural knowledge. This course incorporates hands-on activities and consumption of art materials.</p>	

Q **Fine Craft Studio Art 3	
Course #	0101460
Grade Level	11-12
Length	1 year
Prerequisite	Fine Craft Studio Art 2
Credit	1
<p>Students combine studio practice with academic study to generate self-initiated work that is utilitarian, purposeful, wearable, and/or sculptural in nature. This course may include, but is not limited to, content in metals, jewelry, glass, fabrics/fibers, clay, fashion design, and/or objects for interior or architectural design and embellishment. Student craftsmen and craftswomen manipulate the structural elements of art and the organizational principles of design to create art works that are progressively more innovative and representative of the student's voice and cognitive growth. Students continually reflect upon and analyze aesthetic and visual issues individually and as a group to increase visual literacy. This course incorporates hands-on activities and consumption of art materials.</p>	

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**Ceramics/Pottery I	
Course #	01023000
Grade Level	10-12
Length	1 Year
Prerequisite	1 Year of Visual Art
Credit	1
<p>Students explore how space, mass, balance, and form combine to create aesthetic forms or utilitarian products and structures. Instructional focus will be on ceramics and/or pottery. Media may include, but are not limited to, clay and/or plaster, with consideration of the workability, durability, cost, and toxicity of the media used. Student artists consider the relationship of scale (i.e., hand-held, human, monumental) through the use of positive and negative space or voids, volume, visual weight, and gravity to create low/high relief or freestanding structures for personal intentions or public places. They explore sharp and diminishing detail, size, position, overlapping, visual pattern, texture, implied line, space, and plasticity, reflecting craftsmanship and quality in the surface and structural qualities of the completed art forms. Students in the ceramics and/or pottery art studio focus on use of safety procedures for process, media, and techniques. Student artists use an art criticism process to evaluate, explain, and measure artistic growth in personal or group works. This course incorporates hands-on activities and consumption of art materials.</p>	

artists experiment with and manipulate space-producing devices, including overlapping, transparency, interpenetration, vertical and horizontal axis, inclined planes, disproportionate scale, fractional or abstracted representation, and spatial properties of the structural art elements. Craftsmanship and quality are reflected in the surface and structural qualities of the completed art forms. Students in the ceramics and/or pottery art studio focus on use of safety procedures for process, media, and techniques. Student artists use an art criticism process to evaluate, explain, and measure artistic growth in personal or group works. This course incorporates hands-on activities and consumption of art materials.

**Ceramics/Pottery II	
Course #	01023100
Grade Level	10-12
Length	1 year
Prerequisite	Ceramics/Pottery I
Credit	1
<p>Students explore spatial relationships through the use of nonobjective, abstract, or representational forms, products, or structures. Instructional focus should be on ceramics and/or pottery. Processes and techniques for substitution may include, but are not limited to, wheel-thrown clay, glaze formulation and application. Media may include, but are not limited to, clay and/or plaster with consideration of the workability, durability, cost, and toxicity of the media used. Ceramic and/or pottery</p>	

Q**Ceramics/Pottery III Honors	
Course #	01023200
Grade Level	10-12
Length	1 year
Prerequisite	Ceramics/Pottery II
Credit	1
<p>Students communicate a sense of motion, and/or time, based on creative use of spatial relationships and innovative treatment of space and its components. Instruction may include content in ceramics, pottery, or other related media. Students address the inter-relatedness of art and context, and may also include installation or collaborative works, virtual realities, light as a medium (i.e., natural, artificial, or reflective), or flexible, entered, or activated space. Other concepts for exploration include tension, compression or expansion, intrusions or extrusions, grouping, proximity, containment, closure, contradiction, and continuity. Ceramic and/or pottery artists experiment with processes, techniques, and media, which may include, but are not limited to, casting and kiln-firing techniques, and mold making. Craftsmanship and quality are reflected in the surface and structural qualities of the completed art forms. Students in the</p>	

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ceramics and/or pottery art studio focus on use of safety procedures for process, media, and techniques. Student artists use an art criticism process to evaluate, explain, and measure artistic growth in personal or group works. This course incorporates hands-on activities and consumption of art materials.

of photography, making connections to contemporary and community photographers, critiquing with varied techniques, and experimenting with a variety of photographic media. Processes and techniques include, but are not limited to, handcrafted pinhole cameras, hand-tinted photographs, mixed media, cyanotypes, medium format, photo collage, cross-processing, creative filters, infrared and slide film, night photography, macro, panoramic, and/or digital output via a variety of media. Craftsmanship and quality are reflected in the surface of the prints, care of the materials, attention to compositional conventions, and expression of ideas and feelings. Photographers use an art criticism process to evaluate, explain, and measure artistic growth in personal or group works. This course incorporates hands-on activities and consumption of art materials.

****Creative Photography I**

Course #	01083100
Grade Level	9-12
Length	1 Year
Prerequisite	1 year of Visual Art
Credit	1

Students explore the aesthetic foundations of art making using beginning photography techniques. This course may include, but is not limited to, color and/or black and white photography via digital media and/or traditional photography. Students become familiar with the basic mechanics of a camera, including lens and shutter operation, compositional foundations, printing an image for display, and evaluating a successful print. Student photographers may use a variety of media and materials, such as 35mm black and white film, single lens reflex camera, digital camera, darkroom, computer application, filters, various papers, digital output, photogram, cyanotypes, Sabatier effect, and pinhole photography. Craftsmanship and quality are reflected in the surface of the prints and the care of the materials. Photographers use an art criticism process to evaluate, explain, and measure artistic growth in personal or group works. This course incorporates hands-on activities and consumption of art materials.

QCreative Photography III**

Course #	01083300
Grade Level	10-12
Length	1 Year
Prerequisite	Creative Photography II
Credit	1

Students lead a focused investigation of a subject matter from ideation to completion. Students select a theme, develop a concept, and prepare the work for public viewing, portfolio, distribution, and/or exhibit. This course may include, but is not limited to, research, collaboration, installation, history of photography, making connections to contemporary and community photographers, and critiquing with varied techniques. Processes, techniques, and media may include, but are not limited to, video, film, high speed photography, studio lighting, flash, long exposure, formal

****Creative Photography II**

Course #	01083200
Grade Level	10-12
Length	1 year
Prerequisite	Creative Photography I
Credit	1

Students experiment with a variety of photographic media and techniques, and make connections with historical and contemporary photographers to develop a focused body of work. This course may include, but is not limited to, researching the history

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portraiture, large format, HDR, RAW processing, and digital output on a variety of media, including nontraditional materials. Craftsmanship and quality are reflected in the surface of the print, care of the materials, attention to compositional conventions, the display setting, and expression of ideas and feelings. Photographers use an art criticism process to evaluate, explain, and measure artistic growth in personal or group works. This course incorporates hands-on activities and consumption of art materials.

their peers. This course incorporates hands-on activities and consumption of art materials.

**Sculpture I	
Course #	01113100
Grade Level	10-12
Length	1 year
Prerequisite	1 year of Visual Arts
Credit	1
<p>Students explore how space, mass, balance, and form combine to create aesthetic forms or utilitarian products and structures. Media may include, but are not limited to, clay, wood, plaster, and paper maché with consideration of the workability, durability, cost, and toxicity of the media used. Student artists consider the relationship of scale (i.e., hand-held, human, monumental) through the use of positive and negative space or voids, volume, visual weight, and gravity to create low/high relief or freestanding structures for personal intentions or public places. They explore sharp and diminishing detail, size, position, overlapping, visual pattern, texture, implied line, space, and plasticity, reflecting craftsmanship and quality in the surface and structural qualities of the completed art forms. Students in the sculpture studio focus on use of safety procedures for process, media, and techniques. Student artists use an art criticism process to evaluate, explain, and measure artistic growth in personal or group works. This course incorporates hands-on activities and consumption of art materials.</p>	

**Printmaking I	
Course #	01103000
Grade Level	9-12
Length	1 Year
Prerequisite	1 year of Visual Arts
Credit	1
<p>Students experiment with the media and techniques used to create a variety of two dimensional (2-D) artworks through the development of skills in printmaking. Media may include, but are not limited to intaglio, lithography, relief printing, and wood block printing. Students practice, and manipulate the structural elements of art to improve mark making and/or the organizational principles of design in a composition from observation, research, and/or imagination. Through the critique process, students evaluate and respond to their own work and that of their peers. This course incorporates hands on activities and consumption of art materials.</p>	
**Printmaking II	
Course #	01103100
Grade Level	10-12
Length	1 year
Prerequisite	Printmaking I
Credit	1
<p>Students develop and refine technical skills and create 2-D compositions with a variety of media in printmaking. Media may include, but are not limited to intaglio, lithography, relief printing, and wood block printing. Student artists manipulate, and refine the structural elements of art to improve mark-making and/or the organizational principles of design in a composition from observation, research, and/or imagination. Through the critique process, students evaluate and respond to their own work and that of</p>	

**Sculpture II	
Course #	01113200
Grade Level	10-12
Length	1 year
Prerequisite	Sculpture I
Credit	1
<p>Students explore spatial relationships through the use of nonobjective, abstract, or representational forms, products, or structures. Media may include, but are not limited to, clay, wood, metal, plaster, paper maché, and plastic with consideration of the workability, durability, cost, and toxicity of the media used. Sculpture artists experiment with and manipulate space-producing devices, including</p>	

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overlapping, transparency, interpenetration, vertical and horizontal axis, inclined planes, disproportionate scale, fractional or abstracted representation, and spatial properties of the structural art elements. Craftsmanship and quality are reflected in the surface and structural qualities of the completed art forms. Students in the sculpture studio focus on use of safety procedures for process, media, and techniques. Student artists use an art criticism process to evaluate, explain, and measure artistic growth in personal or group works. This course incorporates hands-on activities and consumption of art materials.

Length	1 year
Prerequisite	2 Years of Visual Art
Credit	1
<p>Students work in a self-directed environment to develop a portfolio showing a body of their own work that visually explores a particular artistic concern, articulated and supported by a written artist's statement. Artists may work in, but are not limited to, content in drawing, painting, printmaking, mixed media, traditional photography, digital photography, and/or new media and emerging technologies that demonstrate understanding of design principles as applied to a 2-dimensional surface. Students regularly reflect on aesthetics and art issues individually and as a group, and manipulate the structural elements of art and organizational principles of design to create 2-dimensional works of art that are progressively more innovative and representative of the student's artistic and cognitive growth. In keeping with the rigor expected in an accelerated setting, students' portfolios show personal vision and artistic growth over time, mastery of visual art skills and techniques, and evidence of sophisticated analytical and problem-solving skills based on their structural, historical, and cultural knowledge. Students are self-directed and display readiness for high levels of critical thinking, research, conceptual thinking, and creative risk-taking. This course incorporates hands-on activities and consumption of art materials.</p>	

Q **Portfolio Development -Drawing Honors	
Course #	01093100
Grade Level	10-12
Length	1 year
Prerequisite	2 Years of Visual Arts
Credit	1
<p>Students work in a self-directed environment to develop a portfolio showing a body of their own work that visually explores a particular artistic concern, articulated and supported by a written artist's statement. Artists may work in, but are not limited to, content in drawing, painting, printmaking, and/or mixed media that emphasizes line quality, rendering of form, composition, surface manipulation, and/or illusion of depth. Students regularly reflect on aesthetics and art issues individually and as a group, and focus on expressive content that is progressively more innovative and representative of the student's artistic and cognitive growth. In keeping with the rigor expected in an accelerated setting, students' portfolios show personal vision and artistic growth over time, mastery of visual art skills and techniques, and evidence of sophisticated analytical and problem-solving skills based on their structural, historical, and cultural knowledge. Students are self-directed and display readiness for high levels of critical thinking, research, conceptual thinking, and creative risk-taking. This course incorporates hands-on activities and consumption of art materials.</p>	

Q **Portfolio Development: Three-Dimensional Honors	
Course #	01093300
Grade Level	12
Length	1 year
Prerequisite	2 Years of Art
Credit	1
<p>Students work in a self-directed environment to develop a portfolio showing a body of their own work that visually explores a particular artistic concern, articulated and supported by a written artist's statement. Artists may work in, but are not limited to,</p>	

Q** Portfolio Development -Two-Dimensional Honors	
Course #	01093200
Grade Level	10-12

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content in clay, wood, wire, glass, metal, jewelry, fabrics/fibers, fashion design, green design, industrial design, and/or objects for interior design or architecture that integrate 3-dimensional design issues in a purposeful way. Students regularly reflect on aesthetics and art issues individually and as a group, and manipulate the structural elements of art and organizational principles of design to create 3-dimensional works of art that are progressively more innovative and representative of the student's artistic and cognitive growth. In keeping with the rigor expected in an accelerated setting, students' portfolios show personal vision and artistic growth over time, mastery of visual art skills and techniques, and evidence of sophisticated analytical and problem-solving skills based on their structural, historical, and cultural knowledge. Students are self-directed and display readiness for high levels of critical thinking, research, conceptual thinking, and creative risk-taking. This course incorporates hands-on activities and consumption of art materials.

developed requirements that demonstrate students' mastery of rigorous standards required of quality point art courses.

Q**Advanced Placement Art/Drawing Portfolio	
Course #	01043000
Grade Level	11-12
Length	1 year
Prerequisite	2 years of art
Credit	1
The purpose of this course is to give advanced students the opportunity to develop quality, concentration, discipline, and breadth in drawing. Course includes district developed requirements that demonstrate students' mastery of rigorous standards required of quality point art courses.	

Q**Advanced Placement Studio Art: 2/D Design Portfolio	
Course #	01093500
Grade Level	10-12
Length	1 year
Prerequisite	2 years of art
Credit	1
This Advanced Placement course is intended to address a very broad interpretation of two-dimensional (2-D) design issues. This type of design involves purposeful decision-making about how to use the elements and principles of art in an integrative way. It is for the advanced student who wishes to seek AP Credit through submitting a Portfolio of work for consideration by the College Board. Course includes district developed requirements that demonstrate students' mastery of rigorous standards required of quality point art courses.	
Q**Advanced Placement Studio Art: 3/D Design Portfolio	
Course #	01093600
Grade Level	10-12
Length	1 year
Prerequisite	2 years of art
Credit	1
This Advanced Placement course is intended to address a very broad interpretation of sculptural issues in three-dimensional (3-D) design. Such elements and concepts may be articulated through	

Q**Advanced Placement/History of Art	
Course #	01003000
Grade Level	11-12
Length	1 year
Prerequisite	1 Year of Visual Art
Credit	1
The purpose of this course is to introduce students to the appreciation of works of art, the intelligent examination of works of art, and to the major forms of artistic expression in Western art from 1400 to the present. Students are required to take the Advanced Placement examination. Course includes district	

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additive, subtractive, and/or fabrication processes. It is for the advanced student who wishes to seek AP Credit through submitting a Portfolio of work for consideration by the College Board. Course includes district developed requirements that demonstrate students' mastery of rigorous standards required of quality point art courses.

Special Courses Offered only by IB

**Q Art I - Preinternational Baccalaureate

Course #	01148005
Grade Level	Preinternational Baccalaureate
Length	1 year
Prerequisite	None
Credit	1

Students demonstrate proficiency in the conceptual development of content in drawing, painting, printmaking, collage, and/or design to create self-directed or collaborative 2-D artwork suitable for inclusion in a portfolio. Students produce works that show evidence of developing craftsmanship and quality in the composition. Through the critique process, students evaluate and respond to their own work and that of their peers. Through a focused investigation of traditional techniques, historical and cultural models, and individual expressive goals, students begin to develop a personal art style. This course incorporates hands-on activities and consumption of art materials. In addition, the purpose of this Pre-IB course is to prepare students for the International Baccalaureate Diploma Programme (DP). As such, this course will provide academic rigor and relevance through a comprehensive curriculum based on the Next Generation Sunshine State Standards and Common Core State Standards taught with reference to the unique facets of the IB. These facets include interrelatedness of subject areas, a holistic view of knowledge, intercultural awareness, embracing international issues, and communication as fundamental to learning. Instructional design must provide students with values and opportunities that enable them to develop respect for others and an appreciation of similarities and differences. Learning how to learn and how to critically evaluate information is as important as the content of the disciplines themselves.

**Q Art II - Preinternational Baccalaureate

Course #	01148105
Grade Level	Preinternational Baccalaureate
Length	1 year
Prerequisite	None
Credit	1

Students communicate a sense of 4-D, motion, and/or time, based on creative use of spatial relationships and innovative treatment of space and its components. Instruction may include, but is not limited to, content in green or industrial design, sculpture, ceramics, or building arts. Students address 4-D, the interrelatedness of art and context, and may also include installation or collaborative works, virtual realities, light as a medium (i.e., natural, artificial, or reflective), or flexible, entered, or activated space. Other concepts for exploration include tension, compression or expansion, intrusions or extrusions, grouping, proximity, containment, closure, contradiction, and continuity. 3-D artists experiment with processes, techniques, and media, which may include, but are not limited to, creating maquettes, casting and kiln-firing techniques, stone carving, mold making, or working with glass, cement, PVC piping, or structures scaled to human existence. Craftsmanship and quality are reflected in the surface and structural qualities of the completed art forms. Students in the 3-D art studio focus on use of safety procedures for process, media, and techniques. Student artists use an art criticism process to evaluate, explain, and measure artistic growth in personal or group works. This course incorporates hands-on activities and consumption of art materials. In addition, the purpose of this Pre-IB course is to prepare students for the International Baccalaureate Diploma Programme (DP). As such, this course will provide academic rigor and relevance through a comprehensive curriculum based on the Next Generation Sunshine State Standards taught with reference to the unique facets of the IB. These facets include interrelatedness of subject areas, holistic view of knowledge, intercultural awareness embracing international issues, and communication as fundamental to learning. Instructional design must provide students with values and opportunities that enable them to develop respect for others and an appreciation of similarities and differences. Learning how to learn and how to critically evaluate information is as important as the content of the disciplines themselves.

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**Q Art I-A - Art/Design (Studio) Sub	
Course #	01148405
Grade Level	International Baccalaureate
Length	1 year
Prerequisite	None
Credit	1
<p>The purpose of this course is to produce personal visual statements that search for a synthesis of aesthetic values and functional requirements and to understand the complex language of visual symbols which form part of every culture. The content should include, but not be limited to, the following: - opportunities for students to develop aesthetic, imaginative, and creative faculties -activities that stimulate and train visual awareness, perception, and criticism of the arts of various cultures -activities that will enable students to discover, develop, and enjoy means of creative visual expression, which are suited to their temperament and capabilities, in the studio and elsewhere -activities that will encourage the pursuit of quality through training, individual experiment, and persistent endeavor -activities that will exemplify and encourage a lively, inquiring, and informed attitude toward art and design in all their forms, in history and today</p>	

<p>training, individual experiment, and persistent endeavor -activities that will exemplify and encourage a lively, inquiring, and informed attitude toward art and design in all their forms, in history and today</p>

**Q Art I-A and B - Art/Design Higher Level International Baccalaureate	
Course #	01148605
Grade Level	International Baccalaureate
Length	1 year
Prerequisite	None
Credit	1
<p>The purpose of this course is to produce personal visual statements that search for a synthesis of aesthetic values and functional requirements and to understand the complex language of visual symbols which form part of every culture. The content should include, but not be limited to, the following: - opportunities for students to develop aesthetic, imaginative, and creative faculties -activities that stimulate and train visual awareness, perception, and criticism of the arts of various cultures -activities that will enable students to discover, develop, and enjoy means of creative visual expression, which are suited to their temperament and capabilities in the studio and elsewhere -activities that will encourage the pursuit of quality through training, individual experiment, and persistent endeavor -activities that will exemplify and encourage a lively, inquiring, and informed attitude toward art and design in all their forms, in history and today</p>	

**Q Art II-A - Art/Design (Studio) Sub	
Course #	01148505
Grade Level	International Baccalaureate
Length	1 year
Prerequisite	None
Credit	1
<p>The purpose of this course is to produce personal visual statements that search for a synthesis of aesthetic values and functional requirements and to understand the complex language of visual symbols which form part of every culture. The content should include, but not be limited to, the following: - opportunities for students to develop aesthetic, imaginative, and creative faculties -activities that stimulate and train visual awareness, perception, and criticism of the arts of various cultures -activities that will enable students to discover, develop, and enjoy means of creative visual expression, which are suited to their temperament and capabilities in the studio and elsewhere -activities that will encourage the pursuit of quality through</p>	

**Q Art II-A and B - Art/Design Higher Level International Baccalaureate	
Course #	01148705
Grade Level	International Baccalaureate
Length	1 year
Prerequisite	None
Credit	1

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The purpose of this course is to produce personal visual statements that search for a synthesis of aesthetic values and functional requirements and to understand the complex language of visual symbols which form part of every culture. The content should include, but not be limited to, the following:

- opportunities for students to develop aesthetic, imaginative, and creative faculties
- activities that stimulate and train visual awareness, perception, and criticism of the arts of various cultures
- activities that will enable students to discover, develop, and enjoy means of creative visual expression, which are suited to their temperament and capabilities, in the studio and elsewhere
- activities that will encourage the pursuit of quality through training, individual experiment, and persistent endeavor
- activities that will exemplify and encourage a lively, inquiring, and informed attitude toward art and design in all their forms, in history and today

Prerequisite	2 years of art
Credit	1.0
<p>The purpose of this course is to enable students to communicate and express through visual perception and aesthetic experiences a language in addition to those used by literary, mathematical, scientific and factually-based subjects. This studio-based language will enable students to develop their abilities of observation and analysis of the visual world, sensitivity, skill, personal expression and imagination. Students should also learn to relate these skills to an enhanced knowledge of their own and other cultures, past and present, and an appreciation of practical design problems. Students should demonstrate competency in the three stages of planning, recording, and editing sequences of images and sounds as it relates to advertising, reporting, recording, documentary, illustration or title sequence, and formal properties of film and video in order to communicate personal ideas. Students should be able to demonstrate skills in both live-action and animated recordings. In editing, students should be able to construct sequences by using both narrative continuity and montage. They should also be able to lay appropriate soundtracks to accompany their visual sequences. Students should have knowledge of early and pre-cinematic experiments with moving images, early twentieth century films, development of animation, and contemporary practices. Additionally, students should also have an understanding of the theories of narrative, montage, and semiotics.</p>	

SPECIAL COURSES OFFERED ONLY by the Cambridge University MAGNET PROGRAMS at Clearwater, Dixie Hollins, and Tarpon Springs High Schools	
Q** AICE Art & Design 1	
Course #	0101370
Grade Level	9-12
Length	1 year
Prerequisite	Acceptance into PRE-AICE
Credit	1
<p>The Art and Design syllabus considers expression and communication. Students learn about visual perception and aesthetic experience, and the ways in which art and design creates a language of its own. Most of the work for this syllabus is practical or studio based, so that students can develop their abilities of observation and analysis of the visual world, sensitivity, skill, personal expression and imagination. They also learn how to relate their skills to an enhanced knowledge of their own cultures, past and present, as well as an appreciation of practical design problems.</p>	

Q **AICE Art and Design II	
Course #	0101371
Grade Level	11-12
Length	1 Year
Prerequisite	Acceptance Into Pre-AICE
Credit	1
<p>The purpose of this course is to enable students to communicate and express through visual perception and aesthetic experiences a language in addition to those used by literary, mathematical, scientific and factually-based subjects. This studio-based language will enable students to develop their abilities of observation and analysis of the visual world, sensitivity, skill, personal expression and imagination. Students should also learn to relate these skills to an enhanced knowledge of their own</p>	

Q **AICE Art & Design Film and Video	
Course #	0107480
Grade Level	9-12
Length	1 year

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and other cultures, past and present, and an appreciation of practical design problems.

Q *AICE DRESS, TEXTILES AS Level	
Course #	0105320
Grade Level	11-12
Length	1 year
Prerequisite	Acceptance Into Pre-AICE
Credit	1
<p>The Dress and Textile course takes both a practical and theoretical approach to the subject. Students look at the relationship between fibers and fabrics, considering their suitability, economy, style and decoration. Students learn how to use commercial patterns to make a variety of garments, and about the use and care of a sewing machine and the care of clothing in general. During the course students will make a number of items, including clothing and soft furnishings, and will learn a variety of hand and machine sewing skills as a result.</p>	

Special Courses only offered by PCCA

**Film I (PCCA)	
Course #	01074108
Grade Level	9-12
Length	1 year
Prerequisite	1 Year of Visual Art
Credit	1
<p>Students explore the fundamental concepts, terminology, techniques, and applications of digital imaging to create original work. The instructional focus will be on film. Students produce digital animated images through the single or combined use of computers, digital cameras, digital video cameras, scanners, photo editing software, drawing and painting software, graphic tablets, printers, new media, and emerging technologies. Through the critique process, students evaluate and respond to their own work and that of their peers to measure artistic growth. This course incorporates hands-on activities, the use of technology, and consumption of art materials.</p>	

**Visual Technology I (PCCA)	
Course #	01074408
Grade Level	9-12
Length	1 year
Prerequisite	1 Year of Visual Art
Credit	1
<p>Students explore the fundamental concepts, terminology, techniques, and applications of digital imaging to create original work. Students produce animated digital images through the single or combined use of computers, digital cameras, digital video cameras, scanners, photo editing software, drawing and painting software, graphic tablets, printers, new media, and emerging technologies. Through the critique process, students evaluate and respond to their own work and that of their peers to measure artistic growth. This course incorporates hands-on activities, the use of technology, and consumption of art materials.</p>	


**Visual Technology II (PCCA)	
Course #	01074508
Grade Level	9-12
Length	1 year
Prerequisite	none
Credit	1
<p>Students explore and develop concepts, terminology, techniques, and applications to design, create, print, and display original two-dimensional animations. As they become more adept at using the tools and techniques available to them, students design animated digital images through the single or combined use of computers, digital cameras, digital video cameras, scanners, photo editing software, drawing and painting software, graphic tablets, printers, new media, and emerging technologies. Through the critique process, students evaluate and respond to their own designs and images and those of their peers to measure artistic growth with increasing sophistication. This course incorporates hands-on activities, the use of technology, and consumption of art materials.</p>	

Q **Visual Technology III (PCCA)

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Course #	01074608
Grade Level	9-12
Length	1 year
Prerequisite	none
Credit	1
<p>Students explore advanced topics through project-based work, becoming more self-directed in their acquisition and use of concepts, terminology, techniques, and applications to design, create, and display original two-dimensional animations which may also be presented in web formats. As they become more adept at using the tools and techniques available to them, students design and produce digital images through the single or combined use of computers, digital cameras, digital video cameras, scanners, photo editing software, drawing and painting software, graphic tablets, printers, new media, and emerging technologies. Through the critique process, students evaluate and respond to their own designs and images and those of their peers to measure artistic growth with increasing sophistication and independence to promote risk-taking in the completion of conceptually based, self-directed work. This course incorporates hands-on activities, the use of technology, and consumption of art materials.</p>	

Explanation of Symbols	
Symbol	Explanation
**	Course meets Fine Arts graduation requirement.
	<p>The Pinellas County School (PCS) virtual symbol indicates this course is available in a Pinellas County School virtual learning environment.</p> <p>All Pinellas County School Virtual School (PVS) courses are aligned with the Next Generation Sunshine State Standards (NGSSS) and in the Board approved MS and HS Course Code Directories.</p>

Q** Arts Collaborative Honors (PCCA)	
Course #	01023400
Grade Level	10-12
Length	1 year
Prerequisite	1 Year of Visual Art
Credit	1
<p>Students in this inquiry-based course use arts processes to explore and imagine new connections and/or postulate solutions to real-world problems. Using a combined seminar, studio, and business management approach, this teacher-facilitated, yet highly independent setting requires that students use their individual strengths and interests in one or more arts, in combination with other content areas and current and emerging technology as needed, to examine local, cultural, historical, technical, and/or global interests relative to life and work in a creative, global economy. Significant independent research, class discussion, and analysis are required.</p>	

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NGSSS for World Languages Communication Standards
Interpretive Listening and Reading, Interpersonal Communication, Presentation Speaking and Writing and Intercultural Standards

Every learner will use a world language, in addition to English, to engage in meaningful, intercultural communication, understand and interpret the spoken and written language, and present information, concepts and ideas in local and global communities. Through learning the language, students will gain an understanding of the perspectives of other cultures and compare the language and cultures learned with their own.

Students who earn high school credit for middle school study are expected to take at least one to two additional years of the same language in high school or begin a two-year sequence (minimum) of a different language. Completion of the longest sequence possible in the same language is recommended.

American Sign Language

American Sign Language 1	
Course #	07173001,2
Grade Level	9-12
Length	1 year
Prerequisite	None
Credit	1
<i>This course may be used for the foreign language university requirement.</i>	
<p>American Sign Language 1 introduces students to the target language and its culture. The student will develop communicative skills in all 3 modes of communication and cross-cultural understanding. Emphasis is placed on proficient communication in the language with introductions to culture, connections, comparisons, and communities. Students are expected to demonstrate proficiency at the Novice-low to Novice high level by the end of this course.</p>	

American Sign Language 2	
Course #	07173101,2
Grade Level	9-12
Length	1 year
Prerequisite	American Sign Language 1 or mastery of Student Performance Standards corresponding to ASL 1.
Credit	1
<i>This course may be used for the foreign language university requirement.</i>	
<p>American Sign Language 2 reinforces the fundamental skills acquired by the students in American Sign Language 1. The course develops increased receptive and expressive, skills as well as cultural awareness. Specific content to be covered is a continuation of skills acquired in American Sign Language 1 while communication remains the primary objective. The cultural survey of the target language is continued. Students are expected to demonstrate proficiency at the Intermediate-low to Intermediate-mid level by the end of this course.</p>	

Q American Sign Language 3	
Course #	07173121,2
Grade Level	9-12
Length	1 year
Prerequisite	American Sign Language 2 or mastery of Student Performance Standards corresponding to ASL 2.
Credit	1
<p>American Sign Language 3 provides mastery and expansion of skills acquired by the students in American Sign Language 2. Specific content includes, but is not limited to, expansion of vocabulary and conversational skills through discussions of selected media. Contemporary vocabulary stresses activities that are important to the everyday life of people using the target language. Students are expected to demonstrate proficiency at the Intermediate-high to Advanced-low level by the end of this course.</p>	

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Q American Sign Language 4	
Course #	07173141,2
Grade Level	9-12
Length	1 year
Prerequisite	American Sign Language 3 or mastery of student performance standards corresponding to ASL 3.
Credit	1
<p>American sign Language 4 expands the skills acquired by the students in American Sign Language 3. Specific content includes, but is not limited to, more advanced language structures and idiomatic expressions, with emphasis on conversational skills. There is additional growth in vocabulary for practical purposes. Media selections are varied and taken from authentic target language literary works. Students are expected to demonstrate proficiency at the Advanced-low to Advanced-mid level by the end of this course.</p>	

Chinese 2	
Course #	07113101,2
Grade Level	9-12
Length	1 year
Prerequisite	Chinese 1 or equivalent
Credit	1
<p>Chinese 2 reinforces the fundamental skills acquired by the students in Chinese 1. The course develops increased listening, speaking, reading, and writing skills as well as cultural awareness. Specific content to be covered is a continuation of listening and oral skills acquired in Chinese 1. Reading and writing receive more emphasis, while oral communication remains the primary objective. The cultural survey of the target language-speaking people is continued. Students are expected to demonstrate proficiency at the Intermediate-low to Intermediate-mid level by the end of this course.</p>	

Chinese

Chinese 1	
Course #	07113001,2
Grade Level	9-12
Length	1 year
Prerequisite	None
Credit	1
<p>Chinese 1 introduces students to the target language and its culture. The student will develop communicative skills in all 3 modes of communication and cross-cultural understanding. Emphasis is placed on proficient communication in the language. An introduction to reading and writing is also included as well as culture, connections, comparisons, and communities. Students are expected to demonstrate proficiency at the Novice-low to Novice-high level by the end of this course.</p>	

Q Chinese 3	
Course #	07113201,2
Grade Level	9-12
Length	1 year
Prerequisite	Chinese 2 or equivalent
Credit	1
<p>Chinese 3 provides mastery and expansion of skills acquired by the students in Chinese 2. Specific content includes, but is not limited to, expansion of vocabulary and conversational skills through discussions of selected readings. Contemporary vocabulary stresses activities that are important to the everyday life of the target language-speaking people. Students are expected to demonstrate proficiency at the Intermediate-high to Advanced-low level by the end of this course.</p>	

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Q Chinese 4	
Course #	07113301,2
Grade Level	9-12
Length	1 year
Prerequisite	Chinese 3 or equivalent
Credit	1
<p>Chinese 4 expands the skills acquired by the students in Chinese 3. Specific content includes, but is not limited to, more advanced language structures and idiomatic expressions, with emphasis on conversational skills. There is additional growth in vocabulary for practical purposes including writing. Reading selections are varied and taken from newspapers, magazines, and literary works. Students are expected to demonstrate proficiency at the Advanced-low to Advanced-mid level by the end of this course.</p>	


Q Chinese 5	
Course #	07113351,2
Grade Level	9-12
Length	1 year
Prerequisite	Chinese 4 or equivalent
Credit	1
<p>Chinese 5 expands the skills acquired by students in Chinese 4. Specific content to be covered includes, but is not limited to, developing communication skills through oral reports on literary and cultural topics, current events, and personal experiences. Reading selections include newspaper and magazine articles, adaptations of short stories and plays, and surveys of target language literature. Writing is enhanced through compositions using correct language structures. Students are expected to demonstrate proficiency at the Advanced-high level by the end of this course.</p>	


Q Advanced Placement: Chinese Language	
Course #	07113401,2
Grade Level	9-12
Length	1 year
Prerequisite	Chinese 4 or equivalent
Credit	1

The purpose of this course is to develop oral and written Chinese linguistic accuracy, strategic and meta-cognitive skills, and an understanding of contemporary and historical Chinese culture. The content includes, but is not limited to, that determined by Advanced Placement guidelines.

Students are required to take the Advanced Placement examination.

French

	
French 1	
Course #	07013201,2
Grade Level	9-12
Length	1 year
Prerequisite	None
Credit	1
<p>French 1 introduces students to the target language and its culture. The student will develop communicative skills in all 3 modes of communication and cross-cultural understanding. Emphasis is placed on proficient communication in the language. An introduction to reading and writing is also included as well as culture, connections, comparisons, and communities. Students are expected to demonstrate proficiency at the Novice-low to Novice-high level by the end of this course.</p>	

	
French 2	
Course #	07013301,2
Grade Level	9-12
Length	1 year
Prerequisite	French 1 or equivalent
Credit	1
<p>French 2 reinforces the fundamental skills acquired by the students in French 1. The course develops increased listening, speaking, reading, and writing skills as well as cultural awareness. Specific content to be covered is a continuation of listening and oral skills acquired in French 1. Reading and writing receive more emphasis, while oral communication remains the primary objective. The cultural survey of the</p>	

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target language-speaking people is continued. Students are expected to demonstrate proficiency at the Intermediate-low to Intermediate-mid level by the end of this course.

Q French 3	
Course #	07013401,2
Grade Level	9-12
Length	1 year
Prerequisite	French 2 or equivalent
Credit	1
<p>French 3 provides mastery and expansion of skills acquired by the students in French 2. Specific content includes, but is not limited to, expansion of vocabulary and conversational skills through discussions of selected readings. Contemporary vocabulary stresses activities that are important to the everyday life of the target language-speaking people. Students are expected to demonstrate proficiency at the Intermediate-high to Advanced-low level by the end of this course.</p>	

Q French 4	
Course #	07013501,2
Grade Level	9-12
Length	1 year
Prerequisite	French 3 or equivalent
Credit	1
<p>French 4 expands the skills acquired by the students in French 3. Specific content includes, but is not limited to, more advanced language structures and idiomatic expressions, with emphasis on conversational skills. There is additional growth in vocabulary for practical purposes, including writing. Reading selections are varied and taken from the target language newspapers, magazines, and literary works. Students are expected to demonstrate proficiency at the Advanced-low to Advanced-mid level by the end of this course.</p>	

Q French 5	
Course #	07013601,2
Grade Level	9-12
Length	1 year

Prerequisite	French 4 or equivalent
Credit	1
<p>French 5 expands the skills acquired by students in French 4. Specific content to be covered includes, but is not limited to, developing presentational speaking skills through oral reports on literary and cultural topics, current events, and personal experiences. Reading selections include newspaper and magazine articles, adaptations of short stories and plays, and surveys of target language literature. Presentational writing is enhanced through compositions using correct language structures. Students are expected to demonstrate proficiency at the Advanced-high level by the end of this course.</p>	

Q French 6	
Course #	07013701,2
Grade Level	9-12
Length	1 year
Prerequisite	French 5 or equivalent
Credit	1
<p>French 6 expands the communication skills acquired by students in French 5. Specific content includes, but is not limited to: 1) reinforcement of the students' interpersonal communication skills: their ability to express ideas, feelings, and opinions in oral and written forms 2) further development of comprehension skills through the study of literary selections and 3) reading and interpretation of works of target language writers, while developing an understanding of major literary movements. Students are expected to demonstrate proficiency at the Superior level by the end of this course.</p>	

Q Advanced Placement: French Language	
Course #	07013801,2
Grade Level	9-12
Length	1 year
Prerequisite	French 4 or equivalent
Credit	1
<p>The purpose of this course is to develop oral and written fluency in French. Content includes, but is not limited to, that determined by the Advanced Placement Program Guidelines.</p>	

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Students are required to take the Advanced Placement examination.

Intermediate-low to Intermediate-mid level by the end of this course.

German

German 1	
Course #	07023201,2
Grade Level	9-12
Length	1 year
Prerequisite	None
Credit	1
<p>German 1 introduces students to the target language and its culture. The student will develop communicative skills in all 3 modes of communication and cross-cultural understanding. Emphasis is placed on proficient communication in the language. An introduction to reading and writing is also included as well as culture, connections, comparisons, and communities. Students are expected to demonstrate proficiency at the Novice-low to Novice-high level by the end of this course.</p>	

Q German 3	
Course #	07023401,2
Grade Level	9-12
Length	1 year
Prerequisite	German 2 or equivalent
Credit	1
<p>German 3 provides mastery and expansion of skills acquired by the students in German 2. Specific content includes, but is not limited to, expansion of vocabulary and conversational skills through discussions of selected readings. Contemporary vocabulary stresses activities that are important to the everyday life of the target language-speaking people. Students are expected to demonstrate proficiency at the Intermediate-high to Advanced-low level by the end of this course.</p>	

German 2	
Course #	07023301,2
Grade Level	9-12
Length	1 year
Prerequisite	German 1 or equivalent
Credit	1
<p>German 2 reinforces the fundamental skills acquired by the students in German 1. The course develops increased listening, speaking, reading, and writing skills as well as cultural awareness. Specific content to be covered is a continuation of listening and oral skills acquired in German 1. Reading and writing receive more emphasis while oral communication remains the primary objective. The cultural survey of the target language-speaking people is continued. Students are expected to demonstrate proficiency at the</p>	

Q German 4	
Course #	07023501,2
Grade Level	9-12
Length	1 year
Prerequisite	German 3 or equivalent
Credit	1
<p>German 4 expands the skills acquired by the students in German 3. Specific content includes, but is not limited to, more advanced language structures and idiomatic expressions, with emphasis on conversational skills. There is additional growth in vocabulary for practical purposes, including writing. Reading selections are varied and taken from the target language newspapers, magazines, and literary works. Students are expected to demonstrate proficiency at the Advanced-low to Advanced-high level by the end of this course.</p>	

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Q German 5	
Course #	07023601,2
Grade Level	9-12
Length	1 year
Prerequisite	German 4 or equivalent
Credit	1
<p>German 5 expands the skills acquired by students in German 4. Specific content to be covered includes, but is not limited to, developing presentational speaking skills through oral reports on literary and cultural topics, current events, and personal experiences. Reading selections include newspaper and magazine articles, adaptations of short stories and plays, and surveys of target language literature. Presentational writing is enhanced through compositions using correct language structures. Students are expected to demonstrate proficiency at the Advanced-high level by the end of this course.</p>	

<p>The purpose of this course is to develop oral and written fluency in the language. Content includes, but is not limited to, that determined by the Advanced Placement Program Guidelines.</p> <p>Students are required to take the Advanced Placement examination.</p>
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Greek

Q German 6	
Course #	07023701,2
Grade Level	9-12
Length	1 year
Prerequisite	German 5 or equivalent
Credit	1
<p>German 6 expands the communication skills acquired by students in German 5. Specific content includes, but is not limited to: 1) reinforcement of the student's interpersonal communication skills: their ability to express ideas, feelings, and opinions in oral and written forms 2) further development of comprehension skills through the study of literary selections and 3) reading and interpretation of works of target language writers, while developing an understanding of major literary movements. Students are expected to demonstrate proficiency at the Superior level by the end of this course.</p>	

Greek 1	
Course #	07033201,2
Grade Level	9-12
Length	1 year
Prerequisite	None
Credit	1
<p>Greek 1 introduces students to the target language and its culture. The student will develop communicative skills in all 3 modes of communication and cross-cultural understanding. Emphasis is placed on proficient communication in the language. An introduction to reading and writing is also included as well as culture, connections, comparisons, and communities. Students are expected to demonstrate proficiency at the Novice-low to Novice-high level by the end of this course.</p>	

Q Advanced Placement: German Language	
Course #	07023801,2
Grade Level	9-12
Length	1 year
Prerequisite	German 4 or equivalent
Credit	1

Greek 2	
Course #	07033301,2
Grade Level	9-12
Length	1 year
Prerequisite	Greek 1 or equivalent
Credit	1
<p>Greek 2 reinforces the fundamental skills acquired by the students in Greek 1. The course develops increased listening, speaking, reading, and writing skills as well as cultural awareness. Specific content to be covered is a continuation of listening and oral skills acquired in Greek 1. Reading and writing receive more emphasis, while oral communication remains the</p>	

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primary objective. The cultural survey of the target language-speaking people is continued. Students are expected to demonstrate proficiency at the Intermediate-low to Intermediate-mid level by the end of this course.

newspapers, magazines, and literary works. Students are expected to demonstrate proficiency at the Advanced-low to Advanced-mid level by the end of this course.

Q Greek 3	
Course #	07033401,2
Grade Level	9-12
Length	1 year
Prerequisite	Greek 2 or equivalent
Credit	1
<p>Greek 3 provides mastery and expansion of skills acquired by the students in Greek 2. Specific content includes, but is not limited to, expansion of vocabulary and conversational skills through discussions of selected readings. Contemporary vocabulary stresses activities that are important to everyday life of the target language-speaking people. Students are expected to demonstrate proficiency at the Intermediate-high to Advanced-low level by the end of this course.</p>	

Q Greek 5	
Course #	07033601,2
Grade Level	9-12
Length	1 year
Prerequisite	Greek 4 or equivalent
Credit	1
<p>Greek 5 expands the skills acquired by students in Greek 4. Specific content to be covered includes, but is not limited to, developing presentational speaking skills through oral reports on literary and cultural topics, current events, and personal experiences. Reading selections include newspaper and magazine articles, adaptations of short stories and plays, and surveys of target language literature. Presentational writing is enhanced through compositions using correct language structures. Students are expected to demonstrate proficiency at the Advanced-high level by the end of this course.</p>	

Q Greek 4	
Course #	07033501,2
Grade Level	9-12
Length	1 year
Prerequisite	Greek 3 or equivalent
Credit	1
<p>Greek 4 expands the skills acquired by the students in Greek 3. Specific content includes, but is not limited to, more advanced language structures and idiomatic expressions with emphasis on conversational skills. There is additional growth in vocabulary for practical purposes, including writing. Reading selections are varied and taken from the target language</p>	

Q Greek 6	
Course #	07033701,2
Grade Level	9-12
Length	1 year
Prerequisite	Greek 5 or equivalent
Credit	1

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German 6 expands the communication skills acquired by students in Greek 5. Specific content includes, but is not limited to: 1) reinforcement of the student's interpersonal communication skills: their ability to express ideas, feelings, and opinions in oral and written forms 2) further development of comprehension skills through the study of literary selections and 3) reading and interpretation of works of target language writers, while developing an understanding of major literary movements. Students are expected to demonstrate proficiency at the Superior level by the end of this course.

The purpose of this course is to enable students to enhance their proficiency in the foundations of Classical Greek vocabulary and grammar and to expand their knowledge of Classical culture. The content includes communication in Classical Greek using reading, writing, speaking and listening strategies, with emphasis on reading and writing. Also included are the perspectives, practices and products of Classical culture. The student continues to apply knowledge and skills to further his competence in other disciplines and in his own language as he studies the influence of Classical Greek language and Classical culture in modern society.

Classical Greek 1	
Course #	07033801,2
Grade Level	9-12
Length	1 year
Prerequisite	None
Credit	1
The purpose of this course is to introduce students to fundamental Classical Greek vocabulary and grammar and to Classical culture. The content includes communication in Classical Greek using reading, writing, speaking and listening strategies, with emphasis on reading and writing. Also included are the perspectives, practices and products of Classical culture. The student applies knowledge and skills to further his competence in other disciplines and in his own language as he studies the influence of Classical Greek language and Classical culture in modern society.	

Italian

Italian 1	
Course #	07053201,2
Grade Level	9-12
Length	1 year
Prerequisite	None
Credit	1
Italian 1 introduces students to the target language and its culture. The student will develop communicative skills in all 3 modes of communication and cross-cultural understanding. Emphasis is placed on proficient communication in the language. An introduction to reading and writing is also included as well as culture, connections, comparisons, and communities. Students are expected to demonstrate proficiency at the Novice-low to Novice-high level by the end of this course.	

Classical Greek 2	
Course #	07033901,2
Grade Level	9-12
Length	1 year
Prerequisite	Classical Greek 1 or equivalent
Credit	1

Italian 2	
Course #	07053301,2
Grade Level	9-12
Length	1 year

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Prerequisite	Italian 1 or equivalent
Credit	1
<p>Italian 2 reinforces the fundamental skills acquired by the students in Italian 1. The course develops increased listening, speaking, reading, and writing skills as well as cultural awareness. Specific content to be covered is a continuation of listening and oral skills acquired in Italian 1. Reading and writing receive more emphasis, while oral communication remains the primary objective. The cultural survey of the target language-speaking people is continued. Students are expected to demonstrate proficiency at the Intermediate-low to Intermediate-mid level by the end of this course.</p>	

Prerequisite	Italian 3 or equivalent
Credit	1
<p>Italian 4 expands the skills acquired by the students in Italian 3. Specific content includes, but is not limited to, more advanced language structures and idiomatic expressions, with emphasis on conversational skills. There is additional growth in vocabulary for practical purposes, including writing. Reading selections are varied and taken from the target language newspapers, magazines, and literary works. Students are expected to demonstrate proficiency at the Advanced-low to Advanced-mid level by the end of this course.</p>	

Q Italian 3	
Course #	07053401,2
Grade Level	9-12
Length	1 year
Prerequisite	Italian 2 or equivalent
Credit	1
<p>Italian 3 provides mastery and expansion of skills acquired by the students in Italian 2. Specific content includes, but is not limited to, expansions of vocabulary and conversational skills through discussion of selected readings. Contemporary vocabulary stresses activities that are important to everyday life of the target language-speaking people. Students are expected to demonstrate proficiency at the Intermediate-high to Advanced-low level by the end of this course.</p>	

Latin

Latin 1	
Course #	07063001,2
Grade Level	9-12
Length	1 year
Prerequisite	None
Credit	1
<p>Latin 1 introduces students to the target language and its culture. The student will develop a thorough understanding of the written language as well as the influence the language and culture has had on other world languages, culture, government, arts and laws. Emphasis is placed on proficient understanding in the reading of the language. An introduction to writing is also included as well as culture, connections, comparisons, and communities.</p>	

Q Italian 4	
Course #	07053501,2
Grade Level	9-12
Length	1 year

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Latin 2	
Course #	07063101,2
Grade Level	9-12
Length	1 year
Prerequisite	Latin 1 or equivalent
Credit	1
<p>Latin 2 expands the skills acquired by students in Latin 1. Specific content includes, but is not limited to, expansion of vocabulary and translation skills through comprehension of selected readings. Vocabulary and grammar stress activities that are important to prepare for translating the works of authentic authors in the target language. In presentational speaking and presentational writing, Latin students will present projects and reports of the research they have done about the culture, arts, history, politics, literature and mythology of the target language in English. Latin students will focus more on reading and interpreting written passages rather than using oral modes of communication.</p>	

reading and interpreting written passages rather than on using oral modes of communication.

Q Latin 4	
Course #	07063301,2
Grade Level	9-12
Length	1 year
Prerequisite	Latin 3 or equivalent
Credit	1
<p>Latin 4 expands the skills acquired by students in Latin 3. Specific content includes, but is not limited to, expansion of vocabulary and translation skills through comprehension of selected readings. Vocabulary and grammar stress activities that are important to authors such as Caesar, Cicero, Plautus, Ovid, Catullus, Horace, Pliny, Sallust, Juvenal and Vergil. In presentational speaking, Latin students will present projects and reports of the research they have done about the culture, arts, history, politics literature and mythology of the target language in English. For presentational writing, students will write essays of literary criticism to prepare for those expected an Advanced Placement and college classes. Latin students will focus more on reading and interpreting written passages rather than using oral modes of communication.</p>	

Q Latin 3	
Course #	07063201,2
Grade Level	9-12
Length	1 year
Prerequisite	Latin 2 or equivalent
Credit	1
<p>Latin 3 expands the skills acquired by students in Latin 2. Specific content includes, but is not limited to, expansion of vocabulary and translation skills through comprehension of selected readings. Vocabulary and grammar stress activities that are important to authors such as Caesar, Cicero, Ovid Catullus, Horace, Pliny, Sallust, Juvenal and Vergil. In presentational speaking, Latin students will present projects and reports of the research they have done about the culture, arts, history, politics, literature and mythology of the target language in English. For presentational writing, students will write essays of literary criticism to prepare for those expected in Advanced Placement and college classes. Latin students will focus more on</p>	

Q Latin 5	
Course #	07063401,2
Grade Level	9-12
Length	1 year
Prerequisite	Latin 4 or equivalent
Credit	1
<p>Latin 5 expands the skills acquired by students in Latin 4. Specific content includes, but is not limited to, expansion of vocabulary and translation skills through comprehension of selected readings. Vocabulary and grammar stress activities that are important to authors such as Caesar, Cicero, Plautus, Ovid, Catullus, Horace, Pliny, Sallust, Juvenal and Vergil. In presentational speaking, Latin students will present projects and reports of the research they have done about the culture, arts, history, politics, literature and mythology of the target language in English. For presentational writing, students will write essays of</p>	


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literary criticism to prepare for those expected in Advanced Placement and college classes. Latin students will focus more on reading and interpreting written passages rather than using oral modes of communication.


on proficient communication in the language. An introduction to reading and writing is also included as well as culture, connections, comparisons, and communities. Students are expected to demonstrate proficiency at the Novice-low to Novice-high level by the end of this course.

Q Advanced Placement: Latin	
Course #	07063751,2
Grade Level	9-12
Length	1 year
Prerequisite	Latin 3 or equivalent
Credit	1
The purpose of this course is to provide students with the opportunity to become advanced readers of Latin. Students develop and apply to their study of Latin language and literature: Reading and Comprehending, Translation, Contextualization, and Analysis of Texts. The content includes, but is not limited to the Advanced Placement Program guidelines.	
Students are required to take the Advanced Placement examination.	

 Spanish 2	
Course #	07083501,2
Grade Level	9-12
Length	1 year
Prerequisite	Spanish 1 or equivalent
Credit	1
Spanish 2 reinforces the fundamental skills acquired by the students in Spanish 1. The course develops increased listening, speaking, reading, and writing skills as well as cultural awareness. Specific content to be covered is a continuation of listening and oral skills acquired in Spanish 1. Reading and writing receive more emphasis, while oral communication remains the primary objective. The cultural survey of the target language-speaking people is continued. Students are expected to demonstrate proficiency at the Intermediate-low to Intermediate-mid level by the end of this course.	

Spanish

 Spanish 1	
Course #	07083401,2
Grade Level	9-12
Length	1 year
Prerequisite	None
Credit	1
Spanish 1 introduces students to the target language and its culture. The student will develop communicative skills in all 3 modes of communication and cross-cultural understanding. Emphasis is placed	


 Q Spanish 3	
Course #	07083601,2
Grade Level	9-12
Length	1 year
Prerequisite	Spanish 2 or equivalent
Credit	1
Spanish 3 provides mastery and expansion of skills acquired by the students in Spanish 2. Specific content includes, but is not limited to, expansion of vocabulary and conversational skills through discussions of selected readings. Contemporary vocabulary stresses activities that are important to the everyday life of the target language-speaking people. Students are expected to demonstrate proficiency at the	

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Intermediate-high to Advanced-low level by the end of this course.


target language literature. Interpretive writing is enhanced through compositions using correct language structures. Students are expected to demonstrate proficiency at the Advanced-high level by the end of this course.

	
Q Spanish 4	
Course #	07083701,2
Grade Level	9-12
Length	1 year
Prerequisite	Spanish 3 or equivalent
Credit	1
<p>Spanish 4 expands the skills acquired by the students in Spanish 3. Specific content includes, but is not limited to, more advanced language structures and idiomatic expressions, with emphasis on conversational skills. There is additional growth in vocabulary for practical purposes, including writing. Reading selections are varied and taken from the target language newspapers, magazines, and literary works. Students are expected to demonstrate proficiency at the Advanced-low to Advanced-mid level by the end of this course.</p>	

Q Spanish 6	
Course #	07083901,2
Grade Level	9-12
Length	1 year
Prerequisite	Spanish 5 or equivalent
Credit	1
<p>Spanish 6 expands the communication skills acquired by students in Spanish 5. Specific content includes, but is not limited to: 1) reinforcement of the students' interpersonal communication skills: their ability to express ideas, feelings, and opinions in oral and written forms 2) further development of comprehension skills through the study of literary selections and 3) reading and interpretation of works of target language writers, while developing an understanding of major literary movements. Students are expected to demonstrate proficiency at the Superior level by the end of this course.</p>	

Q Spanish 5	
Course #	07083801,2
Grade Level	9-12
Length	1 year
Prerequisite	Spanish 4 equivalent
Credit	1
<p>Spanish 5 expands the skills acquired by the students in Spanish 4. Specific content includes, but is not limited to, developing presentational speaking skills through oral reports on literary and cultural topics, current events, and personal experiences. Reading selections include newspaper and magazine articles, adaptations of short stories and plays, ad surveys of</p>	

Q Advanced Placement: Spanish Language	
Course #	07084001,2
Grade Level	9-12
Length	1 year
Prerequisite	*Spanish 4 and/or 5 or equivalent
Credit	1
<p><i>*It is recommended that students complete the highest level of Spanish offered at the school before enrolling in an AP course.</i></p> <p>The purpose of this course is to develop oral and written fluency in the language. Content includes, but is not limited to, that determined by the Advanced Placement Program Guidelines.</p> <p>Students are required to take the Advanced Placement examination.</p>	

	
Q Advanced Placement: Spanish Literature	
Course #	07084101,2

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Grade Level	9-12
Length	1 year
Prerequisite	*Spanish 4 and/or 5 or equivalent
Credit	1
<i>*It is recommended that students complete the highest level of Spanish offered at the school and AP Spanish Language before enrolling in an AP course.</i>	
The purpose of this course is to develop oral and written fluency in the language. The content includes, but is not limited to, that determined by the Advanced Placement Program.	
Students are required to take the Advanced Placement examination.	

acquired in Spanish for Spanish Speakers 1. Students are exposed to a variety of Spanish literary genres and authors. Language Arts Standards are also included in this course to enable students to become literate in Spanish and gain a better understanding of the nature of their own language as well as other languages to be acquired.

Spanish for Spanish Speakers

Spanish For Spanish Speakers 1	
Course #	07093001,2
Grade Level	9-12
Length	1 year
Prerequisite	None
Credit	1
The purpose of this course is to enable students whose heritage language is Spanish to develop, maintain, and enhance proficiency in their home language by reinforcing and acquiring skills in listening, speaking, reading and writing, including the fundamentals of Spanish grammar. Language Arts Standards are also included in this course to enable students to become literate in the Spanish language and gain a better understanding of the nature of their own language as well as other languages to be acquired.	

Q Spanish for Spanish Speakers 3	
Course #	07093201,2
Grade Level	9-12
Length	1 year
Prerequisite	Spanish for Spanish Speakers 2 or equivalent
Credit	1
The purpose of this course is to enable students whose heritage language is Spanish to develop, maintain, and enhance proficiency in their heritage language by reinforcing and expanding skills in listening, speaking, reading, and writing, as well as Spanish grammar skills acquired in Spanish for Spanish Speakers 2. Students are exposed to a variety of Spanish literary genres and authors from a variety of cultural authentic sources. Language Arts Standards are also included in this course to enable students to become literate in Spanish and gain a better understanding of the nature of their own language as well as other languages to be acquired.	

Spanish for Spanish Speakers 2	
Course #	07093101,2
Grade Level	9-12
Length	1 year
Prerequisite	Spanish for Spanish Speakers 1
Credit	1
The purpose of this course is to enable students whose heritage language is Spanish to develop, maintain, and enhance proficiency in their heritage language by reinforcing and expanding skills in listening, speaking, reading, and writing, as well as Spanish grammar skills	

Q Spanish for Spanish Speakers 4	
Course #	07093301,2
Grade Level	9-12
Length	1 year
Prerequisite	Spanish for Spanish Speakers 3 or equivalent
Credit	1
The purpose of this course is to enable students whose heritage language is Spanish to develop, maintain, and	

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enhance proficiency in their heritage language by reinforcing and expanding skills in listening, speaking, reading, and writing, as well as Spanish grammar skills acquired in Spanish for Spanish Speakers 3. Students are exposed to a variety of Spanish literary genres and authors, technical styles from a variety of cultural authentic sources. Language Arts Standards are also included in this course to enable students to become literate in Spanish and gain a better understanding of the nature of their own language as well as other languages to be acquired.

Credit	1
The purpose of this course to reinforce previously acquired skills. It provides students who already demonstrate a working knowledge of the focus language with the opportunity to practice conversational skills while developing knowledge of various disciplines, such as history, geography, philosophy, business practices and the arts. Emphasis is placed on conversational practice related to pieces of literature, works of art, and historical events and business. As a result of their studies, students demonstrate knowledge of different types of governments, civic responsibilities, economics and the need for international cooperation.	

Foreign Language Humanities for International Studies 1	
Course #	0714300
Grade Level	10-12
Length	1 year
Prerequisite	Years 1 and 2 of focus language
Credit	1
The purpose of this course is to provide students who already demonstrate a working knowledge of the focus language with the opportunity to practice conversational skills while developing knowledge of various disciplines, such as history, geography, philosophy, business practices and the arts. Emphasis is placed on conversational practice related to pieces of literature, works of art, the business world and current events. As a result of their studies, students demonstrate an awareness of world issues and cultural differences as reflected in the arts as well as the concept of interdependence among nations.	

Q Foreign Language Humanities for International Studies 3	
Course #	07143201,2
Grade Level	9-12
Length	1 year
Prerequisite	Years 1, 2, and 3 of focus language or equivalent or Foreign Language Humanities for International Studies 1 and 2
Credit	1
The purpose of this course is to reinforce previously acquired skills. It provides students who are already conversant in the focus language with the opportunity to practice conversational skills while developing increasing knowledge of various disciplines, such as history, geography, philosophy, business practices and the arts. Emphasis is placed on conversational practice related to pieces of literature, works of art, business and historical events. As a result of their studies, students demonstrate knowledge of the global economy, contributions of other cultures to the literature, art and music of the world and to the formation of their own culture. Students also exhibit knowledge of different world communities and demonstrate an awareness of economic and social responsibilities.	

Foreign Language Humanities for International Studies 2	
Course #	07143101,2
Grade Level	9-12
Length	1 year
Prerequisite	Years 1 and 2 of focus language and Foreign Language Humanities for International Studies 1

Q Foreign Language Humanities for International Studies 4	
Course #	07143301,2
Grade Level	9-12

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Length	1 year
Prerequisite	Years 1, 2, 3, and 4 of focus language or equivalent or Foreign Language Humanities for International Studies 1, 2 and 3
Credit	1
<p>The purpose of this course is to reinforce previously acquired skills. It provides students who have already acquired good listening, speaking, reading and writing abilities in the focus language with the opportunity to practice conversational skills while developing a growing knowledge of various disciplines, such as history, geography, philosophy, business practices and the arts. Emphasis is placed on conversational practice related to the role of art in the transmission of culture, cultural differences as expressed in regional and traditional music, the importance of specific historical events in the modern world, and an awareness of the principles and realities of social, political, economic and civic life in the world community.</p>	

Q* Pre-AICE French Language 1	
Course #	0701394
Grade Level	9-10
Length	1 year
Prerequisite	Acceptance into PRE-AICE
Credit	1 year
<p>This is an examination designed for students learning French as a foreign language. The aim is to develop an ability to use the language effectively for purposes of practical communication. The course is based on the linked language skills of listening, reading, speaking and writing, and these are built on as students progress through their studies. The syllabus also aims to offer insights into the culture and civilization of countries where the language is spoken, thus encouraging positive attitudes towards language learning and towards speakers of foreign languages.</p>	

Q* Pre-AICE Spanish Language 1	
Course #	0708532
Grade Level	9-10
Length	1 year
Prerequisite	Acceptance into PRE-AICE
Credit	1
<p>This is an examination designed for students learning Spanish as a foreign language. The aim is to develop an ability to use the language effectively for purposes of practical communication. The course is based on the linked language skills of listening, reading, speaking and writing, and these are built on as students progress through their studies. The syllabus also aims to offer insights into the culture and civilization of countries where the language is spoken, thus encouraging positive attitudes towards language learning and towards speakers of foreign languages.</p>	

<p>SPECIAL COURSES OFFERED ONLY by the Cambridge University MAGNET PROGRAMS at Clearwater, Dixie Hollins, and Tarpon Springs High Schools</p>
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Q* Pre-AICE Spanish Language 2	
Course #	0708534
Grade Level	9-10
Length	1 year
Prerequisite	Acceptance into PRE-AICE

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Credit	1
<p>The syllabus requires students to read, interpret and evaluate a range of literary texts. As well as developing an understanding of the texts studied, in terms of both literal meaning and the deeper themes or attitudes that may be expressed, the syllabus aims to foster students' enjoyment of reading. Through their reading, students learn to recognize and appreciate the ways in which writers use Spanish to achieve a range of effects, and are encouraged to present an informed, personal response to the material they are studying. The syllabus also allows the exploration of wider and universal issues, promoting students' better understanding of themselves and of the world around them.</p>	

Prerequisite	Acceptance Into PRE-AICE
Credit	1
<p>This course is designed for learners who are learning Spanish as a foreign language. The aim is to develop an ability to use the language effectively for practical communication. The course is based on the linked language skills of listening, reading, speaking and writing, and these are built on as learner's progress through their studies. The course also aims to offer insights into the culture and civilization of countries where the language is spoken, thus encouraging positive attitudes towards language learning and towards speakers of foreign languages.</p>	

SPECIAL COURSES PRE IB / IB
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Q AICE Spanish Language AS	
Course #	0708538
Grade Level	11-12
Length	1 year
Prerequisite	Acceptance into AICE
Credit	1.0
<p>The Cambridge International AS Level Spanish syllabus enables learners to achieve greater fluency, accuracy and confidence in the language as it is spoken and written, and improve their communication skills. They will learn how to improve their use of Spanish in a variety of situations, understanding how to read texts and other source materials, extract information, initiate conversations and respond to questions both orally and in writing.</p>	

Q PRE IB French 1 / 2	
Course #	07018005/ 07018105
Grade Level	9-10
Length	1 year
Prerequisite	None
Credit	1
<p>Students will work toward proficiency in French through the building of listening, speaking, reading and writing skills. The course has an early emphasis on oral and written expression. Course work includes mastery of basic grammatical principles and acquisition of a working vocabulary in French. From the beginning of French study, the students are exposed to the geographic, ethnic, and cultural variety of the French speaking world. Students may also read poems and short stories in French, perform French skits, and study the most frequently used idioms in the French language.</p>	

Q Pre-AICE Spanish 3 IG	
Course #	0708536
Grade Level	9-10
Length	1 Year

Q PRE IB French 3	
Course #	07018205
Grade Level	9-10

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Length	1 year
Prerequisite	Pre IB French 1 / 2 or equivalent
Credit	1
<p>This course includes necessary grammatical structures for refining already acquired skills in French. Material covered in the first year course will be reviewed, and there will be increased practice and drill of appropriate speech patterns and sounds. The student's vocabulary will be enriched, and practice in oral and written expression will be emphasized. Idiomatic usage will be highlighted to render a richer style in communication. Students who complete the first two years of PRE IB French will have completed three levels of language.</p>	

Q IB French 4	
Course #	07018305
Grade Level	11-12
Length	1 year
Prerequisite	IB French 3 or equivalent
Credit	1
<p>Students will continue to master intermediate grammar, composition, and oral work in level 4. Students will be required to read articles and literary works in French. This course will also include an introduction to advanced grammar as well as class conversations, and oral reports.</p>	

Q IB French 5	
Course #	07018405
Grade Level	11-12
Length	1 year
Prerequisite	IB French 4 or equivalent
Credit	1
<p>This course prepares students to take the IB French subsidiary or higher level examinations. Students are required to master advanced grammar topics, and learn and apply vocabulary dealing with literature and IB life and civilization topics. Oral reports, conversation and written compositions are integral parts of the course.</p>	

Q* German 1-Pre IB	
Course #	0702800
Grade Level	9-10
Length	1 year
Prerequisite	
Credit	1
<p>The aims of a second language are to 1. develop students' intercultural understanding 2. enable students to understand and use the language they have studied in a range of contexts and for a variety of purposes 3. encourage, through the study of texts and through social interaction, an awareness and appreciation of the different perspectives of people from other cultures 4. develop students' awareness of the role of language in relation to other areas of knowledge 5. develop students' awareness of the relationship between the languages and cultures with which they are familiar 6. provide students with a basis for further study, work and leisure through the use of an additional language 7. provide the opportunity for enjoyment, creativity and intellectual stimulation through knowledge of an additional language.</p>	


Q PRE IB Spanish 1 / 2	
Course #	07088005/ 07088105
Grade Level	9-10
Length	1 year
Prerequisite	None
Credit	1
<p>Students will work toward proficiency in Spanish through the building of listening, speaking, reading and writing skills. First year emphasis will be on the development of listening and speaking abilities. Question and answer oral exercises as well as dialogues will be part of the daily routine. Students will be guided to improvisation and free communication. Reading and writing skills will also assume a large part of the program. Students will acquire a basic knowledge of the culture of Spanish-speaking people.</p>	

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Q PRE IB Spanish 3	
Course #	07088205
Grade Level	9-10
Length	1 year
Prerequisite	PRE IB Spanish 1 / 2 or equivalent
Credit	1
<p>Students in this course will master the grammatical structures in Spanish through listening, speaking, reading, and writing. Emphasis will be placed on increasing vocabulary and refining its use, including idioms. Students will be required to write original compositions, prepare improvised short speeches, read short stories and poetry and research the customs and culture of Spanish-speaking countries. Students who complete the first two years of PRE IB Spanish will have completed three levels of language.</p>	

<p>examinations in Spanish language. Students will concentrate on the study of two literary works.</p>
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Explanation of Symbols	
Symbol	Explanation
	<p>The Pinellas County School (PCS) virtual symbol indicates this course is available in a Pinellas County School virtual learning environment.</p> <p>All Pinellas County School Virtual School (PVS) courses are aligned with the Next Generation Sunshine State Standards (NGSSS) and in the Board approved MS and HS Course Code Directories.</p>

Q IB Spanish 4	
Course #	07088305
Grade Level	11-12
Length	1 year
Prerequisite	PRE IB 3 or equivalent
Credit	1
<p>Students will continue to master intermediate grammar, composition, and oral work. Spanish is the primary language of communication. Students will be required to read articles and literary works in Spanish. This course will also include an introduction to advanced grammar as well as conversation and oral reports.</p>	

Q IB Spanish 5	
Course #	07088405
Grade Level	11-12
Length	1 year
Prerequisite	IB Spanish 4 or equivalent
Credit	1
<p>This course prepares students to take the IB Spanish subsidiary or higher level examinations. Students are required to speak Spanish in class, master advanced grammar topics, and learn vocabulary dealing with literature and the IB life and civilization topics. Oral reports, conversation and composition work form an integral part of the course. This course will prepare the students for the Advanced Placement</p>	

2013-2014 Graduation Requirements (Dual Enrollment, Early Admission, Early College, Fast Track BA)

Grading Scale
The following point scale will apply to all high schools, as well as to middle school students enrolled in high school courses in grade 7 or 8 for credit toward graduation:
A = 4 grade points (90-100) (outstanding progress)
B = 3 grade points (80-89) (above average progress)
C = 2 grade points (70-79) (average progress)
D = 1 grade point (60-69) (lowest acceptable progress)
F = 0 grade points (0-59) (failure)
Percents between eighty-nine percent (89%) and ninety percent (90%), seventy-nine percent (79%) and eighty percent (80%), sixty-nine percent (69%) and seventy percent (70%), and fifty-nine (59%) and sixty percent (60%) shall be rounded up to the higher grade if at the midpoint (.5) or above; those below the midpoint (.5) shall be rounded down to the lower grade.
Calculating Final Grades
The final grade in high schools offering the seven (7) credit schedule is a semester grade determined by giving equal value to each of the grades of the three (3) marking periods and to the final examination.
To obtain the semester grade, add the unweighted grade point values of the three (3) term grades (T) and the unweighted grade point value of the exam grade (E), and divide that total by four (4):
$(T1+T2+T3+E)/4 = \text{Semester Grade}^*$
In courses for which final examinations are not prescribed, the final grade will be determined by averaging the unweighted grades of the three (3) terms:
$(T1+T2+T3)/3 = \text{Semester Grade}^*$

Weighted Grade Point Average					
Grades are assigned the following point values only when determining class ranking and for averages for summa cum laude, magna cum laude, cum laude status, valedictorian, salutatorian, and the National Honor Society:					
	A	B	C	D	F
Honors (Q)	5	4	3	1	0
Regular	4	3	2	1	0
Basic (B)	3	2	1	.5	0
Class Rank: Class rank will be computed based on all courses taken for high school credit through the first semester of the 12th grade year.					
Honors Status					
Students must earn the following cumulative weighted grade point averages (not rounded) to qualify for honors status. High school seniors who become eligible for an honors status during the second semester of their senior year shall have their seals mailed to them.					
Summa cum laude -	GPA greater than 4.0				
Magna cum laude -	GPA greater than 3.8 but less than or equal to 4.0				
Cum laude -	GPA greater than or equal to 3.5 but less than or equal to 3.8				
With Distinction -	GPA greater than or equal to 3.25 but less than 3.5				

The resulting semester grade average is converted to a letter grade based on the scale below (see paragraph (c) regarding grades at the midpoint):

- A = 3.5-4
- B = 2.5-3.5
- C = 1.5-2.5
- D = .5-1.5
- F = 0-.5

*These formulas for arriving at a student's grade may be nullified in any course in which the passing of a county test is part of the requirements, as stated in the County Course Description Catalog.

2013-2014 Graduation Requirements (Dual Enrollment, Early Admission, Early College, Fast Track BA)

Dual Credit
The 2013-2014 St. Petersburg College Dual Credit Course list will be distributed in late Spring after School Board approval.
Dual credit courses provide standard diploma students with the opportunity to earn high school credit as well as college credit from St. Petersburg College (SPC). Course offerings at high schools will vary. College application fees and tuition are waived by the college and textbooks are paid for by the school district.
In order to be eligible to take dual credit classes students must:
1. be in 11th or 12th grade (other eligible secondary students must be academically advanced and in need of college level courses to meet specific high school graduation requirements);
2. have a cumulative unweighted grade point average of 3.0 on a 4.0 scale; and
3. have earned an acceptable score on the SPC placement test.
Students may enroll only in dual credit courses that are included in the Pinellas County Schools' Articulation Agreement with the college. SPC requires that students take the final exam in all courses.
With permission from the high school principal, students who meet the above eligibility requirements, may enroll in specified dual credit courses on the SPC campus as part of their regular high school schedule for up to half of the school day. Students must complete the application for Dual Campus form and obtain approval of the high school principal or designee prior to enrolling in classes on the SPC campus.
Guidance Counselors and the dual credit liaison in each high school have further details regarding this program.

Early Admission
A high school student may enter St. Petersburg College, University of Florida, or University of South Florida Honors College after the 11th grade provided that certain requirements have been satisfied. College application fees and tuition are waived by the college. This program requires that students spend their senior year as a full-time college student, completing high school graduation requirements while working toward their college AA degree.
In order to be eligible for early admission to college students must:
1. have completed three full years of high school with a minimum of 18 credits earned;
2. be enrolled in and attend a PCS high school for the full semester prior to the start of Early Admission;
3. have a cumulative unweighted grade point average of 3.0 on a 4.0 scale (3.8 for USF Honors College);
4. have met the minimum level of performance for high school graduation on the FCAT;
5. have earned 1.0 credit in HOPE and 1.0 credit in World History
6. have earned an acceptable score on the college placement test;
7. have obtained the signature of the high school principal on the application for Early Admission to College by February 10 th for Fall and October 10 th for Spring; and
8. have met the college application deadline.
Guidance Counselors and the dual credit liaison in each high school have further details regarding this program.

Early College

**2013-2014 Graduation Requirements
(Dual Enrollment, Early Admission, Early College, Fast Track BA)**

The Early College Program is a partnership between St. Petersburg College and Pinellas County Schools that offers new and innovative options for high school students.

Students entering grades 11 (and grade 12 based on availability) in Pinellas County high schools, as well as private and home-schooled students, who meet dual enrollment eligibility standards and reside in Pinellas County, will have the opportunity to attend the Early College Program.

Private and home-schooled students will be required to enroll in a public high school to participate. Students will remain dual-enrolled in their home high schools (allowing them to participate in extracurricular activities) while taking all classes at St. Petersburg College.

www.spcollege.edu/central/earlycollege

THREE-YEAR BACCALAUREATE

IN PINELLAS COUNTY

Students in designated Pinellas County high schools may participate in a special program that will permit them to obtain their bachelor's degree within three years after graduating from high school and save a year's worth of college cost at the same time.

The Fast Track BA, which offers an opportunity to specialize in many different majors, is a joint program offered by Pinellas County Schools, St. Petersburg College, and the University of South Florida's St. Petersburg campus. High school students can simultaneously earn high school and college credits without charge and complete college a year early. Students and their parents will save a full year of tuition and other costs of attending college. For more information contact the assistant principal for curriculum for further information regarding Fast Track B.A.

* The Fast Track BA Program is currently available at Dunedin High School.

FAST TRACK BA

2013-2014 Quality Point Courses

Updated 2-20-2014

The following courses will receive Honors quality points. Only these courses qualify for additional quality points in Pinellas County Schools.

The courses designated for magnet programs will receive Honors quality points **ONLY** in the designated magnet program. Students who transfer from a high school magnet program to a regular high school program will be allowed to transfer honors points only in those courses generating honors points in the regular school program.

**Quality Points approved for the first time in December 2008, for courses already existing in the course code directory, become effective with the 2009-2010 entering ninth grade class and subsequent years. (see district policy 5420.03, Final Grades, (H) Honors Quality Points)*

Note: Students **not** enrolled in the 2009-2010 entering ninth grade class may **not** receive quality points for these courses.

**Quality Points approved for the first time in December 2009, for courses already existing in the course code directory, become effective with the 2010-2011 entering ninth grade class and subsequent years. (see district policy 5420.03, Final Grades, (H) Honors Quality Points)*

Note: Students **not** enrolled in the 2010-2011 entering ninth grade class may **not** receive quality points for these courses.

**Quality Points approved for the first time in December 2010, for courses already existing in the course code directory, become effective with the 2011-2012 entering ninth grade class and subsequent years. (see district policy 5420.03, Final Grades, (H) Honors Quality Points)*

Note: Students **not** enrolled in the 2011-2012 entering ninth grade class may **not** receive quality points for these courses.

**Quality Points approved for the first time in February 2012, for courses already existing in the course code directory, became effective with the 2012-2013 entering ninth grade class and subsequent years. (see district policy 5420.03, Final Grades, (H) Honors Quality Points)*

Note: Students **not** enrolled in the 2012-2013 entering ninth grade class may **not** receive quality points for these courses.

**Quality Points approved for the first time in January 2013, for courses already existing in the course code directory, become effective with the 2013-2014 entering ninth grade class and subsequent years. (see district policy 5420.03, Final Grades, (H) Honors Quality Points)*

Note: Students **not** enrolled in the 2013-2014 entering ninth grade class may **not** receive quality points for these courses.

***When a new honors quality point course is added to the district's High School Uniform Course Descriptions, the honors quality point may be earned by all students in grades 9-12 enrolled in the course during its implementation year and subsequent years. (see district policy 5420.03, Final Grades, (H) Honors Quality Points)*

2013-2014 Quality Point Courses

<i>Quality Point Course Name</i>	<i>Course Number</i>
<u>Students are required to submit a portfolio of work for the Advanced Placement examination.</u>	
AP Studio: Art/Drawing	01043006
AP Studio Art: 2-D Design	010935001,2
AP Studio Art: 3-D Design	010936001,2
<u>Students are required to take the Advanced Placement examination.</u>	
AP History of Art	01003001,2
AP Computer Science A	02003201,2
AP French Language	07013801,2
AP German Language	07023801,2
AP Latin: Vergil	07063701,2
AP Spanish Language	07084001,2
AP Spanish Literature	07084101,2
AP English: Language and Composition	10014201,2
AP English: Literature and Composition	10014301,2
AP Calculus AB	12023101,2
AP Calculus BC	12023201,2
AP Statistics	12103201,2
AP Music Theory	13003301,2
AP Biology	20003401,2
AP Environmental Science	20013801,2
AP Chemistry	20033701,2
AP Physics B	20034201,2
AP Physics C	20034301,2
AP United States History	21003301,2
AP Microeconomics	21023600
AP Macroeconomics	21023700
AP Human Geography	21034001,2
AP United States Government and Politics	21064200
AP Comparative Government and Politics	21064300
AP Psychology	21073501,2
AP European History	21093801,2
AP World History	21094201,2

2013-2014 Quality Point Courses

Art History and Criticism 1 Honors	01003300
Art History and Criticism 2 Honors	01003400
Visual Technology 3 Honors	01074600
Two-Dimensional Studio Art 3-Honors	010132001,2
Three-Dimensional Studio Art 3-Honors	010135001,2
Ceramics/Pottery III	010232001,2
Advanced Computer Graphics	01033101,2
Drawing III	01043600
Painting III	01043900
Digital Art Imaging 3	010839001,2
Fine Craft Studio Art 3	010146001,2
Creative Photography III	01083301,2
Creative Photography IV	01083401,2
Portfolio Development: Drawing Honors	010931001,2
Portfolio Development: Two-Dimensional Design Honors	01093201,2
Portfolio Development: Three-Dimensional Design Honors	010933001,2
Computer Programming III	02013201,2
Philosophy Honors	2120910
Philosophy Honors II	2120915
Theatre 3 Honors	04003301,2
Theatre 4 Honors	04003401,2
Technical Theatre Design and Production 4 Honors	04004401,2
Theatre History and Literature 2 Honors	04003601,2
Comprehensive Theatre III	04004701,2
Comprehensive Theatre IV	04004801,2
French III	07013401,2
French IV	07013501,2
French V	07013601,2
French VI	07013701,2
German III	07023401,2
German IV	07023501,2
German V	07023601,2
German VI	07023701,2
Greek III	07033401,2
Greek IV	07033501,2
Greek V	07033601,2
Greek VI	07033701,2
Italian III	07053401,2
Italian IV	07053501,2
Latin III	07063201,2
Latin IV	07063301,2
Latin V	07063401,2
Spanish III	07083601,2
Spanish IV	07083701,2
Spanish V	07083801,2

2013-2014 Quality Point Courses

Spanish VI	07083901,2
Spanish for Spanish Speakers III	07093201,2
Spanish for Spanish Speakers IV	07093301,2
Chinese 3	07113201,2
Chinese 4	07113301,2
Chinese 5	07113351,2
ADV PL Chinese Language	07113401,2
Japanese 3	07123201,2
Foreign Language Humanities for International Studies III	07143201,2
Foreign Language Humanities for International Studies IV	07143301,2
American Sign Language III	07173121,2
American Sign Language IV	07173141,2
Advanced Health Explorations	08003600
English Honors I	10013201,2
English Honors II	10013501,2
English Honors III	10013801,2
English Honors IV	10014101,2
Advanced Communications Methodology	10014805
Semantics and Logic	10043000
Literature and the Arts I	10053501,2
Literature and the Arts II	10053601,2
Literature in the Media	10053651,2
Journalism III (Newspaper, Yearbook or Literary Magazine)	10063201,2
Journalism IV (Newspaper or Yearbook)	10063301,2
Journalism V (Newspaper, Yearbook or Literary Magazine)	10063311,2
Journalism VI (Newspaper, Yearbook or Literary Magazine)	10063321,2
Journalism VII (Newspaper, Yearbook or Literary Magazine)	10063331,2
Journalism VIII (Newspaper, Yearbook or Literary Magazine)	10063341,2
Debate III	10073501,2
Debate IV	10073601,2
Advanced Reading	10083200
Creative Writing III	10093310
Creative Writing IV	10093320
Television Production IV	11003301,2
Television Production V	11003311,2
Television Production VI	11003321,2
Television Production VII	11003331,2
Television Production VIII	11003341,2
Radio Broadcasting III	11003901,2
Radio Broadcasting IV	11004001,2
Algebra II Honors	12003401,2
Mathematical Analysis Honors	12013001,2
Analysis of Functions	12013101,2
Calculus	12023001,2
Pre-Calculus	12023401,2

2013-2014 Quality Point Courses

Geometry Honors	12063201,2
Analytic Geometry	12063300
Probability and Statistics with Applications	12103001,2
Trigonometry	12113000
Music Theory II	13003101,2
Music Theory III	13003201,2
Guitar IV	13013501,2
Keyboard IV	13013901,2
Band V A/B	13023401,2
Band VI A/B	13023501,2
Orchestra V A/B	13024001,2
Orchestra VI A/B	13024101,2
Instrumental Techniques IV	13024501,2
Instrumental Ensemble IV A/B	13024901,2
Jazz Ensemble IV A/B	13025301,2
Chorus V A/B	13033401,2
Chorus VI A/B	13033501,2
Chorus -High/low Range IV A/B	13033901,2
Vocal Techniques IV	13034301,2
Vocal Ensemble IV A/B	13034701,2
Electronic Music II	13043101,2
Electronic Music III	13043201,2
Research V	17003401,2
Research VI	17003501,2
Biology I Honors	20003201,2
Biology II	20003301,2
Anatomy and Physiology Honors	20003601,2
Earth/Space Science Honors	20013201,2
Marine Science I Honors	20025101,2
Marine Science II Honors	20025301,2
Chemistry I Honors	20033501,2
Chemistry II	20033601,2
Physics I Honors	20033901,2
Physics I Honors	20033905
Physics II	20034101,2
Astronomy Solar/Galactic Honors (formerly 202091A)	20209101,2
American History Honors	21003201,2
Eastern and Western Heritage Honors	21004601,2
Visions and Their Pursuits: US History to 1920	21004701,2
Visions and Countervisions: Europe, US & World 1848 Honors	21004801,2
Economics with Financial Literacy Honors (added 2 nd Semester 13-14)	21023450
Economics Honors (Do not use after 1 st Semester 13-14)	21023200
The American Economic Experience: Scarcity & Choice Honors	21023900
American Government Honors	21063200
The American Political System: Process & Power Honors	21064600

2013-2014 Quality Point Courses

Constitutional Law II	21064701,2
World History Honors	21093201,2
Biotechnology 1	30270101,2
Biotechnology 2	30270201,2
Energy Foundations (Energy Industry Fundamentals)	8006110
Introduction to Alternative Energy	8006120
Solar Energy Technician	8006130
Aquaculture 2	8112010
Aquaculture 3	8112020
Business Computer Programming 5	8206050
Business Computer Programming 6	8206060
Networking 4, Infrastructure	8207050
Networking 5	8207060
Networking 6	8207070
Web Design 5	8207150
Web Design 6	8207160
PC Support 5	8207250
Networking 2, Administration	8207441
Networking 3, Administration	8207442
Networking 4, Administration	8207443
Digital Design 5	8209550
Digital Design 6	8209560
Technical Design 1	8401010
Technical Design 2	8401020
Technical Design 3	8401030
Applied Engineering Technology I	8401110
Applied Engineering Technology II	8401120
Applied Engineering Technology III	8401130
Early Childhood Education 4	8405140
Practical Nursing 1-9	8418310-901,2
Electronics Technology III	8600930
Principles of the Biomedical Sciences	8708110
Human Body Systems	8708120
Medical Interventions	8708130
Biomedical Innovations	8708140
Drafting 3	8725030
Drafting 4	8725040
Architectural Drafting 5	8725450
Architectural Drafting 6	8725460
Architectural Drafting 7	8725470
Architectural Drafting 8	8725480
Architectural Drafting 9	8725490
Computer Systems and Information Technology (CSIT) Foundations	9001210
Computer Systems and Information Technology (CSIT) System Essentials	9001220

2013-2014 Quality Point Courses

Computer Systems and Information Technology (CSIT) Network Systems Configuration	9001230
Computer Systems and Information Technology (CSIT) Network Systems Design & Administration	9001240
Computer Systems and Information Technology (CSIT) Cyber Security Essentials	9001250
Computer & Network Security Fundamentals	9001320
Cybersecurity Essentials	9001330
Operational Cybersecurity	9001340
Web Technologies	9003420
IT Systems & Applications	9003430
Foundations of Programming	9007210
Procedural Programming	9007220
Object-Oriented Programming Fundamentals	9007230
Java Programming Essentials	9007240
Database Design & SQL Programming	9007310
SQL Extension Languages I	9007320
.NET Application Development Foundation	9007410
Web Programming	9007510
JavaScript Programming	9007520
Global Logistics Operations	9503130
Global Logistics Management	9503140
Agriscience Foundations 1	81068101,2
Agricultural Biotechnology 2	81068501,2
Veterinary Assisting 1	81115101,2
Veterinary Assisting 4	81115201,2
Veterinary Assisting 5	81115301,2
Veterinary Assisting 2	81115401,2
Veterinary Assisting 3	81115501,2
Environmental Resources 3	81130101,2
Environmental Resources 4	81130201,2
Introductory Horticulture 2	81215101,2
Horticulture Science 3	81215201,2
Horticulture Science 3	81215201,2
Horticulture Science & Services 4	81216101,2
Horticulture Science & Services 5	81216201,2
Horticulture Science & Services 6	81216301,2
IT Technical Support/Networking	82030511,2
Accounting Applications 1	82033101,2
Accounting Applications 2	82033201,2
Accounting Applications 3	82033301,2
Accounting Applications 4	82033401,2
Specialized Programming	82064301,2
Specialized Database Applications	82064401,2

2013-2014 Quality Point Courses

Networking 2, Infrastructure	82070301,2
Networking 3, Infrastructure	82070401,2
Web Design 4	82071401,2
PC Support 2	82072201,2
PC Support 3	82072301,2
PC Support 4	82072401,2
IT Programming/Database	82073201,2
IT Web/Digital Media	82073601,2
Digital Design 2	82095201,2
Digital Design 3	82095301,2
Digital Design 4	82095401,2
Business and Entrepreneurial Principles	82151201,2
Legal Aspects of Business	82151301,2
International Finance & Law	82161201,2
Medical Lab Assist 3	84172011,2
Medical Lab Assist 4	84172021,2
Nursing Assistant 3	84172111,2
Vision Care Assisting 3	84172311,2
Vision Care Assisting 4	84172321,2
Early Childhood Education 4	85032141,2
Fashion Design Specialist	85064301,2
Interior Design Specialist	85065601,2
Principles of Engineering	86005200
Digital Electronics	86005300
Introduction To Engineering	86005500
Computer Integrated Manufacturing	86005600
Civil Engineering and Architecture	86005900
Aerospace Engineering	86006200
Biotechnical Engineering	86006300
Engineering Design and Development	86006500
Construction Technology III	86007300
Drafting / Illustrative Design Technology III	86008301,2
Communications Technology I	86010101,2
Communications Technology II	86010201,2
Communications Technology III	86010301,2
Material & Processes Technology III	86011301,2
Power and Energy Technology III	86013300
Power and Energy Technology III	86013301,2
Production Technology III	86017401,2
Engineering Technology III	86017700
Aerospace Technology III	86017801,2
Advanced Applications in Technology I	86019001,2
Emergency Planning and Response 1	86020100
Emergency Planning and Response 2	86020200
Emergency Planning and Response 3	86020300

2013-2014 Quality Point Courses

Emergency Planning and Response 4	86020400
Automotive Collision: Repair and Refinishing 3-9	87090301,2-90
Automotive Service Technology 3-12	87094301,2-93
Commercial Art Technology 3-10	87180301,2-91
Building Construction Technology 3-7	87203301,2-70
Carpentry & Cabinetmaking 3-7	87221301,2-70
Electricity 3-8	87272301,2-80
Computer Systems Technology 3-11	87321301,2-92
Biotechnology 3	87360301,2
Printing and Graphic Arts 4-12	87390401,2-93
Diesel Engine Service 3-12	87420301,2-93
Machining 3-12	87540301,2-93
Commercial Foods and Culinary Arts 3-10	87630301,2-91
Commercial Photography Technology 3-11	87720301,2-92
Television Production 3-11	87721301,2-92
Culinary Arts 4	88005401,2
Business Ownership	88120001,2
Business Management and Law	88121201,2
Financial Operations	88151101,2
Personal Financial Planning	88151201,2
Managerial Accounting	88151601,2
Business in a Global Economy	88151701,2
Sport, Recreation, and Entertainment Marketing Management	88274301,2
International Marketing 3	88391301,2
Travel and Tourism Marketing and Management	88451201,2
Land Resources 3	89130301,2
Land Resources 4	89130401,2
Water Quality Resources 3	89160101,2
Water Quality Resources 4	89160201,2
Criminal Justice Occupations 3	89180301,2
Criminal Justice Operations 4	89180401,2
Foundations of Web Design	90011101,2
User Interface Design	90011201,2
Web Scripting Fundamentals	90011301,2
Media Integration Essentials	90011401,2
Technology Support Services-Client System	90014201,2
Technology Support Services-Network Systems	90014301,2
Technology Support Services-Specialized Technologies	90014401,2
Programming Essentials	90034501,2
Digital Media Fundamentals	90051101,2
Digital Media Production Systems	90051201,2
Digital Media Delivery Systems	90051301,2
Advanced Digital Media Systems	90051401,2
Automation and Production Technology 3	92001301,2
Automation and Production Technology 4	92001401,2

2013-2014 Quality Point Courses

Foundations of Robotics	94101101,2
Robotic Design Essentials	94101201,2
Robotic Systems	94101301,2
Robotic Applications Capstone	94101401,2
Center for Advanced Technologies (CAT)	
AP Computer Science A (IB and CAT)	02003205,6
Computer Applications in Science & Engineering	02003506
International Baccalaureate (IB)	
Physics II/III IB	20034105/20038505
Theatre I/II IB	04008105/04008205
Pre IB French I/II	07018005/07018105
Pre IB Spanish I/II	07088005/07088105
Pre IB English I/II IB	10018005/10018105
Pre IB English III/IV IB	10018205/10018305
Biology II/III IB	20008105/20008205
Chemistry II/III IB	20038105/20038205
Art I -Preinternational Baccalaureate	0114800
Art II-Preinternational Baccalaureate	0114810
Art I-A - Art/Design (Studio) Sub	0114840
Art II-A - Art/Design (Studio) Sub	0114850
Art I-A and B - Art/Design Higher Level International Baccalaureate	0114860
Art II-A and B - Art/Design Higher Level International Baccalaureate	0114870
AP Computer Science A (IB and CAT)	02003205,6
Computer Studies I IB	02008005,6
Computer Studies II IB	02008105,6
Information Technology in a Global Society IB	02008905
Information Technology in a Global Society IB-2	02009005
The American Political System: Process and Power Honors	2106460
Pre IB French III	07018205
IB French IV	07018305
IB French V	07018405
Pre IB Spanish III	07088205
IB Spanish IV	07088305
IB Spanish V	07088405
IB Theory of Knowledge 2	09008105
IB Math Analysis	12013205,6
Standard Level Mathematics Calculus - IB	12028005
Standard Level Mathematics Analytical Geometry - IB	12068005
Mathematical Studies IB	12098005
IB Math Higher level	12098300
Trigonometry IB	12118005
Music I Pre IB	13008005
Music II Pre IB	13008105
Music III IB A/B	13008205
Music IV IB A/B	13008305

2013-2014 Quality Point Courses

Inquiry Skills - Pre IB	17003605
Biology I Pre IB	20008005
Chemistry I Pre IB	20038005
History of the Americas IB	21008005
American History IB	21008105
Social Anthropology IB	21018005
Comparative Economic Systems Pre IB	21028005
World Geography IB	21038005
Philosophy 1 IB	21058605
American Government Pre IB	21068005
Psychology I IB	21078005
Psychology II IB	21078105
Contemporary History IB	21098005
World History Pre IB	21098105
European History IB	21098205
Pinellas County Center for the Arts (PCCA)	
Art Appreciation: History/Criticism	01003106
Art History I	01003308
Art History II	01003408
Art History III	01003508
Arts Collaborative Honors	01023401,2
Drawing/Painting III	01044006
Visual Technology III	01074608
Portfolio III	01093306
Dance Techniques III	03003306
Ballet IV	03003706
Dance Choreography/Performance II	03003906
Dance Repertory III	03004206
Dance Repertory IV	03004306
Dance History/Appreciation II	03004606
Dance Aesthetics I	03004706
Dance Kinesiology I	03004806
Dance Techniques IV	03004906
Dance Kinesiology II	03006006
Dance Aesthetics 2 Honors	03006106
Dance Seminar and Career Planning Honors	03006206
Theatre History and Literature II	04003601,2
Acting 4 Honors	04004006
Theatre History and Literature	04004906
Theatrical Direction II Honors	04005106
Voice and Diction III	04006406

2013-2014 Quality Point Courses

AICE Diploma by the University of Cambridge in the United Kingdom

AICE Art & Design	0101370
AICE Art and Design II	0101371
AICE Dress, Textiles AS Level	0105320
AICE Art & Design Film and Video	0107480
PRE-AICE FRENCH 1	0701394
GERMAN 1-PRE IB	0702800
PRE-AICE SPANISH 1	0708532
PRE-AICE SPANISH 2	0708534
Pre-AICE English Language	1001560
PRE-AICE ENG LIT	1005380
AICE GEN PAP	1009360
AICE MATH 1	1202352
AICE Mathematics & Probability & Statistics 2 A Level	1202364
Pre-AICE Mathematics III (counts for Algebra II Honors)	1202371
Pre-AICE Mathematic II (counts for Geometry)	1209820
Pre-AICE Music	1300430
Pre-AICE Global Perspectives	1700362
AICE GLBL PERSPE 1	1700364
AICE THINK SKLS 1	1700372
Pre-AICE Biology	2000322
AICE Food Studies	2001410
PRE-AICE CHEM	2003372
PRE-AICE PHYS	2003432
AICE International History AS	2100490
Pre-AICE World History	2109321

The 2012-2013 St. Petersburg College Dual Credit Course list will be distributed in late Spring after

2013-2014 Quality Point Courses

the Interinstitutional Articulation Agreement with SPC is finalized.

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