

Flagler Palm Coast High School

Course Descriptions



2023-2024

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Arts Courses

Course Name:	Instrumental Tech 1-3
Course Number:	1302420/30/40
Course Description:	Students in this class focus on the development of musical and technical skills on a specific instrument 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.
Additional Info:	Co-requisite: Band. Students are required to participate in rehearsals & performances outside the school day to support & extend learning in the classroom.

Course Name:	Band 1-4
Course Number:	1302300/10/20/30
Course Description:	This year-long promotes the enjoyment & appreciation of music through performance of high-quality wind & percussion literature. Rehearsals focus on the development of critical listening skills, instrumental & ensemble technique & skills, expanded music literacy, & aesthetic awareness culminating in periodic public performances.
Additional Info:	Students are required to participate in rehearsals & performances outside the school day to support & extend learning in the classroom.

Course Name:	Jazz Band 1-3
Course Number:	1302500/10/20
Course Description:	Students with jazz experience become conversant with basic chord progressions & the scale/chord relationship, strengthen aural skills, & learn to improvise & compose melodies over progressions as they rehearse, perform, & study high-quality jazz ensemble literature. Musicians study jazz history & become familiar with the cultural context of various compositions & artists.
Additional Info:	Co-requisite: Band. Students are required to participate in rehearsals & performances outside the school day to support & extend learning in the classroom.

Course Name:	Eurythmics 3 (Starlets)
Course Number:	1305320
Course Description:	Student dancers develop basic skills in performing & evaluating choreographed performances as an independent ensemble & in cooperation with a music ensemble. Emphasis is placed on dance, equipment manipulation, precision, & the relationship between music & dance. Public

	performances may serve as a culmination of specific instructional goals.
Additional Info:	Audition required. Students are required to participate in rehearsals & performances outside the school day to support & extend learning in the classroom.

Course Name:	Guitar 1
Course Number:	1301320
Course Description:	Students with little or no experience develop basic guitar skills and knowledge, including simple and full-strum chords, bass lines and lead sheets, barre and power chords, foundational music literacy and theory, major scales, simple finger-picking patterns, and ensemble skills for a variety of music. Beginning guitarists explore the careers and music of significant performers in a variety of styles. Public performances may serve as a culmination of specific instructional goals.
Additional Info:	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.

Course Name:	Chorus 1
Course Number:	1303300
Course Description:	This year-long class promotes the enjoyment & appreciation of music through performance of beginning choral repertoire from a variety of times & places. Rehearsals focus on the development of critical listening skills; foundational instrumental technique & skills, music literacy, & ensemble skills; & aesthetic musical awareness culminating in periodic public performances.
Additional Info:	Students are required to participate in rehearsals & performances outside the school day to support & extend learning in the classroom.

Course Name:	Chorus 2-4
Course Number:	13033010/1303320/1300330
Course Description:	This year-long class promotes the enjoyment & appreciation of music through performance of beginning choral repertoire from a variety of times & places. Rehearsals focus on the development of critical listening skills; foundational instrumental technique & skills, music literacy, & ensemble skills; & aesthetic musical awareness culminating in periodic public performances.
Additional Info:	Students are required to participate in rehearsals & performances outside the school day to support & extend learning in the classroom.

Course Name:	Vocal Ensemble 1-3
Course Number:	1303440/50/60
Course Description:	Students develop musicianship & 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, & aesthetic awareness.
Additional Info:	Audition required. Students are required to participate in rehearsals & performances outside the school day to support & extend learning in the classroom.

Course Name:	Acting 1
Course Number:	0400370
Course Description:	Through improvisation, simple scripted scenes, performance projects, and/or practical application, students learn to identify what makes performances believable & explore the tools used to create, articulate, & execute them. Upon completion of this course, students have a strong foundation for future scene work, script analysis, & play production. Public performances may serve as a culmination of specific instructional goals.
Additional Info:	Students are required to participate in rehearsals & performances outside the school day to support & extend learning in the classroom.

Course Name:	Acting 2/Acting 3
Course Number:	0400380/0400390
Course Description:	Students examine the various dimensions of characters through analysis, discussion, & classroom performance, working with scripts from a variety of time periods & cultures. They learn to break down a scene from a character's point of view, & also learn to sustain a character & build the relationship between actor & audience. Public performances may serve as a culmination of specific instructional goals.
Additional Info:	Students are required to participate in rehearsals & performances outside the school day to support & extend learning in the classroom.

Course Name:	Theater 2 (Thespians)
Course Number:	0400320
Course Description:	This course is designed for students with a year of experience or more, and promotes enjoyment and appreciation for all aspects of theatre through 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.
Additional Info:	Students are required to participate in rehearsals & performances outside the school day to support & extend learning in the classroom.

Course Name:	Dance Techniques 1-3
Course Number:	0300310/20/30
Course Description:	Students in this course 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.
Additional Info:	Students are required to participate in rehearsals & performances outside the school day to support & extend learning in the classroom.

Course Name:	Dance Rep 1-3
Course Number:	0300410/20/30
Course Description:	Students study the historical works of exemplary professional choreographers in one or more genres, learning to understand and apply each choreographer's movement design and artistic intent, and respecting the work as each choreographer's intellectual property. Students learn about Narrative, Literal, Non-Literal and Abstract dances, gaining skills for group and self-assessment, analysis, and problem solving. Public performances may serve as a culmination of specific instructional goals.
Additional Info:	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.

Course Name:	Stagecraft 1-3 (Technical Theater)
Course Number:	0400410/20/30
Course Description:	Students focus on developing the basic tools & procedures for creating elements of technical theatre, including costumes, lighting, makeup, properties (props), publicity, scenery, & sound. Technical knowledge of safety procedures & demonstrated safe operation of theatre equipment, tools, & raw materials are central to success in this course. Students explore & learn to analyze dramatic scripts, seeking production solutions through historical, cultural, & geographic research. Students also learn the basics of standard conventions of design presentation & documentation; the organizational structure of theatre production & creative work in a collaborative

	environment; & the resulting artistic improvement. Public performances may serve as a culmination of specific instructional goals.
Additional Info:	Students are required to participate in rehearsals & performances outside the school day to support & extend learning in the classroom.

Course Name:	Drawing 1
Course Number:	0104340
Course Description:	Students experiment with the media & techniques used to create a variety of two-dimensional (2-D) artworks through the development of skills in drawing. Students practice, sketch, & 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 & respond to their own work & that of their peers. This course incorporates hands-on activities & consumption of art materials.

Course Name:	Drawing 2
Course Number:	0104350
Course Description:	Students develop & refine technical skills & create 2-D compositions with a variety of media in drawing. Student artists sketch, manipulate, & 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 & respond to their own work & that of their peers. This course incorporates hands-on activities & consumption of art materials.
	Prerequisite: Drawing 1.

Course Name:	Portfolio 1
Course Number:	0109310
Course Description:	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.

Additional Info:	Prerequisite: Drawing 2.
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Course Name:	Portfolio 2
Course Number:	01093120
Course Description:	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.
Additional Info:	Prerequisite: Portfolio 1.

Course Name:	Creative Photography 1
Course Number:	0108310
Course Description:	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.

Course Name:	Creative Photography 2-3
Course Number:	0108320/30
Course Description:	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 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
Additional Info:	Prerequisite: Creative Photography 1.

Career & Technical Education Courses

Course Name:	Digital Video Technology 1
Course Number:	8201410
Course Description:	The purpose of this program is to prepare students for initial employment as production assistants, audio/video equipment technician, video/TV camera operators, video editors, multimedia artists/animations and broadcast technicians.
Additional Info:	Application required.

Course Name:	Digital Video Technology 2-4
Course Number:	8201420/30/40
Course Description:	The purpose of this program is to prepare students for initial employment as production assistants, audio/video equipment technician, video/TV camera operators, video editors, multimedia artists/animations and broadcast technicians.
Additional Info:	Prerequisite: Digital Video Technology 1.

Course Name:	Digital Media/Multimedia Foundations 1
Course Number:	8201210
Course Description:	<p>This course provides competencies in presentation production issues, basic computer knowledge, digital still photography, & photo editing software. After successfully completing this program, the student will be able to perform the following:</p> <ul style="list-style-type: none"> • Demonstrate knowledge of presentation production issues.

	<ul style="list-style-type: none"> • Demonstrate basic computer knowledge. • Demonstrate knowledge of still images & time-based media production • Demonstrate knowledge of photo & time-based editing software.
Additional Info:	In this class, you can expect to learn how to use Adobe Photoshop through a variety of design projects. The world's best imaging & graphic design software is at the core of just about every creative project, from photo editing & compositing to digital painting, animation, & graphic design. Creators across industries rely on Adobe Photoshop to go far beyond what is captured by a camera. We will start with the basics of the workspace & learn about the different tool sets available. As your knowledge & skill set expands, you will be able to explore your creativity through self-directed projects. You will build a beautiful portfolio by the end of the course.

Course Name:	Digital Media/Multimedia Foundations 2-3
Course Number:	8201220/30
Course Description:	<p>This course covers competencies in advanced design, illustration software, color modes, & fonts. After successfully completing this program, the student will be able to perform the following:</p> <ul style="list-style-type: none"> • Demonstrate proficiency in advanced design. • Demonstrate understanding of color modes. • Demonstrate proficiency in using fonts for advanced design. • Demonstrate proficiency in using illustration software. • Demonstrate knowledge of design layout software.
Additional Info:	<p>Prerequisite: Digital Media 1.</p> <p>In this class, you can expect to learn how to use Adobe Illustrator through a variety of design projects. Adobe Illustrator is the industry-standard vector graphics software used by millions to create logos, illustrations, packaging, & more. We will start with the basics of the workspace & learn about the different tool sets available. As your knowledge & skill set expands, you will be able to explore your creativity through self-directed projects. You will build a beautiful portfolio by the end of the course.</p>

Course Name:	Agriscience Foundations Honors
Course Number:	8106810
Course Description:	<p>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.</p>

Course Name:	Tech Ag Operations
Course Number:	8005110
Course Description:	This program offers 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 Agriculture, Food and Natural Resources 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 agriculture mechanics industry within the Agriculture, Food and Natural Resources career cluster.
Additional Info:	Prerequisite: Agriscience Foundation Honors

Course Name:	Vet Assisting 1
Course Number:	8111530
Course Description:	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 Agriculture, Food and Natural Resources 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 Agriculture, Food and Natural Resources career cluster.
Additional Info:	Prerequisite: Agriscience Foundation Honors

Course Name:	Vet Assisting 2-3
Course Number:	8111540/50
Course Description:	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 Agriculture, Food and Natural Resources 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 Agriculture, Food and Natural Resources career cluster.
Additional Info:	Prerequisite: Vet Assisting 1

Course Name:	Medical Skills
Course Number:	8400320
Course Description:	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 Health Science 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 Health Science career cluster.
Additional Info:	Prerequisite: Application into Allied Health program.

Course Name:	Health Care Anatomy and Physiology
Course Number:	8417100
Course Description:	This course is part of the secondary Health Core consisting of a study of the human body, both structurally and functionally with emphasis on the pathophysiology and transmission of disease. Medical terminology is an integral part of the course.
Additional Info:	Prerequisite: Medical Skills

Course Name:	Health Science Foundations Honors
Course Number:	8417110
Course Description:	This course is part of the Secondary Health Core designed to provide the student with an in depth knowledge of the health care system and associated occupations. Emphasis is placed on communication and interpersonal skills, use of technology, ethics and the development of critical thinking and problem solving skills. Students will also learn first aid skills and demonstrate the measurement of vital signs. Students may shadow professionals throughout the course.
Additional Info:	Prerequisite: Medical Skills

Course Name:	Electrocardiograph Technician 3
Course Number:	8427130
Course Description:	This course prepares students to be employed as Electrocardiograph Technicians. Content includes, but is not limited to, a foundation in the cardiovascular system, safety measures for the individual, co-workers and patients as well we training in the appropriate theories and instruments used by an Electrocardiograph Technician.
Additional Info:	Prerequisite: Medical Skills

Course Name:	Allied Health Assisting
Course Number:	8417131
Course Description:	In this course students will perform skills representative of one to three areas of allied health care in the laboratory and clinical settings. Major areas of allied health are defined as physical therapy, radiation, EKG, laboratory and respiratory medicine, and occupational therapy. Other areas of health, medicine, dentistry, or veterinary may be included with instructor provided competencies.
Additional Info:	Prerequisite: Health Science Foundations Honors This course requires clinical field experience and students must have their own transportation to and from Advent Health during the school day to complete.

Course Name:	DCT Principles
Course Number:	8303010
Course Description:	This program offers a sequence of courses that provides coherent & rigorous content aligned with challenging academic standards & relevant technical knowledge & skills needed to prepare for further education & careers in Diversified Education; provides technical skill proficiency, & includes competency-based applied learning that contributes to the academic knowledge, higher-order reasoning & problem-solving skills, work attitudes, general employability skills, technical skills, & occupation-specific skills, & knowledge of all aspects of the Diversified Education career cluster. This program offers a broad foundation of knowledge & skills to prepare students for employment in the selected occupational area.
Additional Info:	This course is a pre/co-requisite for OJT (On the Job Training).

Course Name:	OJT (On the Job Training)
Course Number:	8300410
Course Description:	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 & employer, including instructional objectives; a list of on-the-job & in-school learning experiences; a workstation which reflects equipment, skills & tasks which are relevant to the occupation which the student has chosen as a career goal; & 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.
Additional Info:	Students must have a part-time job with a minimum of 10 hours. Pre/co-requisite course is DCT Principles.

Course Name:	Medical Skills- Fire Academy
Course Number:	8400320
Course Description:	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 Health Science 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 Health Science career cluster.
Additional Info:	Application into the Fire Academy required. Note: This section is specific to the Fire Academy's needs.

Course Name:	Fire Fighting 1
Course Number:	8918210
Course Description:	The introduction to firefighting program content includes, but is not limited to, orientation to the fire service, fire alarms and communication, vehicles, apparatus and equipment, fire behavior, portable extinguishers, fire streams, fundamentals of extinguishment, ladders, hoses, tools and equipment, forcible entry, salvage, overhaul, ventilation, rescue, protective breathing equipment, first responder emergency, medical techniques, water supplies, principles of in-service inspections, safety, controlled burning, and employability skills.
Additional Info:	Prerequisite: Medical Skills

Course Name:	Fire Fighting 2
Course Number:	8918220
Course Description:	The introduction to firefighting program content includes, but is not limited to, orientation to the fire service, fire alarms and communication, vehicles, apparatus and equipment, fire behavior, portable extinguishers, fire streams, fundamentals of extinguishment, ladders, hoses, tools and equipment, forcible entry, salvage, overhaul, ventilation, rescue, protective breathing equipment, first responder emergency, medical techniques, water supplies, principles of in-service inspections, safety, controlled burning, and employability skills.
Additional Info:	Prerequisite: Fire Fighting 1

Course Name:	Fire Fighting 3
Course Number:	8918230
Course Description:	The purpose of this program is to provide the necessary training required for students to become certified firefighters as well as licensed Emergency Medical Technicians. It is not intended for those who are currently certified/licensed as either firefighters or EMTs. Students wishing to add an additional certification to an existing credential must enroll in either the Firefighter program or the Emergency Medical Technician program.
Additional Info:	Prerequisite: Fire Fighting 2

Course Name:	Public Safety and Security
Course Number:	8900100
Course Description:	The purpose of this course is to provide students with learning opportunities in a prescribed program of study within the Law, Public Safety & Security cluster(s) that will enhance opportunities for employment in the career field chosen by the student.
Additional Info:	Corequisite: Fire Fighting 3

Course Name:	Culinary Arts 1
Course Number:	8800510
Course Description:	This course covers the history of the food service industry & careers in that industry. Also covered are safety in the workplace; employability skills; leadership/teamwork skills; care & use of commercial culinary equipment; basic food science; basic nutrition; & following recipes in food preparation labs.

Course Name:	Culinary Arts 2
Course Number:	8800520
Course Description:	In this course students will learn state mandated guidelines for food service; how to attain food handler training certification; & perform front-of-the-house & back-of-the-house duties. Students will prepare quality food products & present them creatively; demonstrate safe, sanitary work procedures; understand food science principles related to cooking & baking; & utilize nutrition concepts when planning meals/menus.
Additional Info:	Prerequisite: Culinary Arts 1 & application.

Course Name:	Culinary Arts 3
Course Number:	8800530
Course Description:	In this course the student will research career opportunities in professional cooking/baking; follow guidelines on food selection, purchasing, & storage; & use communication skills. Students will prepare & present a variety of advanced food products; create centerpieces; & research laws specific to the hospitality industry. Also covered are management skills; how to develop a business plan; & utilization of technology in the workplace. Students will be knowledgeable about food safety manager training/certification training programs that are acceptable in Florida.
Additional Info:	Prerequisite: Culinary Arts 2 & application.

Course Name:	Culinary Arts 4
Course Number:	8800540
Course Description:	This course provides opportunities for students to apply their acquired knowledge & skills in culinary related scenarios. This is a culminating course to develop advanced culinary techniques & skills. Students will learn using modern technology & culinary trends
Additional Info:	Prerequisite: Culinary Arts 3 & application.

Course Name:	Carpentry Fundamentals
Course Number:	8104310
Course Description:	The purpose of this course is for the student to develop competencies essential to the carpentry industry including safety, use of manual & power tools, applied math, construction plan drawing, building materials, fasteners & hardware, rigging & scaffolding, sustainability & employability skills.
Additional Info:	Students will work to complete NCCER & CORE industry certifications.

Course Name:	Carpentry Layout
Course Number:	8104320
Course Description:	The purpose of this course is for the student to continue developing competencies essential to the carpentry profession. These competencies include site preparation & layout, building foundations, engineered structural lumber & floor system framing.
Additional Info:	Successful completion of Carpentry Fundamentals. Students will work to complete NCCER & CORE industry certifications.

Course Name:	Carpentry Framing
Course Number:	8104330
Course Description:	This Course focuses on framing walls & roofs, & provides an understanding of hurricane codes.
Additional Info:	Successful completion of Carpentry Layout. Students will work to complete NCCER & CORE industry certifications.

Course Name:	Carpentry Exterior
Course Number:	8104340
Course Description:	This course provides students with knowledge & skills pertaining to cold-formed steel framing, exterior stair construction, roofing applications, thermal & moisture protection & window & door installation.
Additional Info:	Successful completion of Carpentry Framing. Students will work to complete NCCER & CORE industry certifications.

Course Name:	Principles of Entrepreneurship
Course Number:	8812110
Course Description:	<p>This program offers a sequence of courses that provides coherent and rigorous content aligned with challenging academic standards and the relevant technical knowledge and skills needed to prepare for further education and careers in the Marketing, Sales and Service 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 Marketing, Sales and Service career cluster.</p> <p>The purpose of this program is to introduce students to the concept of entrepreneurship, present entrepreneurship as a viable career option, provide</p>

	students with the skills needed to realistically evaluate their potential as business owners, and to develop the fundamental knowledge and skills necessary to start and operate a business.
Additional Info:	Application required.

Course Name:	Business Management and Law
Course Number:	8812120
Course Description:	<p>This program offers a sequence of courses that provides coherent and rigorous content aligned with challenging academic standards and the relevant technical knowledge and skills needed to prepare for further education and careers in the Marketing, Sales and Service 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 Marketing, Sales and Service career cluster.</p> <p>The purpose of this program is to introduce students to the concept of entrepreneurship, present entrepreneurship as a viable career option, provide students with the skills needed to realistically evaluate their potential as business owners, and to develop the fundamental knowledge and skills necessary to start and operate a business.</p>
Additional Info:	Prerequisite: Principles of Entrepreneurship

Course Name:	Business Ownership
Course Number:	8812000
Course Description:	<p>This program offers a sequence of courses that provides coherent and rigorous content aligned with challenging academic standards and the relevant technical knowledge and skills needed to prepare for further education and careers in the Marketing, Sales and Service 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 Marketing, Sales and Service career cluster.</p> <p>The purpose of this program is to introduce students to the concept of entrepreneurship, present entrepreneurship as a viable career option, provide students with the skills needed to realistically evaluate their potential as business owners, and to develop the fundamental knowledge and skills necessary to start and operate a business.</p>
Additional Info:	Prerequisite: Business Management and Law

Course Name:	FTC: Grooming & Salon Services 1/Cosmetology and Facials
Course Number:	8758210/8905310
Course Description:	This course is designed to provide instruction in safety rules and procedures, school, classroom/laboratory procedures. It provides competencies in hair shampooing and conditioning, trimming and shaping hair using clippers, shears and razors.
Additional Info:	FTC Application Required

Course Name:	ERAU Principles of Aero Science and Intro to Unmanned Aircraft Systems
Course Number:	ASC 1000 and ASC 2560
Course Description:	The Unmanned Aircraft Systems (UAS) program provides the necessary education and training for aspiring professionals in the diverse field of unmanned aviation operations.
Additional Info:	Admission into ERAU dual enrollment program.

Course Name:	ERAU UAS Systems Operator and UAS Application in Aerial Photo
Course Number:	ASC 2562 and ASC 2563
Course Description:	The Unmanned Aircraft Systems (UAS) program provides the necessary education and training for aspiring professionals in the diverse field of unmanned aviation operations. The degree provides a solid foundation for several UAS applications areas, including hazardous operations, surveillance and data collection, secure operations, long duration operations, highly-repetitive operations, and autonomous operations.
Additional Info:	Admission into ERAU dual enrollment program. Successful completion of ASC 1000 and ASC 2560

Course Name:	Embry Riddle Aeronautical University: FAA Private Pilot Ground School
Course Number:	ATF 1103
Course Description:	The Unmanned Aircraft Systems (UAS) program provides the necessary education and training for aspiring professionals in the diverse field of unmanned aviation operations. The degree provides a solid foundation for several UAS applications areas, including hazardous operations, surveillance and data collection, secure operations, long duration operations, highly-repetitive operations, and autonomous operations.
Additional Info:	Admission into ERAU dual enrollment program. Successful completion of ASC 2562 and ASC 2563.

Elective Courses

Course Name:	Student Government Association I-IV
Course Number:	0500300, 2400300, 0500310, 2400310
Course Description:	The purpose of the Student Government class is to instruct students in the areas of personal values, responsibility, leadership, teamwork, meeting etiquette & activity planning around the school.
Additional Info:	The Student Government goal is to create a positive environment for the students, faculty & staff throughout each school year with the main focus being keeping everyone involved in school spirited activities & making each school year memorable & fun for everyone here at Matanzas High School.

Course Name:	Leadership, Education, & Training (Air Force JROTC) 1-4
Course Number:	1800300/10/20/30
Course Description:	The purpose of this course is to enable students to develop knowledge of the historical development of flight and the role of the military in history. Students also develop knowledge of the Air Force Junior Reserve Officer Training Corps (AFJROTC), individual self-control, citizenship, wellness, health, and fitness. Students practice basic drill techniques and conduct military ceremonies.
Additional Info:	AFJROTC requirements include wearing uniforms, physical exercise, participation in the ASVAB, and volunteering at on-campus and off-campus after school and weekend events.

Course Name:	Journalism 1-2 (Yearbook)
Course Number:	1006300/10
Course Description:	Students will learn journalistic writing & interview techniques as well as photography & graphic layout techniques & use their skills to create the MHS yearbook.
Additional Info:	Application required. Student participation including ad sales & after school/evening/weekend event coverage mandatory.

Course Name:	Research 1-3 (Teacher Assistant/TA)
Course Number:	1700300/10/20
Course Description:	Students will assist teachers or other school personnel with day-to-day tasks, such as filing, organizing, & other needed tasks.
Additional Info:	Students must be in 11th or 12th grade with a 3.0 GPA & sufficient progress met towards all graduation requirements.

Course Name:	Executive Internship- 12th grade only
Course Number:	0500330
Course Description:	Course credit is earned via a portfolio & teacher check-ins. Students must complete a five-document portfolio to demonstrate college & career readiness.
Additional Info:	Students must be in 12th grade with a satisfactory GPA & sufficient progress met towards all graduation requirements. Course credit is earned via a portfolio & teacher check-ins.

Course Name:	African American History
Course Number:	2100340
Course Description:	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 & cultural events that affected the cultural group. Content will include, but is not limited to, West African heritage, the Middle Passage & Triangular Trade, the African Diaspora, significant turning points & trends in the development of African American culture & institutions, enslavement & emancipation, the Abolition, Black Nationalist, & Civil Rights movements, major historical figures & events in African-American history, & contemporary African-American affairs.
Additional Info:	This course is an elective credit.

Course Name:	Psychology 1/Psychology 2
Course Number:	2107300/2107310
Course Description:	Through the study of psychology, students acquire an understanding of & an appreciation for human behavior, behavior interaction & the progressive development of individuals. The content examined in this first introductory course includes major theories & orientations of psychology, psychological methodology, memory & cognition, human growth & development, personality, abnormal behavior, psychological therapies, stress/coping strategies, & mental health.
Additional Info:	This is an elective. Each course is 0.5 credits & are paired together.

English Language Arts Courses

Course Name:	English 1/English 1 Honors
Course Number:	1001310 /1001320
Course Description:	<p>The purpose of this course is to provide English 1 students, using texts of high complexity, integrated language arts study in reading, writing, speaking, listening, & language for college & career preparation & readiness. The content should include, but not be limited to, the following:</p> <ul style="list-style-type: none"> • active reading of varied texts for what they say explicitly, as well as the logical inferences that can be drawn • analysis of literature & Informational texts from varied literary periods to examine: <i>text craft & structure, elements of literature; arguments & claims supported by textual evidence; power & impact of language; influence of history, culture, & setting on language; personal critical & aesthetic response</i> • writing for varied purposes: <i>developing & supporting argumentative claims; crafting coherent, supported informative/expository texts; responding to literature for personal & analytical purposes; writing narratives to develop real or imagined events; writing to sources using text-based evidence & reasoning</i> • effective listening, speaking, & viewing strategies with emphasis on the use of evidence to support or refute a claim in multimedia presentations, class discussions, & extended text discussions • collaboration amongst peers
Additional Info:	<p>Honors & Advanced Level Course Note: Advanced courses require a greater demand on students through increased academic rigor. Academic rigor is obtained through the application, analysis, evaluation, & creation of complex ideas that are often abstract & multi-faceted. Students are challenged to think & collaborate critically on the content they are learning. Honors level rigor will be achieved by increasing text complexity through text selection, focus on high-level qualitative measures, & complexity of task. Instruction will be structured to give students a deeper understanding of conceptual themes & organization within & across disciplines. Academic rigor is more than simply assigning to students a greater quantity of work.</p>

Course Name:	English 2/English 2 Honors
Course Number:	1001340 /1001350
Course Description:	<p>The purpose of this course is to provide grade 10 students, using texts of high complexity, integrated language arts study in reading, writing, speaking, listening, & language for college & career preparation & readiness. The content should include, but not be limited to, the following:</p> <ul style="list-style-type: none"> • active reading of varied texts for what they say explicitly, as well as the logical inferences that can be drawn • analysis of literature & Informational texts from varied literary periods to examine: <i>text craft & structure, elements of literature; arguments & claims supported by textual evidence; power & impact of language;</i>

	<p><i>influence of history, culture, & setting on language; personal critical & aesthetic response</i></p> <ul style="list-style-type: none"> • writing for varied purposes: <i>developing & supporting argumentative claims; crafting coherent, supported informative/expository texts; responding to literature for personal & analytical purposes; writing narratives to develop real or imagined events; writing to sources using text-based evidence & reasoning</i> • effective listening, speaking, & viewing strategies with emphasis on the use of evidence to support or refute a claim in multimedia presentations, class discussions, & extended text discussions • collaboration amongst peers
Additional Info:	<p>Honors & Advanced Level Course Note: Advanced courses require a greater demand on students through increased academic rigor. Academic rigor is obtained through the application, analysis, evaluation, & creation of complex ideas that are often abstract & multi-faceted. Students are challenged to think & collaborate critically on the content they are learning. Honors level rigor will be achieved by increasing text complexity through text selection, focus on high-level qualitative measures, & complexity of task. Instruction will be structured to give students a deeper understanding of conceptual themes & organization within & across disciplines. Academic rigor is more than simply assigning to students a greater quantity of work.</p>

Course Name:	English 3/English 3 Honors
Course Number:	1001370/1001380
Course Description:	<p>The purpose of this course is to provide grade 11 students, using texts of high complexity, integrated language arts study in reading, writing, speaking, listening, & language for college & career preparation & readiness. The content should include, but not be limited to, the following:</p> <ul style="list-style-type: none"> • active reading of varied texts for what they say explicitly, as well as the logical inferences that can be drawn • analysis of literature & Informational texts from varied literary periods to examine: <i>text craft & structure, elements of literature; arguments & claims supported by textual evidence; power & impact of language; influence of history, culture, & setting on language; personal critical & aesthetic response</i> • writing for varied purposes: <i>developing & supporting argumentative claims; crafting coherent, supported informative/expository texts; responding to literature for personal & analytical purposes; writing narratives to develop real or imagined events; writing to sources using text-based evidence & reasoning</i> • effective listening, speaking, & viewing strategies with emphasis on the use of evidence to support or refute a claim in multimedia presentations, class discussions, & extended text discussions • collaboration amongst peers
Additional Info:	<p>Honors & Advanced Level Course Note: Advanced courses require a greater demand on students through increased academic rigor. Academic rigor is obtained through the application, analysis, evaluation, & creation of complex</p>

	ideas that are often abstract & multi-faceted. Students are challenged to think & collaborate critically on the content they are learning. Honors level rigor will be achieved by increasing text complexity through text selection, focus on high-level qualitative measures, & complexity of task. Instruction will be structured to give students a deeper understanding of conceptual themes & organization within & across disciplines. Academic rigor is more than simply assigning to students a greater quantity of work.
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Course Name:	English 4/English 4 Honors
Course Number:	1001400/1001410
Course Description:	<p>This course defines what students should understand and be able to do by the end of 12th grade. Knowledge acquisition should be the primary purpose of any reading approach as the systematic building of a wide range of knowledge across domains is a prerequisite to higher literacy. At this grade level, students are working with universal themes and archetypes. They are also continuing to build their facility with rhetoric, the craft of using language in writing and speaking, using classic literature, essays, and speeches as mentor texts.</p> <p>The benchmarks in this course are mastery goals that students are expected to attain by the end of the year. To build mastery, students will continue to review and apply earlier grade-level benchmarks and expectations.</p>
Additional Info:	<p>Honors & Advanced Level Course Note: Advanced courses require a greater demand on students through increased academic rigor. Academic rigor is obtained through the application, analysis, evaluation, & creation of complex ideas that are often abstract & multi-faceted. Students are challenged to think & collaborate critically on the content they are learning. Honors level rigor will be achieved by increasing text complexity through text selection, focus on high-level qualitative measures, & complexity of task. Instruction will be structured to give students a deeper understanding of conceptual themes & organization within & across disciplines. Academic rigor is more than simply assigning to students a greater quantity of work.</p>

Course Name:	ESOL English 1-4
Course Number:	1002300/10/20/30
Course Description:	<p>The purpose of this course is to enable students who are native speakers of languages other than English to develop proficient listening, speaking, reading, & writing skills in the English language. Emphasis will be on acquisition of integrated English communication skills in a wide range of content & activities using texts of high complexity to ensure college & career preparation & readiness.</p>
Additional Info:	Placement in these courses will be based on English proficiency.

Course Name:	ESOL Intensive Reading 1-4
Course Number:	1000412
Course Description:	The purpose of this course is to enable students who are native speakers of languages other than English to develop proficient listening, speaking, reading, & writing skills in the English language. The course includes foundational skill standards to be used until a student has mastered the standard. Teachers will use the standards that correspond to student needs based on diagnostic assessments & adjust according to ongoing progress monitoring data.
Additional Info:	Placement in these courses will be based on English proficiency.

Exceptional Student Education Courses

Course Name:	Learning Strategies
Course Number:	7963080
Course Description:	<p>The purpose of this course is to enable students with disabilities to acquire & generalize strategies & skills across academic, community, & employment settings to achieve annual goals based on assessed needs & the student's individual educational plan (IEP).</p> <p>This course is designed for students with disabilities who need intensive individualized intervention in learning strategies. The course may address academic skill deficits enabling students to learn strategies to access the general curriculum & close educational gaps.</p> <p>A student may earn multiple credits in this course. The particular course requirements that the student should master to earn each credit must be specified on an individual basis & relate to achievement of annual goals on the student's IEP. Instruction in subsequent courses should be designed to build upon students' previously mastered skills, not repeat previous course content.</p>
Additional Info:	To be enrolled, need for this course must be indicated on a student's IEP.

Mathematics Courses

Course Name:	Algebra 1A/1B
Course Number:	1200370/80
Course Description:	<p>In Algebra 1, instructional time will emphasize five areas:</p> <ul style="list-style-type: none"> (1) performing operations with polynomials & radicals, & extending the Laws of Exponents to include rational exponents; (2) extending understanding of functions to linear, quadratic & exponential functions & using them to model & analyze real-world relationships; (3) solving quadratic equations in one variable & systems of linear equations & inequalities in two variables; (4) building functions, identifying their key features & representing

	them in various ways & (5) representing & interpreting categorical & numerical data with one & two variables.
Additional Info:	Passing the Algebra 1 EOC at the end of this course is currently a graduation requirement. Additionally, the EOC counts as 30% of the total course grade. This class is double blocked (2 class periods in one year) and designed to assist students who need additional time and support in learning Algebra.

Course Name:	Algebra 1
Course Number:	1200310
Course Description:	In Algebra 1, instructional time will emphasize five areas: (1) performing operations with polynomials & radicals, & extending the Laws of Exponents to include rational exponents; (2) extending understanding of functions to linear, quadratic & exponential functions & using them to model & analyze real-world relationships; (3) solving quadratic equations in one variable & systems of linear equations & inequalities in two variables; (4) building functions, identifying their key features & representing them in various ways & (5) representing & interpreting categorical & numerical data with one & two variables.
Additional Info:	Passing the Algebra 1 EOC at the end of this course is currently a graduation requirement. Additionally, the EOC counts as 30% of the total course grade.

Course Name:	Geometry /Geometry Honors
Course Number:	1206310 /1206310
Course Description:	In Geometry, instructional time will emphasize five areas: (1) proving & applying relationships & theorems involving two-dimensional figures using Euclidean geometry & coordinate geometry; (2) establishing congruence & similarity using criteria from Euclidean geometry & using rigid transformations; (3) extending knowledge of geometric measurement to two-dimensional figures & three-dimensional figures; (4) creating & applying equations of circles in the coordinate plane & (5) developing an understanding of right triangle trigonometry.
Additional Info:	EOC exam counts for 30% of overall course grade. Honors & Advanced Level Course Note: Advanced courses require a greater demand on students through increased academic rigor. Academic rigor is obtained through the application, analysis, evaluation, & creation of complex ideas that are often abstract & multi-faceted. Students are challenged to think & collaborate critically on the content they are learning. Honors level

	rigor will be achieved by increasing text complexity through text selection, focus on high-level qualitative measures, & complexity of task. Instruction will be structured to give students a deeper understanding of conceptual themes & organization within & across disciplines. Academic rigor is more than simply assigning to students a greater quantity of work.
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Course Name:	Algebra 2/Algebra 2 Honors
Course Number:	1200330 /1200340
Course Description:	In Algebra 2, instructional time will emphasize five areas: (1) extending arithmetic operations with algebraic expressions to include radical & rational expressions & polynomial division; (2) graphing & analyzing functions including polynomials, absolute value, radical, rational, exponential & logarithmic; (3) building functions using compositions, inverses & transformations; (4) extending systems of equations & inequalities to include non-linear expressions & (5) developing understanding of the complex number system, including complex numbers as roots of polynomial equations.
Additional Info:	Honors & Advanced Level Course Note: Advanced courses require a greater demand on students through increased academic rigor. Academic rigor is obtained through the application, analysis, evaluation, & creation of complex ideas that are often abstract & multi-faceted. Students are challenged to think & collaborate critically on the content they are learning. Honors level rigor will be achieved by increasing text complexity through text selection, focus on high-level qualitative measures, & complexity of task. Instruction will be structured to give students a deeper understanding of conceptual themes & organization within & across disciplines. Academic rigor is more than simply assigning to students a greater quantity of work.

Course Name:	Math for College Algebra
Course Number:	1200710
Course Description:	In Mathematics for College Algebra, instructional time will emphasize five areas: (1) developing fluency with the Laws of Exponents with numerical & algebraic expressions; (2) extending arithmetic operations with algebraic expressions to include rational & polynomial expressions; (3) solving one-variable exponential, logarithmic, radical & rational equations & interpreting the viability of solutions in real-world contexts; (4) modeling with & applying linear, quadratic, absolute value, exponential, logarithmic & piecewise functions & systems of linear

	equations & inequalities; (5) extending knowledge of functions to include inverse & composition.
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Course Name:	Math for College Liberal Arts
Course Number:	1207350
Course Description:	In Mathematics for College Liberal Arts, instructional time will emphasize five areas: (1) analyzing and applying linear and exponential functions within a real-world context; (2) utilizing geometric concepts to solve real-world problems; (3) extending understanding of probability theory; (4) representing and interpreting univariate and bivariate data and (5) developing understanding of logic and set theory.

Course Name:	Probability and Statistics
Course Number:	1210330
Course Description:	In Probability and Statistics Honors, instructional time will emphasize four areas: (1) creating and interpreting data displays for univariate and bivariate categorical and numerical data; (2) comparing and making observations about populations using statistical data, including confidence intervals and hypothesis testing; (3) extending understanding of probability and probability distributions and (4) developing an understanding of methods for collecting statistical data, including randomized trials.

Course Name:	Computer Science Discoveries
Course Number:	0200305
Course Description:	Computer Science Discoveries introduces students to computer science as a vehicle for problem solving, communication, and personal expression. The course focuses on the visible aspects of computing and computer science and encourages students to see where computer science exists around them and how they can engage with it as a tool for exploration and expression. Centering on the immediately observable and personally applicable elements of computer science, the course asks students to look outward and explore the impact of computer science on society. Students should see how a thorough student-centered design process produces a better application, how data is used to address problems that affect large numbers of people, and how physical computing with circuit boards allows computers to collect, input and return output in a variety of ways.
Additional Info:	This course can count as a math credit.

Physical Education Courses

Course Name:	HOPE PE
Course Number:	1506320
Course Description:	Provides students with the knowledge, skills, & values they need to become healthy & physically active for a lifetime.
Additional Info:	Students will need to purchase a PE uniform.

Course Name:	Team Sports 1 & 2
Course Number:	1503350/1503360
Course Description:	The purpose of this course is to develop the physical skills necessary to be competent in many forms of movement, knowledge of team sports concepts such as offensive & defensive strategies & tactics, & appropriate social behaviors within a team or group setting. The integration of fitness concepts throughout the content is critical to the success of this course.
Additional Info:	Each course is a 0.5 credit & are paired together to make a full year course. Students will need to purchase a PE uniform.

Course Name:	Weight Training 1/Individual Dual Sports 1
Course Number:	1501340/1502410
Course Description:	The purpose of this course is to develop the physical skills necessary to be competent in many forms of movement as it relates to weight training. The integration of fitness concepts throughout the content is critical to the success of this course.
Additional Info:	Each course is a 0.5 credit & are paired together to make a full year course. Students will need to purchase a PE uniform.

Course Name:	Weight Training 2/Individual Dual Sports 2
Course Number:	1501350/1502420
Course Description:	The purpose of this course is to develop the physical skills necessary to be competent in many forms of movement as it relates to weight training. The integration of fitness concepts throughout the content is critical to the success of this course.
Additional Info:	Each course is a 0.5 credit & are paired together to make a full year course. Students will need to purchase a PE uniform.

Course Name:	Weight Training 2/Individual Dual Sports 2
Course Number:	1501360/1502430
Course Description:	The purpose of this course is to develop the physical skills necessary to be competent in many forms of movement as it relates to weight training. The integration of fitness concepts throughout the content is critical to the success of this course.
Additional Info:	Each course is a 0.5 credit & are paired together to make a full year course. Students will need to purchase a PE uniform.

Course Name:	Power Weight Training I/Comprehensive Fitness
Course Number:	1501410/1501390
Course Description:	The purpose of this course is to develop the physical skills necessary to be competent in many forms of movement as it relates to weight training. The integration of fitness concepts throughout the content is critical to the success of this course.
Additional Info:	Each course is a 0.5 credit & are paired together to make a full year course. Students will need to purchase a PE uniform.

Science Courses

Course Name:	Anatomy & Physiology - Honors
Course Number:	2000360
Course Description:	<p>Study of the human body & how it works utilizing interactive labs & activities.</p> <p>Honors & Advanced Level Course Note: Advanced courses require a greater demand on students through increased academic rigor. Academic rigor is obtained through the application, analysis, evaluation, & creation of complex ideas that are often abstract & multi-faceted. Students are challenged to think & collaborate critically on the content they are learning. Honors level rigor will be achieved by increasing text complexity through text selection, focus on high-level qualitative measures, & complexity of task. Instruction will be structured to give students a deeper understanding of conceptual themes & organization within & across disciplines. Academic rigor is more than simply assigning to students a greater quantity of work.</p>
Additional Info:	Prerequisite: Biology

Course Name:	Biology/Biology Honors
Course Number:	2000310/2000320
Course Description:	Biology is a course which helps learners to better understand the biological world in which they live & take an informed interest in science. This course aims to review several of the major concepts that are essential to the study of life, including cells as the basic unit of life, DNA as the molecule of heredity, & review of ecological principles & relationships.
Additional Info:	<p>EOC exam counts for 30% of overall course grade.</p> <p>Honors & Advanced Level Course Note: Advanced courses require a greater demand on students through increased academic rigor. Academic rigor is obtained through the application, analysis, evaluation, & creation of complex ideas that are often abstract & multi-faceted. Students are challenged to think & collaborate critically on the content they are learning. Honors level rigor will be achieved by increasing text complexity through text selection, focus on high-level qualitative measures, & complexity of task. Instruction will be structured to give students a deeper understanding of conceptual themes & organization within & across disciplines. Academic rigor is more than simply assigning to students a greater quantity of work.</p>

Course Name:	Chemistry/Chemistry Honors
Course Number:	2003340 /2003350
Course Description:	This course will provide students with the study of the composition, properties, & changes associated with matter. Topics such as atomic theory, periodic table, bonding, chemical formulas, behavior of gasses, & chemical reactions are included.
Additional Info:	<p>Honors & Advanced Level Course Note: Advanced courses require a greater demand on students through increased academic rigor. Academic rigor is obtained through the application, analysis, evaluation, & creation of complex ideas that are often abstract & multi-faceted. Students are challenged to think & collaborate critically on the content they are learning. Honors level rigor will be achieved by increasing text complexity through text selection, focus on high-level qualitative measures, & complexity of task. Instruction will be structured to give students a deeper understanding of conceptual themes & organization within & across disciplines. Academic rigor is more than simply assigning to students a greater quantity of work.</p>

Course Name:	Environmental Science
Course Number:	2001340
Course Description:	Study of the dynamic interactions of Matter and Energy on the planet Earth. Environmental Science students will make scientifically sound decisions about local, national, and global issues. These decisions will be based on the scientific process: observe; interpret; identify and control variables; gather; examine, and use evidence to support claims; recognize bias; consider tradeoffs; propose alternative explanations.
Additional Info:	This is the perfect science course for a student not yet ready for Biology.

Course Name:	Marine Science
Course Number:	2002500
Course Description:	During this interdisciplinary science course, students can expect to learn about 1) water & how the oceans got water as well as how this water became salty, 2) How water, carbon, & nitrogen cycles in the oceans, 3) How water can regulate climate, 4) How waves, tides, & currents influence marine life, 5) How plate boundaries shaped the ocean into what it looks like today, 6) About life in the ocean, including trophic relationships & energy flow, symbiosis, biodiversity, invasive species, 7) Resources we depend on from our oceans, & lastly 8) How humans have impacted the oceans.

Course Name:	Integrated Science 1 (Robotics)
Course Number:	2002400
Course Description:	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.
Additional Info:	Students in this course compete with the FPC Robotics team.

Course Name:	Experimental Science 2 Honors (Robotics)
Course Number:	2002350
Course Description:	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 and should not duplicate additional content addressed in Experimental Science 1. 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

	<p>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>
Additional Info:	<p>Students in this course compete with the FPC Robotics team. This course counts as an elective, not a Science credit. Prerequisite: Integrated Science 1</p>

Course Name:	Experimental Science 3 Honors (Robotics)
Course Number:	2002360
Course Description:	<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 and should not duplicate additional content addressed in Experimental Science 1. 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>
Additional Info:	<p>Students in this course compete with the FPC Robotics team. This course counts as an elective, not a Science credit. Prerequisite: Experimental Science 2</p>

Social Studies Courses

Course Name:	Economics/Economics Honors
Course Number:	2102335/2102345
Course Description:	The class is designed to provide students with an overview of business, finance, banking, investment, government's role in the economic system, labor-management relations, foreign trade, income inequality, & related fields.
Additional Info:	<p>Typically taken in 12th grade year & paired as Government/Economics. This course is 0.5 credits.</p> <p>Honors & Advanced Level Course Note: Advanced courses require a greater demand on students through increased academic rigor. Academic rigor is obtained through the application, analysis, evaluation, & creation of complex ideas that are often abstract & multi-faceted. Students are challenged to think & collaborate critically on the content they are learning. Honors level rigor will be achieved by increasing text complexity through text selection, focus on high-level qualitative measures, & complexity of task. Instruction will be structured to give students a deeper understanding of conceptual themes & organization within & across disciplines. Academic rigor is more than simply assigning to students a greater quantity of work.</p>

Course Name:	American Government/ American Government Honors
Course Number:	2106310/2106310
Course Description:	The Government course is a thought-provoking exploration of American Government & Politics. We will cover such topics as the Constitution, civil rights, interest groups, politics, voting, Congress, the Presidency, the Judiciary, laws, public policies, state & local government, & current events.
Additional Info:	<p>Typically taken in the 12th grade year & paired as Government/Economics. This course is 0.5 credits.</p> <p>Honors & Advanced Level Course Note: Advanced courses require a greater demand on students through increased academic rigor. Academic rigor is obtained through the application, analysis, evaluation, & creation of complex ideas that are often abstract & multi-faceted. Students are challenged to think & collaborate critically on the content they are learning. Honors level rigor will be achieved by increasing text complexity through text selection, focus on high-level qualitative measures, & complexity of task. Instruction will be structured to give students a deeper understanding of conceptual themes & organization within & across disciplines. Academic rigor is more than simply assigning to students a greater quantity of work.</p>

Course Name:	US History/US History Honors
Course Number:	2100310
Course Description:	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 & sociological events which influenced the development of the United States & the resulting impact on world history. So that students can clearly see the relationship between cause & effect in historical events, students should have the opportunity to review those fundamental ideas & events which occurred before the end of Reconstruction.
Additional Info:	Typically taken in 11th grade. EOC exam counts for 30% of overall course grade. Honors & Advanced Level Course Note: Advanced courses require a greater demand on students through increased academic rigor. Academic rigor is obtained through the application, analysis, evaluation, & creation of complex ideas that are often abstract & multi-faceted. Students are challenged to think & collaborate critically on the content they are learning. Honors level rigor will be achieved by increasing text complexity through text selection, focus on high-level qualitative measures, & complexity of task. Instruction will be structured to give students a deeper understanding of conceptual themes & organization within & across disciplines. Academic rigor is more than simply assigning to students a greater quantity of work.

Course Name:	World History/World History Honors
Course Number:	2109310/2109320
Course Description:	The grade 9-12 World History course consists of the following content area strands: World History, Geography & Humanities. This course is a continued in-depth study of the history of civilizations & societies from the middle school course, & includes the history of civilizations & societies of North & 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 & effect in historical events, students should have the opportunity to review those fundamental ideas & events from ancient & classical civilizations.
Additional Info:	Typically taken in the 10th grade year. Honors & Advanced Level Course Note: Advanced courses require a greater demand on students through increased academic rigor. Academic rigor is obtained through the application, analysis, evaluation, & creation of complex ideas that are often abstract & multi-faceted. Students are challenged to think & collaborate critically on the content they are learning. Honors level rigor will be achieved by increasing text complexity through text selection, focus on high-level qualitative measures, & complexity of task. Instruction will be structured to give students a deeper understanding of conceptual themes & organization within & across disciplines. Academic rigor is more than simply assigning to students a greater quantity of work.

Course Name:	Personal Financial Literacy
Course Number:	2102372
Course Description:	<p>This grade 9–12 course consists of the following content area and literacy strands: Economics, Financial Literacy, Mathematics, Languages Arts for Literacy in History/Social Studies and Speaking and Listening. Basic economic concepts of scarcity, choice, opportunity cost, and cost/benefit analysis are interwoven throughout the standards and objectives. Emphasis will be placed on economic decision-making and real-life applications using real data.</p> <p>The primary content for the course pertains to the study of learning the ideas, concepts, knowledge and skills that will enable students to implement beneficial personal decision-making choices; to become wise, successful, and knowledgeable consumers, savers, investors, users of credit and money managers; and to be participating members of a global workforce and society.</p>
Additional Info:	This is a 0.5 credit course.

World Language Courses

Course Name:	Spanish 1
Course Number:	0708340
Course Description:	Spanish 1 introduces students to the target language & its culture. The student will develop communicative skills in all 3 modes of communication & cross-cultural understanding. Emphasis is placed on proficient communication in the language. An introduction to reading & writing is also included as well as culture, connections, comparisons, & communities.
Additional Info:	Students do not need a foreign language to graduate high school; 2 years of a foreign language is needed for the Florida State University System.

Course Name:	Spanish 2
Course Number:	0708350
Course Description:	Spanish 2 reinforces the fundamental skills acquired by the students in Spanish 1. The course develops increased listening, speaking, reading, & writing skills as well as cultural awareness. Specific content to be covered is a continuation of listening & oral skills acquired in Spanish 1. Reading & writing receive more emphasis, while oral communication remains the primary objective. The cultural survey of the target language-speaking people is continued.
Additional Info:	<p>Prerequisite: Spanish 1</p> <p>Students do not need a foreign language to graduate high school; 2 years of a foreign language is needed for the Florida State University System.</p>

Course Name:	Spanish 3 Honors
Course Number:	0708360
Course Description:	Spanish 3 provides mastery & expansion of skills acquired by the students in Spanish 2. Specific content includes, but is not limited to, expansions of vocabulary & conversational skills through discussions of selected readings. Contemporary vocabulary stresses activities which are important to the everyday life of the target language-speaking people.
Additional Info:	Prerequisite: Spanish 2 Students do not need a foreign language to graduate high school; 2 years of a foreign language is needed for the Florida State University System.

International Baccalaureate Program (IB)

Course Name:	IB Spanish SL/HL1
Course Number:	0708840
Course Description:	Students develop the ability to communicate in the target language through the study of language, themes and texts. In doing so, they also develop conceptual understandings of how language works. Communication is evidenced through receptive, productive and interactive skills across a range of contexts and purposes that are appropriate to the level of the course. The language B syllabus is organized into five prescribed themes: identities, experiences, human ingenuity, social organization and sharing the planet.
Additional Info:	Prerequisite: Spanish 1, 2, and 3 Note: Students must participate in all portions of the IB exam for this course. College credit may be earned based on the IB exam score.

Course Name:	IB Spanish HL2
Course Number:	0708865
Course Description:	Students develop the ability to communicate in the target language through the study of language, themes and texts. In doing so, they also develop conceptual understandings of how language works. Communication is evidenced through receptive, productive and interactive skills across a range of contexts and purposes that are appropriate to the level of the course. The language B syllabus is organized into five prescribed themes: identities, experiences, human ingenuity, social organization and sharing the planet.
Additional Info:	Prerequisite: International Baccalaureate (IB) Spanish SL/HL1 Note: Students must participate in all portions of the IB exam for this course. College credit may be earned based on the IB exam score.

Course Name:	IB Visual Arts SL/HL1
Course Number:	0114815/25
Course Description:	The IB DP visual arts course encourages students to challenge their own creative and cultural expectations and boundaries. It is a thought-provoking course in which students develop analytical skills in problem-solving and divergent thinking, while working towards technical proficiency and confidence as art-makers. In addition to exploring and comparing visual arts from different perspectives and in different contexts, students are expected to engage in, experiment with and critically reflect upon a wide range of contemporary practices and media. The course is designed for students who want to go on to study visual arts in higher education as well as for those who are seeking lifelong enrichment through visual arts.
Additional Info:	Note: Students must participate in all portions of the IB exam for this course. College credit may be earned based on the IB exam score.

Course Name:	IB Visual Arts HL2
Course Number:	0114835
Course Description:	The IB DP visual arts course encourages students to challenge their own creative and cultural expectations and boundaries. It is a thought-provoking course in which students develop analytical skills in problem-solving and divergent thinking, while working towards technical proficiency and confidence as art-makers. In addition to exploring and comparing visual arts from different perspectives and in different contexts, students are expected to engage in, experiment with and critically reflect upon a wide range of contemporary practices and media. The course is designed for students who want to go on to study visual arts in higher education as well as for those who are seeking lifelong enrichment through visual arts.
Additional Info:	Note: Students must participate in all portions of the IB exam for this course. College credit may be earned based on the IB exam score.

Course Name:	IB Music SL/HL1
Course Number:	1300816/18
Course Description:	<p>Through the DP Music course, students will develop to become well-rounded modern musicians through a combination of practical work, theoretic and technical training and the development of creative competencies.</p> <ul style="list-style-type: none"> • This holistic course achieves this by scaffolding and integrated approaches to: • deep listening skills • performance proficiency • compositional craft • the ability to discuss music critically • the ability to justify creative choices, and • the capacity for entrepreneurship in the musical world

Additional Info:	Note: Students must participate in all portions of the IB exam for this course. College credit may be earned based on the IB exam score.
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Course Name:	IB Music HL2
Course Number:	1300820
Course Description:	<p>Through the DP Music course, students will develop to become well-rounded modern musicians through a combination of practical work, theoretic and technical training and the development of creative competencies.</p> <ul style="list-style-type: none"> • This holistic course achieves this by scaffolding and integrated approaches to: • deep listening skills • performance proficiency • compositional craft • the ability to discuss music critically • the ability to justify creative choices, and • the capacity for entrepreneurship in the musical world
Additional Info:	Note: Students must participate in all portions of the IB exam for this course. College credit may be earned based on the IB exam score.

Course Name:	IB History HL2
Course Number:	2109805
Course Description:	<p>The Diploma Programme (DP) history course is a world history course based on a comparative, multi-perspective approach to history and focused around key historical concepts such as change, causation and significance. It involves the study of a variety of types of history, including political, economic, social and cultural, encouraging students to think historically and to develop historical skills. In this way, the course involves a challenging and demanding critical exploration of the past.</p> <p>The DP history course requires students to study and compare examples from different regions of the world, helping to foster international mindedness. Teachers have a great deal of freedom to choose relevant examples to explore with their students, helping to ensure that the course meets their students' needs and interests regardless of their location or context.</p>
Additional Info:	Note: Students must participate in all portions of the IB exam for this course. College credit may be earned based on the IB exam score.

Course Name:	IB Psychology HL1
Course Number:	2107800
Course Description:	The IB DP psychology course is the systematic study of behaviour and mental processes. Since the psychology course examines the interaction of biological, cognitive and sociocultural influences on human behaviour, it is well placed in group 3, individuals and societies. Students undertaking the course can expect to develop an understanding of how psychological knowledge is generated, developed and applied. This will allow them to have a greater understanding of themselves and appreciate the diversity of human behaviour.
Additional Info:	Note: Students must participate in all portions of the IB exam for this course. College credit may be earned based on the IB exam score.

Course Name:	IB Psychology HL2
Course Number:	2107820
Course Description:	The IB Diploma Programme psychology course is the systematic study of behaviour and mental processes. Since the psychology course examines the interaction of biological, cognitive and sociocultural influences on human behaviour, it is well placed in group 3, individuals and societies. Students undertaking the course can expect to develop an understanding of how psychological knowledge is generated, developed and applied. This will allow them to have a greater understanding of themselves and appreciate the diversity of human behaviour.
Additional Info:	Note: Students must participate in all portions of the IB exam for this course. College credit may be earned based on the IB exam score.

Course Name:	IB Literature HL1
Course Number:	1001820
Course Description:	The language A: literature course introduces students to the analysis of literary texts. The course is organized into three areas of exploration and seven central concepts, and focuses on the study of literary works. Together, the three areas of exploration of the course add up to a comprehensive exploration of literature from a variety of cultures, literary forms and periods. Students learn to appreciate the artistry of literature, and develop the ability to reflect critically on their reading, presenting literary analysis powerfully through both oral and written communication.
Additional Info:	Note: Students must participate in all portions of the IB exam for this course. College credit may be earned based on the IB exam score.

Course Name:	IB Literature HL2
Course Number:	1001830
Course Description:	The language A: literature course introduces students to the analysis of literary texts. The course is organized into three areas of exploration and seven central concepts, and focuses on the study of literary works. Together, the three areas of exploration of the course add up to a comprehensive exploration of literature from a variety of cultures, literary forms and periods. Students learn to appreciate the artistry of literature, and develop the ability to reflect critically on their reading, presenting literary analysis powerfully through both oral and written communication.
Additional Info:	Prerequisite: IB Literature HL1 Note: Students must participate in all portions of the IB exam for this course. College credit may be earned based on the IB exam score.

Course Name:	IB Biology SL/HL1
Course Number:	2000810/05
Course Description:	<p>Biologists investigate the living world at all levels using many different approaches and techniques.</p> <p>At one end of the scale is the cell, its molecular construction and complex metabolic reactions. At the other end of the scale biologists investigate the interactions that make whole ecosystems function. Many discoveries remain to be made and great progress is expected in the 21st century.</p> <p>Through studying a science subject students should become aware of how scientists work and communicate with each other. While the scientific method may take on a wide variety of forms, the emphasis on a practical approach. In addition, through the overarching theme of the “Nature of Science” this knowledge and skills will be put into the context of way science and scientists work in the 21st Century and the ethical debates and limitations of creative scientific endeavour.</p> <p>The sciences are taught practically. Students have opportunities to design investigations, collect data, develop manipulative skills, analyse results, collaborate with peers and evaluate and communicate their findings. The investigations may be laboratory based or they may make use of simulations and data bases. Students develop the skills to work independently on their own design, but also collegiately, including collaboration with schools in different regions, to mirror the way in which scientific research is conducted in the wider community.</p>
Additional Info:	Note: Students must participate in all portions of the IB exam for this course. College credit may be earned based on the IB exam score.

Course Name:	IB Biology HL2
Course Number:	2000820
Course Description:	<p>Biologists investigate the living world at all levels using many different approaches and techniques.</p> <p>At one end of the scale is the cell, its molecular construction and complex metabolic reactions. At the other end of the scale biologists investigate the interactions that make whole ecosystems function. Many discoveries remain to be made and great progress is expected in the 21st century.</p> <p>The sciences are taught practically. Students have opportunities to design investigations, collect data, develop manipulative skills, analyse results, collaborate with peers and evaluate and communicate their findings. The investigations may be laboratory based or they may make use of simulations and data bases. Students develop the skills to work independently on their own design, but also collegiately, including collaboration with schools in different regions, to mirror the way in which scientific research is conducted in the wider community.</p>
Additional Info:	Note: Students must participate in all portions of the IB exam for this course. College credit may be earned based on the IB exam score.

Course Name:	IB Chemistry SL/HL1
Course Number:	2003810/05
Course Description:	<p>Chemistry is an experimental science that combines academic study with the acquisition of practical and investigational skills.</p> <p>It is often called the central science as chemical principles underpin both the physical environment in which we live and all biological systems. Apart from being a subject worthy of study in its own right, chemistry is often a prerequisite for many other courses in higher education, such as medicine, biological science and environmental science.</p> <p>The sciences are taught practically. Students have opportunities to design investigations, collect data, develop manipulative skills, analyse results, collaborate with peers and evaluate and communicate their findings. The investigations may be laboratory based or they may make use of simulations and data bases. Students develop the skills to work independently on their own design, but also collegiately, including collaboration with schools in different regions, to mirror the way in which scientific research is conducted in the wider community.</p>
Additional Info:	Note: Students must participate in all portions of the IB exam for this course. College credit may be earned based on the IB exam score.

Course Name:	IB Chemistry HL2
Course Number:	2003820
Course Description:	<p>Chemistry is an experimental science that combines academic study with the acquisition of practical and investigational skills.</p> <p>It is often called the central science as chemical principles underpin both the physical environment in which we live and all biological systems. Apart from being a subject worthy of study in its own right, chemistry is often a prerequisite for many other courses in higher education, such as medicine, biological science and environmental science.</p> <p>Through studying a science subject students should become aware of how scientists work and communicate with each other. While the scientific method may take on a wide variety of forms, the emphasis on a practical approach. In addition, through the overarching theme of the “Nature of Science” this knowledge and skills will be put into the context of way science and scientists work in the 21st century and the ethical debates and limitations of creative scientific endeavour.</p> <p>The sciences are taught practically. Students have opportunities to design investigations, collect data, develop manipulative skills, analyse results, collaborate with peers and evaluate and communicate their findings. The investigations may be laboratory based or they may make use of simulations and data bases. Students develop the skills to work independently on their own design, but also collegiately, including collaboration with schools in different regions, to mirror the way in which scientific research is conducted in the wider community.</p>
Additional Info:	Note: Students must participate in all portions of the IB exam for this course. College credit may be earned based on the IB exam score.

Course Name:	IB Sports and Exercise Science SL
Course Number:	2001830
Course Description:	<p>This course incorporates the disciplines of anatomy and physiology, biomechanics, psychology and nutrition, which are studied in the context of sport, exercise and health. A combination of syllabus content and experimental work provides the opportunity for students to acquire the knowledge and understanding necessary to apply scientific principles and analyse human performance. The course has strong international dimensions such as international sporting competition and the international bodies that regulate them. Ethical issues that exist within sporting competitions are considered.</p>
Additional Info:	Note: Students must participate in all portions of the IB exam for this course. College credit may be earned based on the IB exam score.

Course Name:	IB Computer Science SL/HL1
Course Number:	0200810/00
Course Description:	Computational thinking lies at the heart of the course and is integrated with other topics. This will be supported by practical activities including programming. Candidates will learn programming skills as a critical element of developing higher-level skills applicable to virtually all fields of study. Algorithmic thinking will be both externally and internally assessed at the level of pseudo-code. Practical programming experience will be an essential element of developing higher-level thinking skills; this may be assessed as a part of the internal assessment. All computer science students will work with other students of group 4 subjects (physics, chemistry, biology, design technology, environmental systems and societies and sports, exercise and health science).
Additional Info:	Note: Students must participate in all portions of the IB exam for this course. College credit may be earned based on the IB exam score.

Course Name:	IB Physics HL1
Course Number:	2003840
Course Description:	<p>Physics is the most fundamental of the experimental sciences, as it seeks to explain the universe itself from the very smallest particles to the vast distances between galaxies.</p> <p>Despite the exciting and extraordinary development of ideas throughout the history of physics, observations remain essential to the very core of the subject. Models are developed to try to understand observations, and these themselves can become theories that attempt to explain the observations.</p> <p>Through studying a science subject students should become aware of how scientists work and communicate with each other. While the scientific method may take on a wide variety of forms, the emphasis is on a practical approach. In addition, through the overarching theme of the “Nature of Science” this knowledge and skills will be put into the context of the way science and scientists work in the 21st century and the ethical debates and limitations of creative scientific endeavor.</p> <p>The sciences are taught practically. Students have opportunities to design investigations, collect data, develop manipulative skills, analyse results, collaborate with peers and evaluate and communicate their findings. The investigations may be laboratory based or they may make use of simulations and databases. Students develop the skills to work independently on their own design, but also collegiately, including collaboration with schools in different regions, to mirror the way in which scientific research is conducted in the wider community.</p>
Additional Info:	Note: Students must participate in all portions of the IB exam for this course. College credit may be earned based on the IB exam score.

Course Name:	IB Physics HL2
Course Number:	2003850
Course Description:	<p>Physics is the most fundamental of the experimental sciences, as it seeks to explain the universe itself from the very smallest particles to the vast distances between galaxies.</p> <p>Despite the exciting and extraordinary development of ideas throughout the history of physics, observations remain essential to the very core of the subject. Models are developed to try to understand observations, and these themselves can become theories that attempt to explain the observations.</p> <p>Through studying a science subject students should become aware of how scientists work and communicate with each other. While the scientific method may take on a wide variety of forms, the emphasis is on a practical approach. In addition, through the overarching theme of the “Nature of Science” this knowledge and skills will be put into the context of the way science and scientists work in the 21st century and the ethical debates and limitations of creative scientific endeavor.</p> <p>The sciences are taught practically. Students have opportunities to design investigations, collect data, develop manipulative skills, analyse results, collaborate with peers and evaluate and communicate their findings. The investigations may be laboratory based or they may make use of simulations and databases. Students develop the skills to work independently on their own design, but also collegiately, including collaboration with schools in different regions, to mirror the way in which scientific research is conducted in the wider community.</p>
Additional Info:	Note: Students must participate in all portions of the IB exam for this course. College credit may be earned based on the IB exam score.

Course Name:	IB Math Applications SL
Course Number:	1209305
Course Description:	<p>All DP mathematics courses serve to accommodate the range of needs, interests and abilities of students, and to fulfill the requirements of various university and career aspirations.</p> <p>The aims of these courses are to enable students to:</p> <ul style="list-style-type: none"> • develop mathematical knowledge, concepts and principles • develop logical, critical and creative thinking • employ and refine their powers of abstraction and generalization. • Students are also encouraged to appreciate the international dimensions of mathematics and the multiplicity of its cultural and historical perspectives.
Additional Info:	<p>Prerequisite: AP Statistics</p> <p>Note: Students must participate in all portions of the IB exam for this course. College credit may be earned based on the IB exam score.</p>

Course Name:	IB Math Analysis HL1
Course Number:	1202310
Course Description:	<p>All DP mathematics courses serve to accommodate the range of needs, interests and abilities of students, and to fulfill the requirements of various university and career aspirations.</p> <p>The aims of these courses are to enable students to:</p> <ul style="list-style-type: none"> • develop mathematical knowledge, concepts and principles • develop logical, critical and creative thinking • employ and refine their powers of abstraction and generalization. • Students are also encouraged to appreciate the international dimensions of mathematics and the multiplicity of its cultural and historical perspectives.
Additional Info:	<p>Paired with AP Calculus AB</p> <p>Note: Students must participate in all portions of the IB exam for this course. College credit may be earned based on the IB exam score.</p>

Course Name:	IB Math Analysis HL2
Course Number:	1201335
Course Description:	<p>All DP mathematics courses serve to accommodate the range of needs, interests and abilities of students, and to fulfill the requirements of various university and career aspirations.</p> <p>The aims of these courses are to enable students to:</p> <ul style="list-style-type: none"> • develop mathematical knowledge, concepts and principles • develop logical, critical and creative thinking • employ and refine their powers of abstraction and generalization. • Students are also encouraged to appreciate the international dimensions of mathematics and the multiplicity of its cultural and historical perspectives.
Additional Info:	<p>Paired with AP Calculus BC. Approval from teacher required.</p> <p>Note: Students must participate in all portions of the IB exam for this course. College credit may be earned based on the IB exam score.</p>

Course Name:	IB Theory of Knowledge
Course Number:	0900800
Course Description:	<p>Theory of knowledge (TOK) is assessed through an exhibition and a 1,600 word essay.</p> <p>It asks students to reflect on the nature of knowledge, and on how we know what we claim to know.</p> <p>TOK is part of the International Baccalaureate® (IB) Diploma Programme (DP) core, and is mandatory for all students.</p>
Additional Info:	Note: Students must participate in all portions of the IB exam for this course. College credit may be earned based on the IB exam score.

Course Name:	Pre-IB Inquiry Skills
Course Number:	1700360
Course Description:	<p>This course is an introductory approach to the skills needed for IB courses. This course focuses on reading, writing, presenting, and thinking critically.</p>

Advanced Placement (AP) Courses

Course Name:	AP Music Theory
Course Number:	1300330
Course Description:	<p>AP Music Theory is an introductory college-level music theory course. Students cultivate their understanding of music theory through analyzing performed and notated music as they explore concepts like pitch, rhythm, form, and musical design.</p>
Additional Info:	Students must take the AP exam at the end of the school year. Scoring a level 3, 4, or 5 may earn students college credits.

Course Name:	AP Human Geography
Course Number:	2103400
Course Description:	<p>AP Human Geography is an introductory college-level human geography course. Students cultivate their understanding of human geography through data and geographic analyses as they explore topics like patterns and spatial organization, human impacts and interactions with their environment, and spatial processes and societal changes.</p>
Additional Info:	Students must take the AP exam at the end of the school year. Scoring a level 3, 4, or 5 may earn students college credits.

Course Name:	AP World History
Course Number:	2109420
Course Description:	AP World History: Modern is an introductory college-level modern world history course. Students cultivate their understanding of world history from c. 1200 CE to the present through analyzing historical sources and learning to make connections and craft historical arguments as they explore concepts like humans and the environment, cultural developments and interactions, governance, economic systems, social interactions and organization, and technology and innovation.
Additional Info:	Students must take the AP exam at the end of the school year. Scoring a level 3, 4, or 5 may earn students college credits.

Course Name:	AP Computer Science Principles
Course Number:	0220335
Course Description:	AP Computer Science Principles is an introductory college-level computing course that introduces students to the breadth of the field of computer science. Students learn to design and evaluate solutions and to apply computer science to solve problems through the development of algorithms and programs. They incorporate abstraction into programs and use data to discover new knowledge. Students also explain how computing innovations and computing systems—including the internet—work, explore their potential impacts, and contribute to a computing culture that is collaborative and ethical.
Additional Info:	Students must take the AP exam at the end of the school year. Scoring a level 3, 4, or 5 may earn students college credits.

Course Name:	AP US History
Course Number:	2100330
Course Description:	AP U.S. History is an introductory college-level U.S. history course. Students cultivate their understanding of U.S. history from c. 1491 CE to the present through analyzing historical sources and learning to make connections and craft historical arguments as they explore concepts like American and national identity; work, exchange, and technology; geography and the environment; migration and settlement; politics and power; America in the world; American and regional culture; and social structures.
Additional Info:	Students must take the AP exam at the end of the school year. Scoring a level 3, 4, or 5 may earn students college credits.

Course Name:	AP Precalculus
Course Number:	Code to be determined
Course Description:	<p>AP Precalculus, instructional time will emphasize six areas:</p> <ul style="list-style-type: none"> (1) extending right triangle trigonometry to unit circle trigonometry & trigonometric functions; (2) extending understanding of functions to trigonometric; (3) developing understanding of conic sections; (4) representing & performing operations with complex numbers & vectors in the coordinate plane; (5) extending understanding of relations in the plane using parametric representations, including polar coordinates & (6) analyzing arithmetic & geometric sequences & series.
Additional Info:	<p>Prerequisite: Algebra 2 or Algebra 2 Honors.</p> <p>Students must take the AP exam at the end of the school year. Scoring a level 3, 4, or 5 may earn students college credits.</p>

Course Name:	AP Statistics
Course Number:	1210320
Course Description:	<p>AP Statistics teaches the methods for analyzing categorical & quantitative data through descriptive & inferential methods. Students learn how to present data graphically & describe what it might be trying to tell us. In the second semester, students apply the inferential methods used to determine data being statistically significant & what that may mean. This course ends with the AP Exam in early May & students may be able to earn up to 3 college credits.</p>
Additional Info:	<p>It is strongly recommended that students have a graphing calculator to use at home. Students must take the AP exam at the end of the school year. Scoring a level 3, 4, or 5 may earn students college credits.</p>

Course Name:	AP Calculus AB/BC
Course Number:	1202310 / 1202320
Course Description:	<p>We discuss the concepts of limits & how they apply to major calculus concepts such as derivative, integrals, & infinite series. We will apply these concepts to various situations, such as the movement of an object & finding volume of 3-d figures. We will explore how parametric equations can better explain the movement of an object through vectors as well as the derivative & area in the polar coordinate system.</p>
Additional Info:	<p>It is strongly recommended that students have a graphing calculator to use at home. Students must take the AP exam at the end of the school year. Scoring a level 3, 4, or 5 may earn students college credits.</p>

Course Name:	AP English Language and Composition
Course Number:	1001420
Course Description:	AP English Language and Composition is an introductory college-level composition course. Students cultivate their understanding of writing and rhetorical arguments through reading, analyzing, and writing texts as they explore topics like rhetorical situation, claims and evidence, reasoning and organization, and style.
Additional Info:	Students must take the AP exam at the end of the school year. Scoring a level 3, 4, or 5 may earn students college credits.

Course Name:	AP English Literature and Composition
Course Number:	1001430
Course Description:	AP English Literature and Composition is an introductory college-level literary analysis course. Students cultivate their understanding of literature through reading and analyzing texts as they explore concepts like character, setting, structure, perspective, figurative language, and literary analysis in the context of literary works.
Additional Info:	Students must take the AP exam at the end of the school year. Scoring a level 3, 4, or 5 may earn students college credits.

Course Name:	AP Psychology
Course Number:	2107350
Course Description:	AP Psychology is an introductory college-level psychology course. Students cultivate their understanding of the systematic and scientific study of human behavior and mental processes through inquiry-based investigations as they explore concepts like the biological bases of behavior, sensation and perception, learning and cognition, motivation, developmental psychology, testing and individual differences, treatment of abnormal behavior, and social psychology.
Additional Info:	Prerequisite: Psychology 1/Psychology 2 Students must take the AP exam at the end of the school year. Scoring a level 3, 4, or 5 may earn students college credits.

Course Name:	AP Macroeconomics AND AP American Government
Course Number:	2102370/2106420
Course Description:	AP Macroeconomics is an introductory college-level macroeconomics course. Students cultivate their understanding of the principles that apply to an economic system as a whole by using principles and models to describe economic situations and predict and explain outcomes with graphs, charts,

	<p>and data as they explore concepts like economic measurements, markets, macroeconomic models, and macroeconomic policies.</p> <p>AP U.S. Government and Politics is an introductory college-level course in U.S. government and politics. Students cultivate their understanding of U.S. government and politics through analysis of data and text-based sources as they explore topics like constitutionalism, liberty and order, civic participation in a representative democracy, competing policy-making interests, and methods of political analysis.</p>
Additional Info:	Students must take BOTH AP exams at the end of the school year. Scoring a level 3, 4, or 5 may earn students college credits. These courses are each 0.5 credits and are paired together for the year.

Course Name:	AP Art 2 Studio/Art 3 Honors
Course Number:	0109350/010320
Course Description:	AP 2-D Art and Design is an introductory college-level two-dimensional design course. Students refine and apply 2-D skills to ideas they develop throughout the course.
Additional Info:	Students must take the AP exam at the end of the school year. Scoring a level 3, 4, or 5 may earn students college credits.