



American High School

Course Catalog

2015 - 2016

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Introduction and Mission Statement

American High School’s mission is to help all students achieve a foundation of success and empower them with a customized road map of their personal, educational, career, and lifelong goals through a standards-based, rigorous online curriculum in a unique online learning environment.

The Vision of American High School is to assist students in achieving a foundation of academic and personal success via an online learning environment that will ensure each student is ready to pursue their choice of post-secondary educational opportunities. We empower our students to reach their highest potential selves by working with them to create and follow a customized road map of their personal, educational, career, and lifelong goals through a standards-based, rigorous online curriculum.

The School’s core philosophy is the integration of advanced online learning tools with an innovative campus facility. We believe that the use of innovative technology will enhance student learning and provide efficiency for increased academic achievement. Our educational online program will cultivate learning while providing a personalized learning environment that caters to each student’s individual needs.

Graduation Requirements

Subject Area	College and Career	Industrial	Scholar
English	<ul style="list-style-type: none"> 4 credits ELA I, II, III, and IV. 	<ul style="list-style-type: none"> 4 credits in ELA I, II, III, and IV. 	<ul style="list-style-type: none"> 4 credits ELA I, II, III, and IV.
Mathematics	<ul style="list-style-type: none"> 4 credits which must include Algebra I and Geometry. 	<ul style="list-style-type: none"> 4 credits which must include Algebra I. 	<ul style="list-style-type: none"> 4 credits including Algebra I, Geometry, and Algebra II and Statistics or an equally rigorous course.
Science	<ul style="list-style-type: none"> 3 credits including Biology I. 	<ul style="list-style-type: none"> 3 credits including Biology I. 	<ul style="list-style-type: none"> 3 credits, including Biology I and Chemistry, Physics, or an equally rigorous course
Social Studies	<ul style="list-style-type: none"> 3 credits: <ul style="list-style-type: none"> 1 U.S. History 1 World History .5 Economics .5 U.S. Government. 	<ul style="list-style-type: none"> 3 credits: <ul style="list-style-type: none"> 1 U.S. History 1 World History .5 Economics .5 U.S. Government. 	<ul style="list-style-type: none"> 3 credits: <ul style="list-style-type: none"> 1 U.S. History 1 World History .5 Economics .5 U.S. Government.
Foreign Language	None.	None.	2 credits in same language.
Fine or Performing Arts	1 credit.	1 credit.	1 credit.
Physical Education	1 credit.	1 credit.	1 credit.
Electives	8 credits which must be coordinated so that students may develop knowledge and skills in their area of interest or in career education courses leading to industry certification.	8 credits in industry-certified career education program, career-themed courses, or career education courses identified in statewide/local articulation agreements.	6 credits in coordinated electives with Liberal arts, STEM, or career education focus. At least 1 credit must be earned in an AP, IB, AICE, or Dual Enrollment course.

Middle School

Language Arts Courses

1001010 Language Arts Grade 6

Students will work to further develop their skills in writing, reading, and speaking. They will use the six traits of writing to improve their writing and editing skills while being introduced to informative, persuasive, narrative, and descriptive writing styles. Emphasis will be placed on writing a clear and well developed paragraph. Students will undertake a detailed study of grammar learning and applying the eight parts of speech to their writing. Students will gain appreciate for various genres of literature as they read the novels for this course. Through those novels, they will study vocabulary, spelling, and the elements of literature.

1001040 Language Arts Grade 7

This course focuses on writing and literature. Students will review the eight parts of speech focusing on usage and applying the rules of grammar to their writing. As students work with functional, narrative, informative, and persuasive styles of writing, emphasis will be put on writing and editing a paper with an introduction, thesis, appropriate transitions, and a conclusion. In literature, students will study the elements of short stories as well as novels. They will further develop their vocabulary and spelling skills through these works of literature as well as use the themes presented to practice critical thinking skills and make real life applications.

1001070 Language Arts Grade 8

In these classes, the students will study vocabulary, literature, grammar, research, Internet usage, speech, and writing. The students will read novels in class for literary study; they will also read books and take tests to develop comprehension skills. The speeches and writings will be research based with appropriate documentation.

Math Courses

1205010 Math Grade 6

The sixth grade math curriculum is designed for students to master addition, subtraction, multiplication and division of whole numbers, decimals and fractions; graphing and statistics; measurement and geometry; ratio, proportion and probability; percent; area and volume; and integers.

1205040 Math Grade 7

The seventh grade curriculum contains strong mathematical content with real-life connections. This course includes the basic study of: exponents, rounding, place value, metrics, order of operations, using various graphs, adding, subtracting, multiplication, and division of decimals and fractions. It also includes lowest common multiples, greatest common factors and probability. The course will involve integrate algebra throughout.

1205070 Pre-Algebra Grade 8

This course includes the basic study of percent applications, exponents, scientific notation, metrics, multi-step problems, lowest common multiples, greatest common factors, fractions, decimals, graphing, geometry, probability and statistics, and two variable equations in algebra.

Science Courses

2002040 General Science Grade 6

This course covers a variety of scientific areas including life's structure and function, diversity of life, life and the environment, Earth's air and water, earth and space, matter, forces, and energy, electricity and magnetism.

2000010 Life Science Grade 7

The seventh grade Life Science covers living things around us serve as the subjects of study for this course, including ecology, cell life and structure, life processes, classification, genetics, and organisms.

2003010 Physical Science Grade 8

The eighth grade program looks at the Physical Sciences of chemistry and physics. Here, the major topics are matter and energy, and how they can be changed for the good of man. Subjects covered include the structure of matter, the atom, motion, energy, simple machines, magnetism, waves, light, sound, and energy resources.

Social Studies Courses

2103010 Social Studies Grade 6

Students are introduced to basic geography skills, the land, and its people. Students study of the world's regions using the Five Themes of Geography. The regions include: Location (both absolute and relative), place (the physical and human characteristics), human/ environment interaction (the relationships within places) movement (the mobility of people, goods and ideas) and region (how they form and change)

2100010 U.S. History Grade 7

The seventh grade social studies course is the beginning of a two year survey of United States history. It focuses on the period from the development of the first Native American cultures to the rise of sectional division in the 1850's. Basic geography skills, current events, and research projects are used to enhance student learning.

2106010 Civics Grade 8

The eighth grade social studies course is the second part of a two year survey of United States history. It focuses on the period from 1860 to the present. The changing economic and social structure of the United States in the twentieth century is explored and evaluated. Special emphasis is placed on the evolving role of America as a global military and economic power and the effect of this development on our domestic political agenda. Effort is made to create interdisciplinary lesson plans that coincide with literature concurrently studied in English classes.

Middle School Elective Courses

0400000 Theatre

Students learn the basics of building a character through such activities as pantomime, improvisation, and effective speaking using articulation, projection, and breathing. Students also learn the importance of technical theatre and explore the use of such elements as costumes, props, and scenery. Students practice writing for the theatre and explore various theatre roles and functions. Public performances may serve as a culmination of specific instructional goals. Students may be required to attend and/or participate in rehearsals and performances outside the school day to support, extend, and assess learning in the classroom. Public performances may serve as a culmination of specific instructional goals. Students may be required to attend and/or participate in rehearsals and performances outside of the school day to support, extend, and assess learning in the classroom.

0800000 Personal Fitness

The purpose of this course is to provide students with the knowledge, skills, and values they need to become healthy and physically active for a lifetime. This course addresses both the health and skill-related components of physical fitness which are critical for students' success.

1009000 Digital Storytelling

Digital stories focus on a specific topic and contain a particular point of view. However, as the name implies, digital stories usually contain some mixture of computer-based images, text, recorded audio narration, video clips, and/or music. Digital stories can vary in length, but most of the stories used in education typically last between 2 and 10 minutes. The topics used in digital storytelling range from personal tales to the recounting of historical events, from exploring life in one's own community to the search for life in other corners of the universe, and literally, everything in between.

6020044 Introduction to Programming Using Scratch

Want to solve challenging problems? Want to learn some computer science? Want to make amazing games, drawings, and songs online? This is a course that introduces computer science ideas using the programming language Scratch. It is designed for students who have at least some familiarity with computer use and the concept of variables. While the course starts with the basics of using Scratch, the programming activities throughout the course will stretch your mind and challenge you! You are encouraged to use this material with a friend, in an after school program, or in a class.

123452 Hospitality in Travel & Tourism

A course focused for students in Junior High (Grade 7, 8, and 9). "Traveling is part fun and part work! In order to have a great time you need to do a lot of planning. You have all the same basic needs when you travel that you do at home. You need to eat, sleep somewhere, and get around. There are a lot of details just GETTING to your destination. Will you take an airplane or drive? Do they use the same money as you do? Are there any diseases you need to be extra cautious of? Do you have a place to stay? Do you speak the language?" Nice for Geography of North America.

123451 Digital Citizenship

You may not have heard of the term “Digital Citizenship,” but you are probably already familiar with the behaviors and expectations that being a good “digital citizen” consists of. In this online course, you’ll learn the many different areas within the realm of Digital Citizenship and perhaps begin to think critically about your own behavior.

High School

Language Arts Courses

1001310 English 1 (1 Credit)

English I provides instruction in the Language Arts strands of the reading process, literary analysis, writing process, writing applications, communication, and information and media literacy. It offers instruction in reading and vocabulary strategies necessary for comprehension of printed materials; research; the writing of effective paragraphs and multi-paragraph papers, with emphasis upon all stages of the writing process in timed and untimed assessments (prewriting, drafting, revising, editing, publishing); speech instruction including formal and informal presentations; evaluation of mass media; the analysis of genres and the study of language in conjunction with writing, concentrating on conventions of grammar, usage, and mechanics. Technology is incorporated into all aspects of the course.

Prerequisite: N/A

1001340 English 2 (1 Credit)

English 2 provides instruction in the Language Arts strands of the reading process, literary analysis, writing process, writing applications, communication, and information and media literacy. Content includes instruction in reading literature and in vocabulary strategies necessary to comprehend printed materials; the writing of essays for various purposes and audiences, using literary and nonliterary subjects; untimed and timed writings, utilizing all elements of the writing process where appropriate (prewriting, drafting, revising, editing and publishing); emphasis of applicable research; analysis of selections found in world literature; study of grammar, mechanics, usage and other conventions of standard written English in conjunction with writing; study of mass media, including analysis of propaganda and persuasion techniques; and instruction in speech, including analysis of effective techniques in oral presentations. Technology is incorporated into all aspects of the course.

Prerequisite: English 1

1001370 English 3 (1 Credit)

English 3 provides instruction in the Language Arts strands of reading process, literary analysis, writing process, writing applications, communication, and information and media literacy. Composition instruction includes frequent practice in writing various types of multi-paragraph papers, including documented papers/projects. Referencing and summarizing skills will be stressed as well as all phases of the writing process (prewriting, drafting, revising, editing, and publishing). This study will include the analysis of representative examples of American literary works in various genres, as they illustrate distinctive national qualities and the ethnic and cultural diversity of the American experience. Vocabulary, grammar, and usage are studied in conjunction with literature and writing. Listening, speaking, researching, and writing assignments are related to the study of American literature. Technology is incorporated into all aspects of the course.

Prerequisite: English 2.

1001400 English 4 (1 Credit)

English 4 provides instruction in the critical analysis of representative examples from British literature, as they reflect changes in the language and the development of the literary traditions of the English language. Writing experiences are structured to provide practice in real-life writing situations likely to be encountered beyond secondary school, including technical, creative, and traditional academic modes. Opportunity is provided to extend speaking, researching, and listening skills. Content includes instruction in vocabulary strategies and reading necessary for comprehension of printed materials. Technology is incorporated into all aspects of the course.

Prerequisite: English 3

Mathematics Courses

1200310 Algebra 1 (1 Credit)

This course is a study of the topics of Algebra I designed to develop the algebraic concepts and processes that can be used to solve a variety of real-world mathematics problems. The content will include: properties of the real number system; varied means for analyzing and expressing patterns, relations and functions; variables, algebraic expressions and polynomials; geometric concepts; set operations; dimensional analysis; data analysis concepts and techniques; and varied solution strategies, algebraic and graphic, solutions for inequalities, linear and quadratic equations, and systems of equations. Calculators and computers will serve as instructional tools in concept development.

Credit in Algebra I precludes credit in Algebra IA and Algebra IB, Algebra I Honors, Applied Mathematics I and II, and Integrated Mathematics I and II. No Prerequisite

1200330 Algebra 2 (1 Credit)

This course is designed to continue the study of algebra and to provide the foundation for applying these skills to other mathematical and scientific fields. The content will include: structure and properties of the complex number system; sequences and series; relations; functions and graphs; varied solution strategies for linear equations, inequalities, and systems of equations and inequalities; quadratic, exponential, and logarithmic functions; and their applications; data analysis; reinforcement of geometric concepts, and probability. Calculators and computers will serve as instructional tools in concept development.

Prerequisite: Algebra 1 or Algebra I Honors

1202340 Pre-Calculus (1 Credit)

This course is designed to strengthen and extend the student's knowledge of algebraic and trigonometric concepts and to prepare the student for calculus. The content will include mathematical induction, symbolic logic, Boolean and matrix algebra, probability and statistics, elementary functions and limits. Calculators and computers will serve as instructional tools in concept development.

Prerequisite: Algebra II (Algebra II Honors) and Geometry (Geometry Honors)

1206310 Geometry (1 Credit)

The purpose of this course is to develop the geometric relationships and deductive strategies that can be used to solve a variety of real world and mathematical problems. The content will include Euclidean geometry of lines, planes, angles, triangles, construction and logic, and properties of circles, polygons, right triangle trigonometry, and reinforcement of algebraic concepts. Calculators and computers will serve as instructional tools in concept development.

Prerequisite: Algebra I equivalent

1200700 Mathematics for College Readiness (1 credit)

This course is targeted for students who are not yet “college ready” in mathematics or simply need some additional instruction in content to prepare them for success in college level mathematics. This course incorporates the Florida Standards for Mathematical Practices as well as the following Florida Standards for Mathematical Content: Expressions and Equations, The Number System, Functions, Algebra, Geometry, Number and Quantity, Statistics and Probability, and the Florida Standards for High School Modeling. The standards align with the Mathematics Postsecondary Readiness Competencies deemed necessary for entry-level college courses.

Science Courses

2000310 Biology 1 (1 Credit)

Biology 1 will provide opportunities to students for general exploratory experiences and activities in the fundamental concepts of life. Topics will include but not be limited to: the scientific method, measurements, laboratory apparatus usage and safety, cell biology and cell reproduction, principles of genetics, biological change through time, classification, microbiology, structure and function of plants and animals, structure and function of the human body, and ecology. Laboratory activities that include the use of the scientific method, measurement, laboratory apparatus, and safety are an integral part of this course.

Prerequisite: N/A

2000350 Anatomy and Physiology (1 Credit)

The purpose of this course is to enable students to develop understanding of the relationships between the structures and functions of the human body. The content should include, but not be limited to, the following:

- implementation of scientific habits of mind
- application of scientific knowledge, methodology, and historical context to solve problems
- use of laboratory technologies
- terminology
- cells and tissues
- homeostasis
- human genetics, growth, and development
- body composition, structure, and function
- internal and external changes and responses
- connections between anatomy, physiology, medicine, technology, society, and the environment

Prerequisite: Teacher Recommendation

2003310 Physical Science (1 Credit)

Physics and chemistry, particularly mechanics, the laws of motion, energy, electricity, magnetism, the elements, molecules, atoms, sub-atomic particles, nuclear reactions, light, heat, the periodic table, organic chemistry, and bio-chemistry, are introduced. Laboratory activities are an integral part of this course.

2003340 Chemistry 1 (1 Credit)

Chemistry I will provide opportunities for students to study the composition, properties, and changes associated with matter. Topics will include but not be limited to: classification and structure of matter, atomic theory, the periodic table, bonding, chemical formulas, chemical reactions, balanced equations, behavior of gases, physical changes, acids, bases, and salts. Laboratory activities that include the use of the scientific method, measurement, laboratory apparatus, and safety are an integral part of this course.

Prerequisite: N/A

2003380 Physics 1 (1 Credit)

Physics I Honors will provide students with an in depth study of the theories and laws governing the interaction of matter, energy, and the forces of nature. Topics will include but not be limited to: kinematics, dynamics, energy, work, power, heat and thermodynamics, wave characteristics, light, electricity, magnetism, and nuclear physics. Virtual Laboratory activities that include the use of the scientific method, measurement, laboratory apparatus, and safety are an integral part of this course. Prerequisite: Algebra 2

2000410 Zoology (1 Credit)

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).

Social Studies Courses

2100310 United States History (1 Credit)

American History will provide students with the opportunity to acquire an understanding of the chronological development of the American people by examining the political economic, social, religious, military, scientific, and cultural events that have affected the rise and growth of the nation. Content to be covered will include, but not be

limited to, an understanding of geographic-historic and time-space relationships, the synthesizing of American culture through the centuries, the origin of American ideals, the American colonial experience, the American Revolution and the Federal System, the Civil War as the solution to the secession issue, the technological and urban transformation of the country, and American foreign policy development.

Prerequisite: Recommended for 11th Grade

2102335 Economics with Financial Literacy (.5 credit)

The grade 9-12 Economics course consists of the following content area strands: Economics and Geography. The primary content emphasis for this course pertains to the study of the concepts and processes of the national and international economic systems. Students will acquire understanding in currency, banking, and monetary policy, the fundamental concepts relevant to the major economic systems, the global market and economy, major economic theories and economists, the role and influence of the government and fiscal policies, economic measurements, tools, and methodology, financial and investment markets, and the business cycle.

Prerequisite: Recommended for 12th Grade

2106310 United States Government (.5 credit)

United States Government will provide students the opportunity to acquire an understanding of American government and political behavior. Content to be covered will include, but not be limited to, an analysis of those documents which shape our political traditions (the Declaration of Independence, the Constitution, and the Bill of Rights), a comparison of the roles of the three branches of government at the local, state, and national levels, an understanding of the evolving role of political parties and interest groups in determining government policy, how the rights and responsibilities of citizens in a democratic state have evolved and been interpreted, and the importance of civic participation in the democratic political process.

Prerequisite: Recommended for 12th Grade

2109310 World History (1 Credit)

World History will provide students the opportunity to acquire an understanding of the chronological development of civilization by examining the political, economic, social, religious, military, dynastic, scientific, and cultural events that have affected humanity. Specific content to be covered will include, but not be limited to, an understanding of geographic, historic and time-space relationships, a review of pre-history, the rise of civilization and cultural universals, the development of religion and the impact of religious thought, the evolution of political systems and philosophies, the development of nationalism as a global phenomenon, the origin and course of economic systems and philosophies.

Prerequisite: Recommended for 10th Grade

Fine Arts Courses

0100330 Art History and Criticism 1 Honors (1 Credit)

The purpose of this course is to explore the role of art in history and culture through observation and analysis of significant works of art and architecture from Prehistory through the 16th century. Student historians investigate the societal context of works, considering traditional forms and conventions of representation, symbology, and the purposes for which the art was created. The course includes an introduction to the methodologies of art history and criticism, study of the media and techniques used by artists from various cultures and time periods, and use of appropriate terminology in verbal and written analyses of artworks drawn from around the world. Student historians critique and compare works across time and cultures to develop an understanding of, and respect for, the visual arts as a chronicle of history, cultural heritage, and the human experience. This course may also incorporate hands-on activities and consumption of art materials.

Physical Education Courses

1501300 Personal Fitness (.5 Credit)

Personal Fitness provides students with opportunities to develop an individual optimal level of physical fitness, acquire knowledge of physical fitness concepts, and acquire knowledge of the significance of lifestyle on one's health and fitness. The content includes knowledge of the importance of physical fitness, assessment of the health related components of fitness, health problems associated with inadequate fitness levels, application of biomechanical and physiological principles to improve and maintain fitness, safety practices and psychological values of fitness including stress management, and sound nutritional practices and consumer issues related to physical fitness.

Prerequisite: N/A

0800300 Health (.5 Credit)

The purpose of this course is to produce health literate students that make sound decisions and take positive actions for healthy and effective living. The course is wellness oriented and emphasizes responsible decision-making and planning for a healthy lifestyle.

The content should include, but is not limited to, the following:

- Family life
- Personal health (wellness planning, decision-making, goal-setting, prevention of child abuse and neglect)
- Internet safety
- Mental and emotional health (prevention of depression interpersonal, coping skills and suicide)
- Nutrition (physical activity and wellness)
- Substance use and abuse (tobacco, alcohol, and other drug use and abuse)
- Injury prevention and safety (cardiopulmonary resuscitation (CPR) and automatic external defibrillator (AED), first aid for obstructed airway violence, gangs, and bullying)
- Personal health (human sexuality, including abstinence from sexual activity, and teen pregnancy prevention)
- Prevention and control of disease (including HIV/AIDS and other STIs)
- Community and consumer health (resources and advocacy)

- Teen dating violence (abuse prevention)

3026010 Health Opportunities through Physical Education (HOPE) (1 Credit)

Developing physical skills and team sensibilities through physical education promotes active participation in home, school, and community learning and social activities, which, in turn, promotes participation in life. The content is intended to develop or expand the student's understanding of: Physical Activity, Components of Physical Fitness, Nutrition and Wellness Planning, Diseases and Disorders, Health Advocacy, First Aid/CPR, Alcohol, Tobacco, and Drug Prevention; Human Sexuality, including Abstinence and HIV; Cognitive Abilities, Lifetime Fitness, Movement, Responsible Behaviors and Values. The purpose of this course is to develop and enhance healthy behaviors that influence lifestyle choices and student health and fitness. Students will realize the full benefit of this course when it is taught with an integrated approach.

World Languages Courses

0708340 Spanish 1 (1 Credit)

The purpose of this course is to introduce students to the target language and its culture and to develop communicative skills and cross-cultural understanding. The content will include beginning skills in listening and speaking with special attention to pronunciation. An introduction to reading and writing will be included, as well as the fundamentals of grammar and culture.

0708350 Spanish 2 (1 Credit)

The purpose of this course is to reinforce the fundamental skills acquired previously by the students. This course develops increased listening, speaking, reading, and writing skills as well as cultural awareness. The content will include an expansion of listening and oral skills. Reading and writing will receive more emphasis, while oral communication remains the primary objective. This course will continue the cultural survey of Spanish-speaking people.

0708400 Advanced Placement - Spanish Language (1 Credit)

The purpose of this course is to develop oral and written fluency in the language. The content will include the requirements of the Advanced Placement program guidelines.

Prerequisite: Teacher Recommendation

0701320 French 1 (1 Credit)

Introduces students to the target language and its culture. The student will develop communicative skills in all 3 modes of communication and cross-cultural understanding. Emphasis is placed on proficient communication in the language. An introduction to reading and writing is also included as well as culture, connections, comparisons, and communities.

0701330 French 2 (1 Credit)

Reinforces the fundamental skills acquired by the students in French 1. The course develops increased listening, speaking, reading, and writing skills as well as cultural awareness. Specific content to be covered is a continuation of listening and oral skills acquired in French 1. Reading and writing receive more emphasis, while oral communication remains the primary objective. The cultural survey of the target language-speaking people is continued.

Honors and AP Courses

English Honors

1001320 English 1 Honors (1 Credit)

English 1 Honors promotes academic excellence in English language arts through the strands of reading process, literary analysis, writing process, writing applications, communication, and information and media literacy. This course provides instruction in critical analysis of major literary genres. Composition instruction focuses upon using the writing process in creative, technical, and traditional academic modes in both times and untimed settings. All stages of the writing process are addressed: prewriting, drafting, revising, editing, and publishing. Formal speaking experiences are provided. Technology is incorporated into all aspects of the course.

Prerequisite: Teacher Recommendation

1001350 English 2 Honors (1 Credit)

English 2 Honors promotes excellence in English language arts through the study of world literature. This course provides instruction in universal themes found in world literature as well as in the critical analysis of various genres in that literature. Composition instruction emphasizes the creative, technical, and traditional academic modes of writing through the writing process (prewriting, drafting, revising, editing, and publishing); frequent timed and untimed practice is provided. The study of language includes usage, mechanics, and other conventions of standard written English as they relate to students' writing. Formal and informal speaking opportunities are provided. Vocabulary study is done in conjunction with reading and literature. Technology is incorporated into all aspects of the course.

Prerequisite: English 1 Honors

1001380 English 3 Honors (1 Credit)

This course promotes excellence in English language arts through enriched experiences through the strands of reading process, literary analysis, writing process, writing applications, communication, and information and media literacy. Instruction includes frequent practice in writing various types of multi-paragraph essays, including documented papers; written and oral analysis of American literature representing the ethnic and cultural diversity of the American experience; and analysis of American dialects reflected in the literature. Reference skills and methods of summarizing are taught in the production of documented papers/projects. All phases of the writing process are utilized where appropriate (prewriting, drafting, revising, editing, and publishing). Formal and informal speech experiences are provided. Technology is incorporated into all aspects of the course.

Prerequisite: English 2 Honors

1001410 English 4 Honors (1 Credit)

English Honors 4 promotes excellence in English language arts through enriched experiences in communication skills and instruction in the literature of Great Britain. Instruction will cover the written and oral analysis of major British literary works of various genres in relationship to cultural influences and to the development of the literary traditions of the English language. Writing assignments will develop students' abilities to interpret literature and analyze it critically. All phases of the writing process will be utilized where appropriate (prewriting, drafting, revising, editing, and publishing). Students will also extend their speaking, researching, and listening, skills. Language study should include vocabulary and grammar in the context of literature and writing and an overview of the history of the language as reflected in literature. Technology is incorporated into all aspects of the course.

Prerequisite: English 3 Honors

English AP

1001420 Advanced Placement English Language and Composition (AP) (1 Credit)

The course provides a study of the semantic, structural, and rhetorical resources of the English language as they relate to the principles of effective writing. Examples of prose from various fields and periods serve as models of effective writing. This course provides a variety of writing opportunities that require the use of different styles and tones. Students develop individual writing styles adaptable to writing needs in college. Students are expected to take the Advanced Placement examination offered by the College Board.

Prerequisite: N/A

1001430 Advanced Placement English Literature and Composition (AP) (1 Credit)

This course involves students in the study and practice of writing and in the study of literature. Students learn to use the modes of discourse and to recognize the assumptions underlying various rhetorical strategies. Students acquire an understanding of the resources of the language and an understanding of the writer's craft through the study of poetry, drama, fiction and expository prose. Students develop critical standards for the analysis of any literary work and increase their sensitivity to literature as shared experience. Students are expected to take the College Board examination for Advanced Placement English Composition and Literature.

Prerequisite: N/A

Math Honors

1200320 Algebra 1 Honors (1 Credit)

This course is a rigorous in-depth study of the topics of Algebra I designed to develop the algebraic concepts and processes that can be used to solve a variety of real-world mathematics problems. The content will include: structure and properties of the real number system; varied means for analyzing and expressing patterns, relations and functions; variables, algebraic expressions and polynomials; geometric concepts; set operations; dimensional analysis; data analysis concepts and techniques; and varied solution strategies, algebraic and graphic, for inequalities, linear and quadratic equations, and for systems of equations. Calculators and computers will serve as instructional tools in concept development.

Credit in Algebra I Honors precludes credit in Algebra IA and Algebra IB, Algebra I, Applied Mathematics I and II, and Integrated Mathematics I and II.

Prerequisite: Teacher Recommendation.

1200340 Algebra 2 Honors (1 Credit)

This course is a rigorous in-depth study of the topics of Algebra II with emphasis on theory, proof, and development of formulas, as well as their application. The content will include: structure and properties of the complex number system; sequences and series; relations; functions and graphs; varied solution strategies for linear equations, inequalities, and systems of equations and inequalities; conic sections and their applications; quadratic, exponential, and logarithmic functions; and the Binomial Theorem. Calculators and computers will serve as instructional tools in concept development.

Prerequisite: Algebra 1 or Algebra I Honors and Teacher Recommendation.

1206320 Geometry Honors (1 Credit)

This course is designed to give a rigorous in-depth study of geometry with emphasis on methods of proof and the formal language of mathematics. The content will include the following: structure of geometry; separation properties; angle concepts; triangles, quadrilaterals; proofs, perpendicularity and parallelism in a plane and in space; similar polygons; circles and spheres; constructions; area and volume; coordinate geometry, and topology. Calculators and computers will serve as instructional tools in concept development.

Prerequisite: Algebra I equivalent

Math AP

1210320 Advanced Placement Statistics (1 Credit)

The purpose of this course is to offer students college-level mathematics under the guideline of the advanced placement program. The focus is on preparation for the statistics test given by the College Examination Board. Topics of study will include exploring data, using measurement in planning a study, producing models using probability and simulation to anticipate patterns, and statistical inference. Calculators and computers will serve as instructional tools in concept development. The purpose of the AP course in statistics is to introduce students to the major concepts and tools for collecting, analyzing, and drawing conclusions from data.

Students are exposed to four broad conceptual themes:

- Exploring Data: Describing patterns and departures from patterns
- Sampling and Experimentation: Planning and conducting a study
- Anticipating Patterns: Exploring random phenomena using probability and simulation
- Statistical Inference: Estimating population parameters and testing hypotheses

1202310 Advanced Placement Calculus AB (1 Credit)

This course is designed to offer students college-level mathematics under the guidelines of the Advanced Placement Program. The focus is on preparation for the Calculus Level AB Test given by the College Examination Board in May. Study will begin by reviewing function definitions, absolute value, and elementary functions from prerequisites. Calculators and computers will serve as instructional tools in concept development. AP Calculus AB is a course designed to offer students college level mathematics under the guidelines of the Advanced Placement Program. The student enrolled in this course will be expected to take the Advanced Placement Examination in Calculus AB. Download a complete course description from the College Board website.

Prerequisite: Math Analysis or Pre-calculus

Science Honors

2000320 Biology 1 Honors (1 Credit)

Biology 1 Honors will provide opportunities to students for general exploratory experiences and activities in the fundamental concepts of life. Topics will include but not be limited to: the scientific method, laboratory apparatus usage and safety, biochemistry, cell biology, genetics, botany, zoology, human anatomy and physiology, and ecological relationships. Laboratory activities that include the use of the scientific method, measurement, laboratory apparatus, and safety are an integral part of this course.

Prerequisite: Teacher Recommendation

2000360 Anatomy and Physiology Honors (1 Credit)

The purpose of this course is to enable students to develop understanding of the relationships between the structures and functions of the human body. The content should include, but not be limited to, the following:

- implementation of scientific habits of mind
- application of scientific knowledge, methodology, and historical context to solve problems
- use of laboratory technologies
- terminology
- cells and tissues
- homeostasis
- human genetics, growth, and development
- body composition, structure, and function
- internal and external changes and responses
- connections between anatomy, physiology, medicine, technology, society, and the environment

Prerequisite: Teacher Recommendation

2003350 Chemistry 1 Honors (1 Credit)

Chemistry I Honors will provide students with an opportunity to study the composition, properties and changes associated with matter. Topics will include but not be limited to: heat, changes of matter, atomic structure, bonding, the

periodic tables, formulas, equations, mole concept, gas laws, reactions, solutions, equilibrium systems, and oxidation reduction reactions. Laboratory activities that include the use of the scientific method, measurement, laboratory apparatus, and safety are an integral part of this course.

Prerequisite: Teacher Recommendation

2003390 Physics 1 Honors (1 Credit)

Physics I Honors will provide students with an in depth study of the theories and laws governing the interaction of matter, energy, and the forces of nature. Topics will include but not be limited to: kinematics, dynamics, energy, work, power, heat and thermodynamics, wave characteristics, light, electricity, magnetism, and nuclear physics. Virtual Laboratory activities that include the use of the scientific method, measurement, laboratory apparatus, and safety are an integral part of this course.

Prerequisite: Algebra 2

Science AP

2000340 Advanced Placement Biology (1 Credit)

Advanced Placement Biology will provide students with a college level course in biology and will prepare the student to seek credit and/or appropriate placement in college biology courses. Topics will include but not be limited to: molecular and cellular biology, organism biology, and population biology. Laboratory activities that include the use of the scientific method, measurement, laboratory apparatus, and safety are an integral part of this course.

Prerequisite: Biology/Biology Honors and Teacher Recommendation

2003370 Advanced Placement Chemistry (1 Credit)

The purpose of this course is to study the development and application of chemistry principles and concepts. Includes the study of atomic structure and theory, the chemical properties of matter, chemical reactions, and energy changes. In addition, the student is given the opportunity to learn from detailed laboratory exercises, special projects, and research. Science, technology, and societal issues are integrated throughout the course.

Prerequisite: Teacher Recommendation

2003420 Advanced Placement Physics B (1 Credit)

Advanced Placement Physics will provide students with a college level course in physics and will prepare students to seek credit and/or appropriate placement in college physics courses. Topics will include but not be limited to: kinematics, Newton's Laws of Motion, conservation laws in classical mechanics, torque, rotational equilibrium, gravitation, oscillation, kinetic theory and thermodynamics, electrostatics, electric currents, magnetism, waves and optics, and modern physics. Laboratory activities that include the use of the scientific method, measurement, laboratory apparatus, and safety are an integral part of this course.

Prerequisite: Teacher Recommendation

Social Studies Honors

2100320 United States History Honors (1 Credit)

American History Honors will provide students with the opportunity to acquire an in-depth and comprehensive understanding of the chronological development of the American people by examining the political, economic, social, religious, military, scientific, and cultural events that have affected the nation. Implicit in this is an understanding of the historical method, the inquiry process, historical reasoning and interpretation, and the issues of external and internal validity.

Prerequisite: Recommended for 11th Grade

2102345 Economics with Financial Literacy Honors (.5 credit)

Students will acquire understanding in currency, banking, and monetary policy, the fundamental concepts relevant to the major economic systems, the global market and economy, major economic theories and economists, the role and influence of the government and fiscal policies, economic measurements, tools, and methodology, financial and investment markets, and the business cycle. Students will develop the critical skills of analysis, synthesis, and evaluation in a more rigorous and reflective academic setting. Students are empowered to perform at higher levels as they engage in the following: analyzing historical documents and supplementary readings, working in the context of thematically categorized information, becoming proficient in note-taking, participating in Socratic seminars/discussions, emphasizing free-response and document-based writing, contrasting opposing viewpoints, solving problems, etc. Students will develop and demonstrate their skills through participation in a capstone and/or extended research-based paper/project (e.g., history fair, participatory citizenship project, mock congressional hearing, projects for competitive evaluation, investment portfolio contests, or other teacher-directed projects).

Prerequisite: Recommended for 12th Grade

2109320 World History Honors (1 Credit)

World History Honors will provide students the opportunity to acquire a comprehensive understanding of the past in terms of what has been interpreted about change or process as it related to the development of humanity. This is done by analyzing the political, economic, social, religious, military, dynastic, scientific, and cultural events that have shaped and molded humanity. Implicit in this is an understanding of the historical method, the inquiry process, historical reasoning and interpretation.

Prerequisite: Recommended for 10th Grade

Social Studies AP

2109420 Advanced Placement World History (1 Credit)

The AP World History course offers motivated students the opportunity to immerse themselves in the processes that, over time, have resulted in the knitting of the world into a tightly integrated whole. The course will cover 4 chronological periods from approximately 1000 AD to the present with careful preparation in terms of previous developments known as the Foundations segment. Topics include, but are not limited to impact of interaction among major societies, the relationship of change and continuity impact of technology and demography on people and environment, systems of

social structure and gender structure, cultural and intellectual developments, changes in functions and structures of states and in attitudes toward states and political identities.

Prerequisite: Teacher Recommendation

2100330 Advanced Placement United States History (1 Credit)

Advanced Placement American History will provide students with the opportunity to develop the analytic skills and factual knowledge necessary to deal critically with the problems, content, and materials of American historic development. Integral components of this course will include, but not be limited to, the formation of generalizations from primary sources in history, the synthesis and evaluation of information, the development of a set of criteria for judging proposed courses of action in terms of actual and projected consequences, the comparison of eras with similar trends, and analysis of the impact of major historical figures and groups on American and world events, the detection of bias in making conclusions, and the emergence of patterns in historical development.

Prerequisite: Teacher Recommendation

2106420 Advanced Placement United States Government and Politics (.5 credit)

This course will give students a critical perspective on politics and government in the United States. It requires familiarity with the various institutions, groups, beliefs, and ideas that make up the American political reality. Specific content to be covered will include, but not be limited to, an understanding of federalism and the separation of powers, the development of the constitution, the process of politics, the nature of public opinion, the role of political parties and interest groups, the major formal and informal institutional arrangement of powers, and the development of civil liberties and civil rights.

Prerequisite: Teacher Recommendation

2102370 Advanced Placement Macroeconomics (.5 credit)

Advanced Placement Macroeconomics gives students an opportunity to analyze the worldwide effects of economic activities and their impact on taxation, monetary policy, balance of trade issues, government policy, exchange rates, and similar “big picture” concepts. Students will understand economic concepts, vocabulary, and statistical interpretation of economic data.

Prerequisite: Teacher Recommendation

2102360 Advanced Placement Microeconomics (.5 credit)

AP* Microeconomics studies the behavior of individuals and businesses as they exchange goods and services in the marketplace. Students will learn why the same product costs different amounts at different stores, in different cities, at different times. They'll also learn to spot patterns in economic behavior and how to use those patterns to explain buyer and seller behavior under various conditions. Microeconomics studies the economic way of thinking, understanding the nature and function of markets, the role of scarcity and competition, the influence of factors such as interest rates on business decisions, and the role of government in promoting a healthy economy. The equivalent of a 100-level college course, AP Microeconomics prepares students for the AP exam and for further study in business, history, and political science.

2107350 Advanced Placement Psychology (1.0 credit)

AP* Psychology provides an overview of current psychological research methods and theories. Students will explore the therapies used by professional counselors and clinical psychologists and examine the reasons for normal human reactions: how people learn and think, the process of human development and human aggression, altruism, intimacy, and self-reflection. They will study core psychological concepts, such as the brain and sense functions, and learn to gauge human reactions, gather information, and form meaningful syntheses. Along the way, students will also investigate relevant concepts like study skills and information retention. The equivalent of an introductory college-level survey course, AP Psychology prepares students for the AP exam and for further studies in psychology or life sciences.

***APEX AP Curriculum Platform**

Academy of Criminal Justice

This online criminal justice career path is designed to help prepare students to enter the criminal justice field in a variety of first-tier positions. Students will be exposed to the foundational areas of the discipline: investigation and law enforcement, law and courts, and corrections and parole. The program also addresses juvenile delinquency and the juvenile justice system.

8918010 Criminal Justice Operations (1 Credit)

This course is designed to introduce students to the fields of law enforcement, the court system, and the correctional system. The content includes career opportunities in these fields, court system, correctional system, interpersonal and communication skills, and employability skills.

2002480 Forensic Science 1 (1 Credit)

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).

Academy of Business & Entrepreneurship

Managers play a critical role in shaping America's future. Businesses need managers who are effective, creative, disciplined and well educated. The Business Management career choices gives students the career skills to gain a understanding in the many areas of business. Career opportunities include management positions in manufacturing companies, business and management consulting, financial planning and banking, sales management, marketing and personnel administration.

8827110 Marketing Essentials (1 Credit)

This course is designed to prepare students for employment in various sales, customer service, advertising and promotion, and first line supervisory positions in wholesale, retail and service areas. Students will prepare to perform marketing and management functions and tasks as they relate to selling and retailing, e-commerce, sports and entertainment, and hospitality and tourism industries. Students will experience application of the following Florida Math Standards: number sense data analysis and probability, patterns and algebra, discrete math, and logic.

9200500 Marketing Management (1 Credit)

This course provides instruction for career sustaining level employment in the industry. The content includes applied skills related to the marketing functions including employment skills required for success in marketing and career planning as related to a marketing industry.

8812100 Introduction to Business (1 Credit)

The purpose of this course is to assist students in making informed decisions regarding their future academic and occupational goals and to provide information regarding careers in the Business, Management and Administration career cluster. The content includes but is not limited to fundamental knowledge and skills related to business functions in the Business, Management and Administration cluster. Reinforcement of academic skills occurs through classroom instruction and applied laboratory procedures.

Academy of Internet Technologies & New Media

New Media specialists are an exceptional group of contemporary students. They must possess deep and far-ranging skills in their fields of concentration along with a broad understanding of the social and economic impact of all cutting-edge new media technologies. They must be consummate problem solvers, with the well-honed ability to teach themselves emerging technologies. And, finally, they must have the knowledge and composure to make informed, timely decisions in an arena of constant urgency and change: a huge challenge!

5002000 Introduction to Computers (1 Credit)

The purpose of this course is to enable students to develop basic skills in computer fundamentals, keyboarding, computer applications, research tools, and educational applications.

Within appropriate developmental guidelines the content of this course should enable students to:

- Understand computer specific terminology
- Demonstrate a basic knowledge of computer technology, function and application
- Demonstrate keyboard proficiency
- Use the computer to integrate all areas of the curriculum
- Create original works using multimedia tools
- Use computer programs and educational software to reinforce their learning
- Undertake research and expand their critical thinking skills
- Understand the importance of cyber safety and computer etiquette

Introduction to C++ Programming (1 Credit)

In this introductory course, students learn basic programming concepts through a series of hands-on projects. They also learn about software development careers, the software development process, and industry best practices. Using Microsoft Visual C++ 7.0, students master the building blocks of programming: functions, variables, loops, arrays, and classes.

Academy of Health Sciences

“What do I want to do when I graduate?” is a question most high school students face at one time or the other. And for some, the Crescent Prep’s Health Science Careers program helps answer that question. The Health Science Careers program enables juniors and seniors to earn college credits in preparation for a career in a health field.

8417106 Orientation to Nursing (1 Credit)

The purpose of this course is to acquaint students with career opportunities and job requirements in the field of nursing which will enable students to consider career objectives and interests. Reinforcement of basic skills in English, mathematics, and science appropriate for the job preparatory programs occurs through vocational classroom instruction and applied laboratory procedures or practice.

Special projects that are related to nursing are provided, including role playing activities of daily living as a handicapped individual, developing an emergency evacuation plan for their own home, menu planning and feeding techniques, applying slings, use of wheelchairs, and creating their own nursing career plan. Team teaching and integration of the curriculum with English, Math and Science is encouraged.

Elective Courses

2002480 Forensics 1 (1 Credit)

This course involves components of all the sciences especially anatomy, biology, chemistry, earth science and physics. The course is designed to teach students to use critical thinking, deductive reasoning, laboratory techniques, and problem solving skills. These skills would then be related to real life situations and criminal law cases. Students will use reality and research- based activities to investigate complex scenarios and learn various scientific methods for solving these problems. *This course DOES NOT count toward the science graduation requirements.

8827110 Marketing Essentials (1 Credit)

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

Prerequisite: N/A

2107300 Psychology I (.5 credit)

Psychology I will help students acquire an understanding of human behavior, behavioral interaction, and the progressive development of individuals. Appropriate concepts and skills will be developed through the theories and methods of study employed by psychologists, human growth and development, self-concept development, adjustment, motivation and desire, intelligence, conditioning and learning, memory, personality and behavior, emotion and frustration, abnormal behavior, conformity, autonomy, alienation, stress, mental health and therapy.

Prerequisite: N/A

2108300 Sociology (.5 Credit)

Through the study of sociology, students acquire an understanding of group interaction and its impact on individuals in order that they may have a greater awareness of the beliefs, values and behavior patterns of others. In an increasingly interdependent world, students need to recognize how group behavior affects both the individual and society.

02003100 Computer Applications (.5 Credit)

Computer Applications is a course designed to teach students how to use the computer as a business and personal tool through the use of applications software. Appropriate software for database management, word processing, graphics, and spreadsheets will be used. Students will also perform activities using integrated software programs.

Stress Management (1 Credit)

Stress is a fact of life, wherever you are and whatever you are doing. You cannot avoid stress, but you can learn to manage it so it doesn't manage you. Changes in our lives—such as going to college, getting married, changing jobs, or illness—are frequent sources of stress. Keep in mind that changes that cause stress can also benefit you. Moving away from home to attend college, for example, creates personal-development opportunities—new challenges, friends, and living arrangements. That is why it's important to know yourself and carefully consider the causes of stress. Learning to do this takes time, and although you cannot avoid stress, the good news is that you can minimize the harmful effects of stress, such as depression or hypertension. The key is to develop an awareness of how you interpret, and react to, circumstances. This awareness will help you develop coping techniques for managing stress. For example, as an Army platoon leader, managing stress will require techniques that include an awareness of yourself and you're Soldiers.

Student Support Contact Information

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