



AMERICAN MIDDLE & HIGH SCHOOL COURSE CATALOG

2015-2016

COURSE CATALOG

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.

Deliver instruction to all students in a manner that improves performance and achievement, including those 'at risk' by way of a customized curriculum that is tailored to individual learning styles. By challenging students with high academic standards and supporting autonomy via the teacher/facilitator model, the School is poised to make a significant impact on learning outcomes.

Prepare students to become positive contributors to society and the communities in which they live through positive reinforcement of good social behaviors and values.

Middle School

Language Arts Courses

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 appreciation 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.

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.

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

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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.

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.

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

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.

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.

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

Geography 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)

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.

U.S. History 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.

Elective Courses

General Music

Students discover how music works with an exploratory introduction to the compositional process, and develop fluency in music notation and rhythmic skills, as well as knowledge of basic form. Acquisition of basic aural and keyboard skills provides students with skills to express themselves creatively through music. Public performances may serve as a resource for specific instructional goals. Students may be required to attend one or more performances outside the school day to support, extend, and assess learning in the classroom.

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

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.

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.

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.

Introduction to Programming Using Alice

Alice is an innovative 3D programming environment that makes it easy to create an animation for telling a story, playing an interactive game, or a video to share on the web. Alice is designed to be a student's first exposure to object-oriented programming. It allows students to learn fundamental programming concepts in the context of creating animated movies and simple video games.

Team Sports & Fitness

Team Sports & Fitness focuses on a higher level of proficiency of fitness and activity. Students will be required to participate in regular physical activity and will be required to track weekly physical activity, just like in Fitness for Life, but with more in-depth self-monitoring. Students will be learning about individual sports, commonly played team sports, and extreme sports. It is intended that these will promote various activities for lifetime fitness. Examples of activities covered are golf, tennis, martial arts, wrestling, water sports, gymnastics, dance, badminton, table tennis, winter sports, basketball, football, soccer, dodgeball, quadball, baseball, softball, volleyball, ultimate sport, disc golf, cycling, hiking and various extreme sports.

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.

Cybersafety

This course is designed for students who are learning to use the Internet. It supplies common sense tips for staying safe while using a wide range of network based tools.

Music Appreciation

Music Appreciation is a one semester course that will introduce students to the fundamentals of creating, enjoying, and listening to music. Students will learn about the basics of creating music including melody, harmony, and rhythm. Students will also explore instrumental and vocal timbre and will critique musical performances. Students will also be exposed to many musical styles including traditional, folk, jazz, opera, popular, and classical music. Through unique online software, students will be able to compose, arrange, and share their own musical ideas. Students will learn to appreciate the complexity and the art of music.

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

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

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

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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

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

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

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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.

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

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

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

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

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

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.

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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.

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

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.

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

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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

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

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

1210320 Advanced Placement Statistics

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 interference. 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

1211300 Trigonometry (.5 credit)

Trigonometry is a one-semester course designed for the study of circular and trigonometric functions and their applications. This course is designed to explore the concept of probability and elementary statistics. The content will include random experiments, probability concepts, permutations, combinations, and statistical applications. Calculators and computers will serve as instructional tools in concept development.

Prerequisite: Algebra II (Algebra II Honors) and Geometry (Geometry Honors) and Teacher Recommendation.

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

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

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

2000350 Anatomy and Physiology (1 Credit)

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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

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

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- 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.

2003320 Physical Science Honors (1 Credit)

Physical science is a discipline that encompasses principles of basic chemistry, physics and mathematics. This subject provides students with the basic foundation to continue further study in earth and space science, biology, chemistry and physics. Physical science affords students the opportunity not only to learn scientific principles and concepts, an emphasis will also be placed on problem solving and critical thinking skills. The course is heavily oriented towards laboratory investigations.

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

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

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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

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

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

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

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

Zoology - 1.0 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

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

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

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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

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

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).

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Prerequisite: Recommended for 12th Grade

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

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

2106320 United States Government Honors (.5 credit)

Students will acquire a comprehensive understanding of United States government and political behavior. Appropriate concepts and skills will be developed through an evaluation of the Declaration of Independence, the Constitution, and the Bill of Rights, an analysis of the roles of the three branches of government at the local, state, and national levels, a comparative view of the changing roles of the three branches of government at the local, state, and national levels, a comparative view of the changing nature of political parties and interest groups in determining government policy, an evaluation of citizen rights and responsibilities in a democratic state, and the importance of civic participation in democratic political processes.

Prerequisite: Recommended for 12th Grade

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

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

2107350 Advanced Placement Psychology (1 Credit)

Advanced Placement Psychology, will provide students an opportunity to acquire a comprehensive understanding of the systematic and scientific study of the behavior and mental processes of human beings and other animals. Students are exposed to the psychological facts, principles and phenomena associated with each of the major sub-fields within psychology. They also learn about the methods that psychologists use in their science and practice. Content will include, but not be limited to, methods, biological basis of behavior, sensation and perception, states of consciousness, learning, cognition, motivation and

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emotion, developmental psychology, personality, testing for intelligence and personality, abnormal psychology, treatment of disorders, and social psychology.

Prerequisite: Teacher Recommendation

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

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

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

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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

Fine Arts Courses

1300340 Music of the World (.5 credit)

Students explore the musical traditions of the 20th and 21st century American and Global Communities around the world through study of current trends, focusing on functions music within various cultures (e.g. jazz, world drumming, mariachi, soul, gamelan, Bollywood, digital.) Students may be required to attend one or more performances outside the school day to support, extend, and assess learning in the classroom. This course meets the performing arts requirement for graduation.

0100330 Art History and Criticism 1 Honors (.5 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

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

French 1 - 1.0 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.

French 2 - 1.0 Credit

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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

AP Statistics

AP* Statistics gives students hands-on experience collecting, analyzing, graphing, and interpreting real-world data. They will learn to effectively design and analyze research studies by reviewing and evaluating real research examples taken from daily life. The next time they hear the results of a poll or study, they will know whether the results are valid. As the art of drawing conclusions from imperfect data and the science of real-world uncertainties, statistics plays an important role in many fields. The equivalent of an introductory college-level course, AP Statistics prepares students for the AP exam and for further study in science, sociology, medicine, engineering, political science, geography, and business.

AP Calculus AB

In AP* Calculus AB, students learn to understand change geometrically and visually (by studying graphs of curves), analytically (by studying and working with mathematical formulas), numerically (by seeing patterns in sets of numbers), and verbally. Instead of simply getting the right answer, students learn to evaluate the soundness of proposed solutions and to apply mathematical reasoning to real-world models. Calculus helps scientists, engineers, and financial analysts understand the complex relationships behind real-world phenomena. The equivalent of an introductory college-level calculus course, AP Calculus AB prepares students for the AP exam and further studies in science, engineering, and mathematics.

AP Biology

AP* Biology builds students' understanding of biology on both the micro and macro scales. After studying cell biology, students move on to understand how evolution drives the diversity and unity of life. Students will examine how living systems store, retrieve, transmit, and respond to information and how organisms utilize free energy. The equivalent of an introductory college-level biology course, AP Biology prepares students for the AP exam and for further study in science, health sciences, or engineering.

AP Chemistry

AP* Chemistry builds students' understanding of the nature and reactivity of matter. After studying chemical reactions and electrochemistry, students move on to understand how the chemical and physical properties of materials can be explained by the structure and arrangements of the molecules and the forces between those molecules. Students will examine the laws of

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thermodynamics, molecular collisions, and the reorganization of matter in order to understand how changes in matter take place. Finally, students will explore chemical equilibria, including acid-base equilibria. The equivalent of an introductory college-level chemistry course, AP Chemistry prepares students for the AP exam and for further study in science, health sciences, or engineering.

AP* Psychology

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.

AP* English Language and Composition

In AP* English Language and Composition, students learn to understand and analyze complex styles of writing by reading works from a variety of authors. They'll explore the richness of language, including syntax, imitation, word choice, and tone. They'll also learn about their own composition style and process, starting with exploration, planning, and writing, and continuing through editing, peer review, rewriting, polishing, and applying what they learn to a breadth of academic, personal, and professional contexts. The equivalent of an introductory college-level survey class, this course prepares students for the AP exam and for further study in communications, creative writing, journalism, literature, and composition.

AP* English Literature and Composition

AP* English Literature and Composition immerses students in novels, plays, poems, and short stories from various periods. Students will read and write daily, using a variety of multimedia and interactive activities, interpretive writing assignments, and class discussions to assess and improve their skills and knowledge. The course places special emphasis on reading comprehension, structural and critical analysis of written works, literary vocabulary, and recognizing and understanding literary devices. The equivalent of an introductory college-level survey class, this course prepares students for the AP exam and for further study in creative writing, communications, journalism, literature, and composition.

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AP* U.S. History

In AP* U.S. History, students investigate the development of American economics, politics, and culture through historical analysis grounded in primary sources, research, and writing. The equivalent of an introductory college-level course, AP U.S. History prepares students for the AP exam and for further study in history, political science, economics, sociology, and law.

AP* U.S. Government and Politics

AP* U.S. Government and Politics studies the operations and structure of the U.S. government and the behavior of the electorate and politicians. Students will gain the analytic perspective necessary to critically evaluate political data, hypotheses, concepts, opinions, and processes. Along the way, they'll learn how to gather data about political behavior and develop their own theoretical analysis of American politics. They'll also build the skills they need to examine general propositions about government and politics, and to analyze the specific relationships between political, social, and economic institutions. The equivalent of an introductory college-level course, AP U.S. Government and Politics prepares students for the AP exam and for further study in political science, law, education, business, and history.

AP* Macroeconomics

AP* Macroeconomics students learn why and how the world economy can change from month to month, how to identify trends in our economy, and how to use those trends to develop performance measures and predictors of economic growth or decline. They'll also examine how individuals, institutions, and influences affect people, and how those factors can impact everyone's life through employment rates, government spending, inflation, taxes, and production. The equivalent of a 100-level college-level class, this course prepares students for the AP exam and for further study in business, political science and history.

AP* Microeconomics

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.

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.

Principles of Public Services - 1.0 Credit

The purpose of this course is to provide students with competencies related to a cluster of public service job preparatory programs and to help students develop skills, knowledge and attitudes necessary for success and advancement in a specialized public service job preparatory program.

Criminal Justice Operations - 1.0 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.

Forensic Science 1 - 1.0 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

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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).

Law Enforcement and Operations - 1.0 Credit

This course is a survey of the agencies that comprise the criminal justice system, which are primarily law enforcement, the courts, and corrections. The processes of these components and their relationship to one another, as well as the roles of related agencies, will be examined.

Juvenile Justice - 1.0 Credit

This course surveys the area of juvenile justice and delinquency through the study of the theories of juvenile misconduct, the juvenile court system, and methods of rehabilitation. Students will also explore the history of juvenile justice, the stages of juvenile court proceedings, and the effects of treating juvenile offenders as adults.

Criminal Law - 1.0 Credit

This course introduces the general principles of criminal law. Topics covered include both the policy and procedure of criminal law.

Criminal Justice Operations 1 - 1.0 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.

Crime Scene Technology – 1.0 Credit

This course is designed to develop working knowledge of all basic tenets in crime scene technology that are encompassed in the phases of crime scene search, recording, evidence gathering, packaging of evidence and courtroom testifying. The purpose is to provide for the proper collection of crime scene evidence according to all legal dictates and to present in related courts.

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Introduction to Corrections - 1.0 Credit

This course is a comprehensive examination of corrections. Students will explore the corrections process, alternatives, and the history and future directions in corrections.

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.

Business Ownership

1.0 Credit

The purpose of this course is to prepare students as entrepreneurs, present entrepreneurship as a career path that is worth consideration, provide students with the skills needed to realistically evaluate their potential as a business owner, and develop the fundamental knowledge and skills necessary to start and operate a business.

Business Management and the Law

1.0 Credit

This course is designed to provide an introduction to business management techniques. Topics include human relations, decision making, communication techniques, business law concepts, and characteristics of the American enterprise system.

Principles of Entrepreneurship

1.0 Credit

This course provides instruction in the basic principles of entrepreneurship including the role of the entrepreneur, entrepreneurship as a career, ethics in business, and the principles of marketing, financing, and managing a business.

Marketing Essentials

1.0 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

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Standards: number sense data analysis and probability, patterns and algebra, discrete math, and logic.

Business Law - 1.0 Credit

This course involves the study of how our nation's laws were formed, the ethics behind our laws, our kinds of law, how laws are enforced, and the difference between crimes and torts. Laws for minors, families, and consumers will also be studied. However, the main emphasis of this course will be the study of contracts—different types, how they are formed and ended, and damages.

Marketing Operations - 1.0 Credit

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

International Marketing - 1.0 Credit

The purpose of this course is to introduce the student to the basics of international marketing. These competencies include an understanding of import and export basics.

Marketing Applications - 1.0 Credit

This course is designed to provide students with an in-depth study of marketing in a free enterprise society and provide the knowledge, skills, and attitudes required for employment in a wide variety of marketing occupations.

E-Commerce Marketing - 1.0 Credit

This course is designed to provide students with general knowledge of the use of the World Wide Web as a marketing tool including the development of a web site and supporting marketing activities including the management of an internet marketing campaign.

Marketing Management - 1.0 Credit

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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.

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!

Computing for College and Careers - 1.0 Credit

This course is designed to provide a basic overview of current business and information systems and trends and to introduce students to the basics and foundations required for today's business environments. Emphasis is placed on developing proficiency with touch keyboarding and fundamental computer applications, so that they may be used as communication tools for enhancing personal and work place proficiency in an information-based society. This also includes proficiency with computers using databases, spreadsheets, presentation applications, and the integration of these programs using software that meets industry standards.

Introduction to Information Technology - 1.0 Credit

This course is designed to provide an introduction to information technology concepts and careers as well as the impact information technology has on the world, people, and industry and basic web design concepts. The content includes information technology career research; operating systems and software applications; electronic communications including e-mail and Internet services; basic web commands and design; and emerging technologies.

Multimedia Foundations 1 - 1.0 Credit

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This course is designed to provide a basic understanding of fundamentals of multimedia. Students learn to plan and create presentations that incorporate scanned images, and images created in various formats and mediums.

Multimedia Foundations 2 - 1.0 Credit

This course is designed to provide a basic understanding of Web page layout and integration of video and animation into Web pages. Special emphasis is placed on good design, proper usage of typography and images for delivery on the Internet.

Web Design 1 - 1.0 Credit

This course is designed to provide a basic overview of the Internet, Intranet, and WWW. The content includes operating systems; basic HTML commands; navigation of the Internet, Intranet, and Web; and Web page design.

New Media and Digital Imaging Fundamentals - 1.0 Credit

This course provides an overview of presentation guidelines and design elements associated with various presentation types. Effective digital photography composition and digital imaging software features including optimizing digital photographs for Web publication are covered.

Digital Video and Sound Fundamentals - 1.0 Credit

This course covers advanced planning and video editing for multi-media presentations. Students design presentations through various steps of development, implementation, and final output.

Web Design 2 - 1.0 Credit

This course provides advanced concepts for Internet, Intranet, and Web design. The content includes Internet/Intranet tools, Web site promotion, advanced HTML commands, advanced page design, and multimedia applications.

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.

Orientation to Nursing - 1.0 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.

Fundamentals of Nursing - 1.0 Credit

To expose students to a possible career in the healthcare industry especially nursing by giving them a snapshot of the skills and knowledge required in Nursing. To build a basic foundation & knowledge on simple nursing skills and procedures.

Anatomy & Physiology for Nursing – Hematology - .25 Credit

Hematology is the study of blood and an important part of clinical pathology and the diagnostic process. It includes not only the examination of the cellular and fluid portions of blood, but also includes a study of the tissues that form, store and circulate blood cells. An introduction to hematology and coagulation.

Anatomy & Physiology for Nursing – Respiratory System - .25 Credit

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The function of the respiratory system is to deliver necessary oxygen to the body and remove carbon dioxide and other waste products from the tissues. The anatomy and physiology of the respiratory system, which is well suited to this task, is the topic of this course.

Anatomy & Physiology for Nursing - Gastrointestinal System - .25 Credit

The digestive system, also referred to as the gastrointestinal or alimentary tract, contains the organs involved in the ingestion and processing of food. The digestive system plays a role in four major functions: ingestion, digestion, absorption, and elimination. This suite describes the anatomy and physiology of the gastrointestinal system as well as diseases that can affect it.

Anatomy & Physiology for Nursing -Neurological System - .25 Credit

The nervous system controls, organizes and communicates with the various tissues that make up an organism. It is the primary command center of the body. Every perception, be it taste, touch, smell, or sight is mediated through the nervous system, and every action begins with nervous system activation. The various components of the nervous system integrate sensory information gathered from the body and relay it to the brain, which ultimately determines the appropriate response. The course describes the anatomy and physiology of the nervous system, and how individual nerve cells communicate with one another.

Academy of Game Design & Programming

Would you like to become a video game designer working on the Play station 3, Xbox 360, or Nintendo Wii? Well, you're not alone. Read a bit further, and we'll show you that you might not be that far away from your dream career. Learn how to become a video game designer and programmer. These high school career paths offer students a look at real world career options while they are still in high school.

Game Design Foundations

1.0 Credit

This course is designed to provide an introduction to game and simulation concepts and careers, the impact game and simulation has on society and industry, and basic game/simulation design concepts such as rule design, play mechanics, and media integration. This course compares and contrasts games and simulations, key development methodologies and tools, careers, and industry-related information. This course also covers strategies, processes, and methods for conceptualizing a game or simulation application; storyboarding techniques; and development tools. Hands-on activities using an entry-level game development tool such as Game Maker or Alice is integrated into the curriculum. The culminating activity is the creation of a playable game

Game Design and Programming

1.0 Credit

This course covers fundamental principles of designing a game or a simulation application, in particular Human Computer Interface (HCI) principles, rules and strategies of play, conditional branching, design and development constraints, use of sound and animation, design tools, and implementation issues. Extensive use is made of evaluating and analyzing existing games or simulations. Hands-on activities using an entry-level game development tool such as Game Maker or Alice is integrated into the curriculum. The culminating activity is the creation and presentation of a playable game with design documentation

Game and Simulation Audio/Sound Effects - 1.0 Credit

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This course is focused on students acquiring skills in designing, producing, editing, and integrating audio and sound effects into a game or simulation application

Game and Simulation Video/Special Effects - 1.0 Credit

This course is focused on students acquiring skills in designing, producing, editing, and integrating video and special effects into a game or simulation application

Game and Simulation Programming - 1.0 Credit

This course is focused on students acquiring the appropriate programming skills for rendering a game or simulation product, including program control, conditional branching, memory management, score-keeping, timed event strategies and methodologies, and implementation issues

Introduction to 2D Game Programming - 0.5 Credit

This course is focused on students acquiring skills to create, refine, and integrate realistic 2D graphics into a game or simulation product. Students will essentially learn how to use a graphic software package, file maintenance strategies, and migration techniques and issues.

Introduction to 3D Game Graphics & Programming - 0.5 Credit

To make great games, you need to know how game engines work under the hood. Develop industry-level 3D graphics and game engine expertise that will leave you ready to take on any project. With 3000+ pages of in-depth text and over 40 hours of detailed presentations, you'll soon be an expert at writing shaders, computing lighting, and programming high-performance engine code that uses spatial trees, potential visibility sets, and more to render high quality visuals in real-time.

C++ Programming For Game Developers I - 0.5 Credit

If you want to be a game programmer, this is where you'll start. Most commercial games are built using the C++ programming language and this material will guide you through the process of making your very first video game. The skills you pick up along the way will serve as a foundation for the rest of the material in the package. In addition, you will be a competent C++ programmer capable of writing many different types of application.

C++ is a powerful language that unifies high-level programming paradigms, such as object oriented programming, with low-level efficiencies, such as the ability to directly manipulate memory. For these reasons, C++ has been embraced as the language of choice among game developers. C++ fulfills the need for high-level language constructs which aid in the organization of building complex virtual worlds, but is also able to perform low-level optimizations in order to squeeze out extra performance for such things as sophisticated special effects, realistic physics, and complex artificial intelligence.

C++ Programming for Game Developers II - 0.5 Credit

You will learn about fundamental graphic concepts such as double buffering, sprites, animation and timing, and masking. By the end of the course, you will have developed a fully functional 2D game, complete with graphics, physics, artificial intelligence, and input via the mouse. After completing this course, you will be adequately prepared for your first course in 3D graphics programming

Math for Game Programmers - 0.5 Credit

Math is the foundation of all video games. Although mathematics cannot be avoided, it doesn't have to be a dreadful experience either. Our training combines the depth of knowledge necessary to build realistic video games with a friendly approach that reduces much of the struggle. Whether you're programming your own game engine from scratch or using a third-party engine like Carbon or Unity, you'll be in great shape for the computational challenges ahead.

Digital Character Animation - 0.5 Credit

Digital Character Animation focuses on enhancing your ability to tell a story through character and movement: knowing how to animate life where there is none. Digital Character Animation combines cinematic storytelling skills, classical animation technique, and digital operating environments.

Visually appealing and smoothly animated 3D characters are a fundamental asset in almost every videogame on the market. You'll take your 3D art and animation skills to the next level with exclusive focus on building, texturing, rigging and animating 3D characters for your

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games. With over 11 hours of hands-on video instruction led by an accomplished game character animator, you'll quickly master these critical skills and start populating your worlds with your own lifelike creations.

Graphics Programming I - 0.5 Credit

The focus throughout these early lessons is on the core features of the DirectX 9 fixed-function rendering pipeline. This includes loading and drawing geometric objects, the use of lighting and textures to provide scene detail, developing camera systems for viewing simulation environments in real-time, and using alpha components for controlling object transparency to produce effects like glass and water.

Artificial Intelligence for Game Developers - 0.5 Credit

This Artificial Intelligence Programming for Video Game Developers course primarily explores two of the most significant areas of game AI: decision making and environment navigation. Decision making allows your artificial intelligence entities to appear to make intelligent choices about how they will interact with the world around them and how they will react to various events that take place in that world.

Elective Courses

8215120 Business and Entrepreneurial Principles (1 Credit)

This course is designed to provide an introduction to business organization, management, and entrepreneurial principles. Topics include communication skills, various forms of business ownership and organizational structures, supervisory/management skills, leadership skills, human resources management activities, business ethics, and cultural diversity. Emphasis is placed on job readiness and career development. The use of computers is an integral part of this program.

Prerequisite: Computing for College & Careers

8209020 Computing for College & Careers (1 Credit)

This course is designed to provide a basic overview of current business and information systems and trends and to introduce students to the basics and foundations required for today's business environments. Emphasis is placed on developing proficiency with touch keyboarding and fundamental computer applications, so that they may be used as communication tools for enhancing personal and work place proficiency in an information-based society. This also includes proficiency with computers using databases, spreadsheets, presentation applications, and the integration of these programs using software that meets industry standards.

Prerequisite: N/A

0108310 Creative Photography I (1 Credit)

The purpose of this course is to enable students to develop fundamental skills and creative approaches in photographic imagery, processes, and techniques. The content should include, but not be limited to, the following: use of equipment, tools, and materials, art and photography vocabulary, media, software, processes and techniques, elements of art and principles of design, formal and expressive elements, types and functions of cameras and film, use of light and exposure, darkroom and digital photographic processing, presentation techniques, technological, historical, and cultural perspectives, critical thinking and analysis,

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connections between photography and other subject areas, personal and social benefits, collaborative skills, legal and ethical issues and career opportunities.

Prerequisite: N/A

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.

1006300 Journalism 1 (1 Credit)

The course provides instruction in aspects of journalism and workshop experience in journalistic production. Instruction will be given in recognizing and writing news for journalistic media and in developing editorials, sports articles, and feature stories. In addition to written work, students will receive instruction in the history and traditions of journalism as well as workshop experiences in photography, layout, advertising, printing, and other practical aspects of journalistic enterprise. In connection with workshop experiences, one or more student journalistic productions may be included. The required selling of ads is part of the business aspect of the curriculum and can count for up to 10% of the grade.

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

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8500120 Personal and Family Finance (1 Credit)

The purpose of this course is to give students an overview of the American economic system, personal, and family finance. This course will include not be limited to consumer rights and responsibilities, decision making, record keeping, credit, taxes, wills, savings plans, investment choices, insurance and contracts, money management and the role of financial institutions and financial planning.

Prerequisite: N/A

8812110 Principles of Entrepreneurship (1 Credit)

This course is designed to provide the basic principles of entrepreneurship including the role of the entrepreneur; entrepreneurship as a career; ethics in business; and the principles of marketing, financing, and managing a business.

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

Sociology - 0.5 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.

Stress Management - 1.0 Credit

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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.

8772110 Television Production I (1 Credit)

This course offers basic skills in camera, audio, lighting and video editing operations. Other aspects of the curriculum include television history and production organization skills.

Prerequisite: N/A

Additional Premium Electives

Anthropology 1: Uncovering Human Mysteries - 0.5 Credit

Anthropology uses a broad approach to give students an understanding of our past, present, and future, and also addresses the problems humans face in biological, social, and cultural life. This course explores the evolution, similarity, and diversity of humankind through time. It looks at how we have evolved from a biologically and culturally weak species to one that has the ability to cause catastrophic change. Exciting online video journeys are just one of the powerful learning tools utilized in this course

Anthropology 2: More Human Mysteries Uncovered - 0.5 Credit

This course continues the study of global cultures and the ways that humans have made sense of their world. It examines ways that cultures have understood and given meaning to different stages of life and death. The course also examines the creation of art within cultures and how cultures evolve and change over time. Finally, students apply the concepts and insights learned from the study of anthropology to several cultures found in the world today.

Archaeology: Detectives of the Past - 0.5 Credit

The field of archeology helps us better understand the events and societies of the past that have helped to shape the modern world. This course focuses on the techniques, methods, and theories that guide the study of the past. Students learn how archaeological research is conducted and interpreted, as well as how artifacts are located and preserved. Finally, students learn about the relationship of material items to culture and what we can learn about past societies from these items.

Computer Science 1A - 0.5 Credit

An engaging interdisciplinary course, Computer Science 1A provides a fundamental understanding of computer science principles while emphasizing the practical application of computer science to other areas of learning. It encourages critical thinking while developing specific skills in scripting, program structure, logic and languages, functions, and data sets. The

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course's 14 lessons and five activities are specifically designed to address the relevant standards prescribed by the Computer Science Teachers Association.

Computer Science 1B - 0.5 Credit

Part of the Plato Courseware Career Technical Education (CTE) Library, Computer Science 1B combines engaging online and offline activities in a rigorous one semester course for your high school students who may be aspiring to technical careers. Building on lessons covering the software development lifecycle and software development methodologies, the course uses online discussions, activities, and lessons to lead your students through additional key topics such as quality control, system implementation and maintenance and the increasingly important issue of system security.

Criminology: Inside the Criminal Mind - 0.5 Credit

Crime and deviant behavior rank at or near the top of many people's concerns. This course looks at possible explanations for crime from the standpoint of psychological, biological and sociological perspectives, explore the categories and social consequences of crime, and investigate how the criminal justice system handles not only criminals, but also their crimes. Why do some individuals commit crimes and others do not? What aspects in our culture and society promote crime and deviance? Why are different punishments given for the same crime? What factors shape the criminal case process?

Digital Art - 0.5 Credit

This is an effective and comprehensive introduction to careers in the rapidly expanding world of digital art. The course covers creative and practical aspects of digital art in 15 lessons that are enhanced with online discussions and a variety of activities. Beginning with a history of digital art, the course goes on to issues of design, color, and layout. While students will experience creation of digital art, they will also learn about converting traditional art to digital formats. They will also learn about creating a personal portfolio to prepare themselves for career opportunities.

Digital Photography - 0.5 Credit

Few recent technical innovations have changed an industry as fundamentally as digital photography has changed everything about the way we capture our lives in the way we take, edit, store, and share pictures. Digital Photography provides you with the flexibility to not only use it as an independent individual course or as a group or class course, but to also easily customize the course to the unique needs of your situation. The course combines 15 lessons with online discussions that promote the development of critical thinking skills as your students explore digital photography as an enriching activity or a career.

Digital Photography 1: Creating Images with Impact - 0.5 Credit

Digital Photography I focuses on the basics of photography, including building an understanding of aperture, shutter speed, lighting, and composition. Students will be introduced to the history of photography and basic camera functions. Students use basic techniques of composition and camera functions to build a personal portfolio of images, capturing people, landscapes, close-ups, and action photographs.

Digital Photography 2: Discovering Your Creative Potential - 0.5 Credit

In this course, we examine various aspects of professional photography, including the ethics of the profession, and examine some of the areas in which professional photographers may choose to specialize, such as wedding photography and product photography. Students also learn about some of the most respected professional photographers in history and how to critique photographs in order to better understand what creates an eye-catching photograph.

Drafting & Design 1A - 0.5 Credit

From the history of drafting and design to a look at the latest in the industry's latest computer-aided tools, Drafting and Design 1A gives your students a comprehensive look at a dynamic and in-demand career. With 14 effective lessons and five engaging activities that lead to mastery of the course content, the course review and end of course assessment help ensure that mastery. The course features skill-embedded content that connects student learning to real-life experiences.

Essential Career Skills - 0.5 Credit

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The 21 lessons and additional activities in this one-semester course are fundamental to ensuring career readiness on the part of your students. Covering such essentials as developing and practicing a strong work ethic, time management, communication, teamwork, and the fundamentals of workplace organizations, Essential Career Skills develops not just essential skills, but the confidence in themselves and their abilities to present themselves that your students need as they prepare to embark on their chosen careers.

Forensic Science 1: Secrets of the Dead - 0.5 Credit

In this unit, students are introduced to forensic science. We discuss what forensic science consists of and how the field developed through history. Topics covered include some of the responsibilities of forensic scientists and about some of the specialty areas that forensic scientists may work in. Objective and critical thinking questions are combined with lab activities to introduce students to analyzing the crime scene, a wide variety of physical evidence such as firearm and explosion evidence, and DNA evidence.

Forensic Science 2: More Secrets of the Dead - 0.5 Credit

Although the crime scene is the first step in solving crimes through forensic science, the crime laboratory plays a critical role in the analysis of evidence. This course focuses on the analysis of evidence and testing that takes place within the lab. It examines some of the basic scientific principles and knowledge that guide forensic laboratory processes, such as those testing DNA, toxicology, and material analysis. Techniques such as microscopy, chromatography, odontology,, mineralogy, and spectroscopy will be examined.

Game Development - 0.5 Credit

Are any of your students gamers? That's what we thought. In this course, they'll learn the ins and outs of game development to prepare them for a career in the field. Whether it is the history of video games, character development, mobile game design, user interface design, social gaming, or the principles of development design and methodologies, this 20-lesson course covers it all. As you might guess, games are included in the course to enhance the learning experience and help assess student progress. While fun and highly engaging, the course focuses on laying a strong foundation for a career in game development.

Gothic Literature: Monster Stories - 0.5 Credit

From vampires to ghosts, frightening stories have influenced fiction writers since the 18th century. This course focuses on the major themes found in Gothic literature and demonstrates how core writing drivers produce thrilling psychological environments for the reader. Terror versus horror, the influence of the supernatural, and descriptions of the difference between good and evil are just a few of the themes presented. By the time students have completed this course, they will have gained an understanding of and an appreciation for the complex nature of dark fiction.

Great Minds in Science: Ideas for a New Generation - 0.5 Credit

Is there life on other planets? What extremes can the human body endure? Can we solve the problem of global warming? Today, scientists, explorers, and writers are working to answer all of these questions. Like Edison, Einstein, Curie, and Newton, scientists of today are asking questions and working on problems that may revolutionize our lives and world. This course focuses on 10 of today's greatest scientific minds. Each unit takes an in-depth look at one of these individuals, and shows how their ideas may help to shape tomorrow's world.

International Business: Global Commerce in the 21st Century - 0.5 Credit

From geography to culture, Global Business is an exciting topic. This course helps students develop the appreciation, knowledge, skills, and abilities needed to live and work in a global marketplace. Business structures, global entrepreneurship, business management, marketing, and the challenges of managing international organizations are all explored in this course. Students cultivate an awareness of how history, geography, language, cultural studies, research skills, and continuing education are important in business activities and the 21st century.

Introduction to Accounting - 0.5 Credit

The Bureau of Labor Statistics identifies accounting as one of the best careers for job growth in the next decade. This course empowers high school students with the essential skills they need to understand accounting basics. Lessons include Account Types (assets, liabilities, expenses, etc.), The Accounting Cycle, and Balance Sheet Elements. Engaging and relevant, this course

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particularly helps both those students with an accounting career orientation, and those in need of an overview of essential accounting principles.

Introduction to Business Administration - 0.5 Credit

Introduction to Business Administration is specifically designed to provide high school students with the knowledge and skills they need to succeed in high-demand careers. This full semester course includes 15 lessons and five course activities that keep students engaged while online discussions leverage their collective knowledge for the benefit of all learners. The course is both flexible and simple to manage. The wide variety of lessons includes: Entrepreneurship and Management; Organizational Behavior; Fundamentals of Finance; and Quality Management. The course concludes with an end-of-semester assessment.

Introduction to Fashion Design - 0.5 Credit

From Components of Fashion to Haute Couture to Production, this course is focused on the practical aspects of career preparation in the fashion design industry. The 17 lessons in the course provide students with both breadth and depth, as they explore the full gamut of relevant topics in fashion design. Online discussions and course activities require students to develop and apply critical thinking skills while the included games appeal to a variety of learning styles and keep students engaged. Fascinating and practical, Introduction to Fashion design will appeal to, and enrich, many of your students.

Introduction to Marketing - 0.5 Credit

This one-semester course provides a comprehensive overview of marketing principles and practices in today's dynamic digital context. The five course activities are career oriented and encourage the development of critical thinking skills in practical applications. Marketing is a rapidly changing discipline, and this course helps prepare your students for the challenges and excitement of a career in marketing. Lessons include Branding, Segmentation, Advertising Fundamentals, and Online Marketing.

Introduction to Philosophy: The Big Picture

This course is an exciting adventure that covers more than 2,500 years of history. Despite their sometimes odd behavior, philosophers of the Western world are among the most brilliant and

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influential thinkers of all time. As students learn about these great thinkers, they'll come to see how and where many of the most fundamental ideas of Western Civilization originated. They'll also get a chance to consider some of the same questions these great thinkers pondered.

Introduction to Social Media - 0.5 Credit

This cutting-edge course develops social media skills and knowledge that will have a practical and positive impact in helping your high school students succeed in today's economy. Of course they already engage in social media, but this course enhances their skills and knowledge in order to apply them in a practical way in their careers. Online discussions are a critical aspect of creating a collaborative learning environment, while games and other interactions ensure engagement and promote a strong career orientation.

Law & Order: Introduction to Legal Studies - 0.5 Credit

From traffic laws to regulations on how the government operates, laws help provide society with order and structure. Our lives are guided and regulated by our society's legal expectations. Consumer laws help protect us from faulty goods; criminal laws help to protect society from individuals who harm others; and family law handles the arrangements and issues that arise in areas like divorce and child custody. This course focuses on the creation and application of laws in various areas of society.

Medical Terminology - 0.5 Credit

Built on the same sound pedagogy and proven course design methodologies as all of our courses, Medical Terminology helps students understand the structure and meaning of medical terms and identify medical terminology associated with various body systems. As the health care industry becomes more and more complex, developing expertise in accurately and efficiently identifying medical terms and their specific application is essential to a growing variety of health care careers. This course begins to prepare your students for those careers.

Music Appreciation - 0.5 Credit.

In a time of an increasing emphasis on STEM courses and skills, it remains essential to provide your students with opportunities to explore the arts from both an informational and career-oriented perspective. In Music Appreciation, students will explore the history and evolution of

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music, learn the elements of music and musical notations, and the contributions of popular music artists and composers. A variety of lessons, activities, and discussions will help to develop an awareness and appreciation of music that will develop not only critical thinking skills, but life enriching skills as well.

Music Appreciation: The Enjoyment of Listening - 0.5 Credit

Music is part of everyday life and reflects the spirit of our human condition. To know and understand music, we distinguish and identify cultures on local and global levels. This course provides students with an aesthetic and historical perspective of music, covering a variety of styles and developments from the Middle Ages through the 21st Century. Students acquire basic knowledge and listening skills, making their future music experiences more informed and enriching

Parenting - 0.5 Credit

As adulthood and its accompanying responsibilities become closer for many of your students, this one-semester course with 12 lessons introduces them to the basics of parenting. Students will learn the nuances of parenting including learning about prenatal and postnatal care and gain insights on the nurture of children. Students will also learn about the importance of positive parenting skills, parent-child communication, and ways to use community resources for effective parenting. Activities will help your students connect leading research to real-life experience.

Personal & Family Finance - 0.5 Credit

How do personal financial habits affect students' financial futures? How can they make smart decisions with money in the areas of saving, spending, and investing? This course introduces students to basic financial habits such as setting financial goals, budgeting, and creating financial plans. Students learn about topics such as taxation, financial institutions, credit, and money management. The course also addresses how occupations and educational choices can influence personal financial planning, and how individuals can protect themselves from identity theft.

Personal Psychology 1: The Road to Self-Discovery - 0.5 Credit

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Self-knowledge is the key to self-improvement. More than 800,000 high school students take psychology classes each year. Among the different reasons, there is usually the common theme of self-discovery. Sample topics include the study of infancy, childhood, adolescence, perception and states of consciousness. The course features amazing online psychology experiments dealing with our own personal behavior.

Personal Psychology 2: Living in a Complex World - 0.5 Credit

This course enriches the quality of students' lives by teaching them to understand the actions of others. Topics include the study of memory, intelligence, emotion, health, stress and personality. This course features exciting online psychology experiments involving the world around us.

Principles of Agriculture, Food & Natural Resources - 0.5 Credit

Throughout this course, your students will learn about various career options in the agriculture, food, and natural resources industries. They will learn about technology, safety, and regulatory issues in agricultural science. They will also learn about some topics related to agriculture, such as international agriculture and world trade, sustainability, environmental management, research, development, and future trends in the industry. The course helps students navigate the rising demand for sustainable food sources while also meeting the challenge of producing higher yields to feed a growing world.

Principles of Architecture & Construction - 0.5 Credit

This interactive course empowers students with the knowledge to appreciate and evaluate career opportunities in architecture and construction. With an emphasis on developing critical thinking skills, this one-semester course includes a variety of activities as students learn about structures and loads, materials and costs, urban design, and other aspects of these fascinating career opportunities. This easy-to-manage course will help build a solid foundation for their career options.

Principles of Arts, Audio/Video Technology, & Communications - 0.5 Credit

This course appeals to your students' familiarity with a variety of sensory inputs and stimulus. With an emphasis on visual arts, the 14 lessons introduce learners to careers in design,

photography, performing arts, fashion, and journalism, among others. This engaging course covers inherently engaging topics that will stimulate your students as they consider careers in which the arts, technology, and communications intersect.

Principles of Business Marketing & Finance - 0.5 Credit

This course has a broad application for almost every career path that your students might choose. This course supplies both essential career skills and life skills. Designed for early high school students, the course offers you the flexibility to customize it to the unique needs of your program and your students. Interactive games and other engaging online and offline activities make practical real-life application of essential business principles understandable useful in the daily lives of your students and in the careers that they choose.

Principles of Engineering & Technology - 0.5 Credit

This easy-to-manage course provides students with essential STEM knowledge and an effective overview of STEM careers. The course's 15 lessons are interspersed with activities and online discussions that engage learners and promote understanding and achievement. Topics covered include biotechnology, mechanics, and fluid and thermal systems. The concluding lesson provides a valuable overview of the overall engineering design process.

Principles of Finance - 0.5 Credit

Financial literacy is an increasingly essential capability as students prepare for the workforce, and this 18-lesson course provides the information they need to determine if a career in finance is right for them. The course uses games and online discussions to effectively facilitate learning, while introducing your learners to a variety of topics, including investment strategies, money management, asset valuation, and personal finance.

Principles of Health Science - 0.5 Credit

With an engaging and interactive instructional approach, this rigorous course provides your students with a comprehensive overview of health science topics and careers. Health science professionals are in increasing demand and of increasing interest, and this semester-long course is an effective way to introduce students to the wide array of health science careers.

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Beginning with medical terminology, the course includes an overview of physiology and human homeostasis and more.

Principles of Hospitality & Tourism - 0.5 Credit

The hospitality and tourism industry offers a dynamic career path that will pique the interest of many of your students. This course emphasizes learning the practical aspects of the industry and the development of critical-thinking skills that lead to real-world solutions. This 14-lesson one-semester course will introduce your students to an exciting industry and will help them evaluate and prepare for a career in this growing and exciting industry.

Principles of Information Technology 1A - 0.5 Credit

This course develops practical skills in the ever-expanding IT industry. The course includes lessons that cover the increasingly relevant and important areas of privacy and data security, as well as addressing some essential skills such as word processing and spreadsheet software, and then advancing to cutting edge networking and database software concepts.

Principles of Information Technology 1B - 0.5 Credit

Building on the fundamentals learned in Information Technology 1A, this course takes the next steps in preparing learners for a career in information technology. Covering software, hardware, and implementation topics, the course also addresses the security and ethical issues that your students will face in an IT career. Combining lessons, online and offline activities, and interactive discussions, the course will provide a practical yet cutting edge look at the issues faced by leading IT professionals today and in the future.

Principles of Law, Public Safety, Corrections, & Security - 0.5 Credit

For many reasons, high school students are drawn to learning about the careers addressed in this course. This one-semester course includes 15 lessons that help students learn about careers that make a powerful impact in all of our lives. From criminal law to every phase of the trial process, the course moves on to include lessons on the correctional system and the implications of legal ethics and the constitution.

Principles of Manufacturing - 0.5 Credit

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Principles of Manufacturing is a one-semester course comprising 15 lessons to help your students understand various manufacturing processes, concepts, and systems, and to introduce them to the various career paths available to them in manufacturing. This course emphasizes STEM principles while also covering practical aspects of manufacturing such as marketing and regulatory issues, as well as issues related to launching and managing a manufacturing business.

Principles of Marketing, Advertising, & Sales Promotion - 0.5 Credit

Issues in marketing, advertising, and sales promotion are evolving rapidly in an increasingly digital environment. This course effectively helps your students prepare for a career in that environment through a comprehensive look at essential marketing principles, interactive tools and channels, and the growing impact of data in marketing and advertising. Simple to manage and easy to customize, the course provides an overview of all of the fundamental topics necessary to effectively put your students on a career path that unleashes their creativity and develops and leverages their critical thinking skills.

Principles of Transportation, Distribution, & Logistics - 0.5 Credit

In an increasingly interconnected world, this course will introduce your students to an industry that delivers what people want, when and how they want it. The TDL industry is essential to creating global economic growth through increasingly more efficient delivery of goods and services. This course will help to develop both the quantitative and qualitative skills and knowledge required for students to prepare themselves for a successful TDL career. The course addresses the relevant logistical and geopolitical issues that impact global trade.

Real World Parenting - 0.5 Credit

What is the best way to care for children and teach them self-confidence and a sense of responsibility? Parenting involves more than having a child and providing food and shelter. Students learn what to prepare for, what to expect, and what vital steps parents can take to create the best environment for their children. Parenting roles and responsibilities, nurturing and protective environments for children, positive parenting strategies, and effective communication in parent/child relationships are other topics covered in this course.

Social Problems 1: A World in Crisis - 0.5 Credit

This course introduces students to the topic of social problems. The initial unit helps students develop an understanding of social problems, some of the characteristics common to many of them, and how those problems evolve. Social Problems 1 makes use of labs, discussions, and other learning modalities to maximize effective learning. The course looks closely at the problem of poverty and its root causes, as well as problems in education. It also examines the problem of crime, what has historically succeeded and failed in addressing it, and how to move society forward in effectively mitigating the problem.

Social Problems 2: Crisis, Conflicts & Challenges - 0.5 Credit

Building on the mastery of basics students acquire in Social Problems 1, this course explores issues such as globalization, alcohol and drug abuse, gangs and cults, and the ever-present and growing issue of personal privacy and its related complexities. It also addresses issues of nutrition and health, and their impact on society's wellbeing. Discussion questions encourage the development of critical thinking skills, and better equips students for college and career by helping them better understand the issues affecting themselves and their world.

Sociology 1: The Study of Human Relationships - 0.5 Credit

The world is becoming more complex. How do beliefs, values and behaviors affect people and the world in which we live? Students examine social problems in our increasingly connected world, and learn how human relationships can strongly influence and impact their lives. Exciting online video journeys are an important component of this relevant and engaging course.

Sociology 2: Your Social Life - 0.5 Credit

Sociology is the study of people, social life, and society. By developing a "sociological imagination" students are able to examine how society itself shapes human action and beliefs, and how in turn these factors re-shape society itself. Fascinating online video journeys will not only inform students, but motivate them to seek more knowledge on their own.

Veterinary Science: The Care of Animals - 0.5 Credit

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As animals play an increasingly important role in our lives, scientists have sought to learn more about their health and well-being. This course examines some of the common diseases and treatments for domestic animals. Toxins, parasites, and infectious diseases impact not only the animals around us, but at times humans as well. Through veterinary medicine and science, the prevention and treatment of diseases and health issues is studied and applied.

World Religions: Exploring Diversity - 0.5 Credit

Throughout the ages, religions have shaped the political, social, and cultural aspects of societies. This course focuses on the major religions that have played a role in human history, including Buddhism, Christianity, Confucianism, Hinduism, Islam, Judaism, Shintoism, and Taoism. Students trace major developments in these religions and explore their relationships with social institutions and culture. The course also discusses some of the similarities and differences among the major religions and examines their related connections and differences.

Christian Curriculum

Coming Soon

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Student Support Contact Information

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