



Course Catalog

2024-2025

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AHS Purpose, Mission and Vision

The objective of the school is to support individuals all around the world in fulfilling their educational requirements through online learning. OCAHS strives to be a global institution, catering to students internationally and empowering them with the necessary skills, strategies, values, and mindsets to make meaningful contributions to their families and communities as both national and global citizens. This objective is achieved by offering equal opportunities irrespective of race, color, or religion, while also working towards closing the gap between different socioeconomic backgrounds.

Our Mission

In an environment of intellectual rigor, we cultivate individual creative development that seeks to fully awaken the potential of our students and facilitate their self-driven transformation into global innovative talents. By surpassing mere education and promoting enlightenment, we nurture empathetic lifelong learners who are prepared to take on leadership roles.

Our Vision

Our aim is to establish a global learning community that nurtures personal growth, facilitates the sharing of new knowledge, and enables individuals to fulfill their potentials and aspirations.

Our Values

Compassion, perseverance, passion for learning, creativity, and commitment to excellence.

Graduation Requirements

High School Graduation Designations

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

Elementary School

5010042 1st Grade Language Arts (1 Credit)

The online home schooling curriculum for English follows the common core standards for 1st grade English. School curriculum includes developing skills for reading, writing and listening skills. Students will understand words, spoke, syllables within a word and sounds. Explain the differences between the books that tell stories and give information.

5012030 1st Grade Mathematics (1 Credit)

The Grade 1 math curriculum focuses on understanding the addition and subtraction, understand how numbers relate each other, understanding linear measurements and length units, students work on creating and recognizing shapes.

5020020 1st Grade Science (1 Credit)

The Grade 1 science curriculum is aligned common core. Students are provided an overview about biology, physical science and geology. They explore about the plants, animals, and the earth science.

5021030 1st Grade Social Studies (1 Credit)

The School curriculum follows Florida's Next Generation Sunshine Standards, aligned to social studies standards and focuses on how families interact and the rules they follow. The students will learn about the choices made in history, difference between want and need, holiday's celebration.

5010043 2nd Grade Language Arts (1 Credit)

The online elementary school curriculum for Grade2 English follows the common core standards. The course enhances the reading and writing skills of a student by answering the questions about the story. Students will understand the rhythm, structure and points of view add meaning to the story.

5012040 2nd Grade Mathematics (1 Credit)

The course curriculum is aligned to the common core standards for 2nd grade mathematics. The everyday math curriculum focuses on base-ten notation, counting fives and tens, understanding multi-digit numbers, digits in each place and the addition and subtraction.

5020030 2nd Grade Science (1 Credit)

The Grade 2 home school science curriculum is aligned to Florida's next generation sunshine standards. Students will learn about the gravity and magnets, substances changes from one state to another, plants and animals, key organs in the human body.

5021040 2nd Grade Social Studies (1 Credit)

The Grade 2 online home school curriculum is aligned to Florida's next generation sunshine standards of 2nd grade. The course includes the study about the maps and the globe, discussions about the first Americans, American Indians, their homes and culture.

5010044 3rd Grade Language Arts (1 Credit)

The Grade 3 online home school English curriculum follows the common core standards. The students will learn the difference between literal and non-literal language. Develop the writing skills, students will be able to follow social rules for discussions, staying on topic, linking their comments to others.

5012050 3rd Grade Mathematics (1 Credit)

The Grade 3 math curriculum is aligned to the common core standards and also Next Generation Sunshine Standards. Students will learn multiplication and division and able to solve problems involving single-digit numbers. Learn about the fractions, shapes, area as a property used to describe two-dimensional shapes.

5020040 3rd Grade Science (1 Credit)

The Grade 3 home school science curriculum deals with physical science, biology and the earth science. The students will learn about the plants, animals, ecosystems. Learn about comets, asteroids, meteoroids, and about the contributions of the Galileo to astronomy. Study about types of energy such as light, sound, heat and electricity.

5021050 3rd Grade Social Studies (1 Credit)

The Grade 3 online home school curriculum focuses on United States geography and the people. The students will learn about North America, Mexico, Canada, Caribbean and their maps. They study about the people of these regions and about the historical facts.

5010045 4th Grade Language Arts (1 Credit)

The Grade 4 online elementary school curriculum is aligned to the common core standards. The students in this class will read at least for 20 minutes every day. Students will learn about the vocabulary lessons, learn about grammar, practice reading different literature and learn the writing skills.

5012060 4th Grade Mathematics (1 Credit)

The Grade 4 math curriculum focuses on multi-digit multiplication and division. The students will learn to add and subtract fractions, understand the geometric figures and the properties of two-dimensional objects and use them in solving the problems about symmetry.

5020050 4th Grade Science (1 Credit)

The Grade 4 home school science curriculum is aligned to the common core standards. The students will learn about the matter and its states, elements, atoms and properties of matter. Learn the differences between molecules, compounds and mixture. Study about the solar system, movement of earth.

5021060 4th Grade Social Studies (1 Credit)

The Grade 4 online home school curriculum offers the students in depth look of history of United States and the country's place in the global events. Students will learn about the Native Americans by the region and their customs. The students will learn about the American's role in the First World War.

5010046 5th Grade Language Arts (1 Credit)

The Grade 5 English home school curriculum is aligned to the common core standards. The students will spend 30 minutes on reading every day. Learn about the grammar, vocabulary lessons, practice reading different types of literature and learn the writing skills. The goal of the course is to make each student a good reader and better writer.

5012070 5th Grade Mathematics (1 Credit)

The math curriculum is aligned to the 5th grade common core standards. The School curriculum will focus on addition, subtractions, multiplication and division of fractions. Expand the knowledge in 2-digit divisors and decimal operations and understand the property of three-dimensional space.

5020060 5th Grade Science (1 Credit)

The Grade 5 home school curriculum offers different types of science in order to understand the world around them. The students will review the information about good experiment, solar system and planets, will learn about the planets. Students will study the atomic theory and the states of matter. Study about the law of conservation of energy, electricity its properties and uses in our lives.

5021070 5th Grade Social Studies (1 Credit)

The Grade 5 social curriculum is aligned to the Next Generation Sunshine Standards. The home school curriculum includes the topics about the Native American civilizations, Maya, Inca, and Aztec civilizations. The students will review about the revolutionary war, study about the Government in the United States.

Middle School

Language Arts Courses

1001010 Language Arts Grade 6 (1 Credit)

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

1001040 Language Arts Grade 7 (1 Credit)

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

1001070 Language Arts Grade 8 (1 Credit)

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

Math Courses

1205010 Math Grade 6 (1 Credit)

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

1205040 Math Grade 7 (1 Credit)

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

1205070 Pre-Algebra Grade 8 (1 Credit)

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

Science Courses

2002040 General Science Grade 6 (1 Credit)

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

2000010 Life Science Grade 7 (1 Credit)

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

2003010 Physical Science Grade 8 (1 Credit)

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

Social Studies Courses

2103010 Social Studies Grade 6 (1 Credit)

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)

2106010 Civics Grade 7 (1 Credit)

The seventh 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.

2100010 U.S. History Grade 8 (1 Credit)

The eighth 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.

Middle School Elective Courses

Grade 6-8 requires two electives in each year.

1234510 Digital Citizenship (1 Credit)

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.

1009000 Digital Storytelling (1 Credit)

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.

1234520 Hospitality in Travel & Tourism (1 Credit)

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.

6020044 Introduction to Programming Using Scratch (1 Credit)

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.

0800000 Personal Fitness (1 Credit)

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.

0400000 Theatre (1 Credit)

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

[High School](#)

[Language Arts Courses](#)

1001310 English 1 (1 Credit)

English I provides instruction in the Language Arts strands of the reading process, literary analysis, writing process, writing applications, communication, and information and media literacy. It offers instruction in reading and vocabulary strategies necessary for comprehension of printed materials; research; the writing of effective paragraphs and

multi-paragraph papers, with emphasis upon all stages of the writing process in timed and untimed assessments (prewriting, drafting, revising, editing, publishing); speech instruction including formal and informal presentations; evaluation of mass media; the analysis of genres and the study of language in conjunction with writing, concentrating on conventions of grammar, usage, and mechanics. Technology is incorporated into all aspects of the course.

Prerequisite: N/A

1001340 English 2 (1 Credit)

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

Prerequisite: English 1

1001370 English 3 (1 Credit)

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

Prerequisite: English 2.

1001400 English 4 (1 Credit)

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

Prerequisite: English 3

Mathematics Courses

1200310 Algebra I (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.

Prerequisite: N/A

1200330 Algebra II (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 I or Algebra I 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

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)

1200700 Mathematics for College Readiness (1 credit)

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

Prerequisite: N/A

Science Courses

2000350 Anatomy and Physiology (1 Credit)

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

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

Prerequisite: Teacher Recommendation

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

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

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.

Prerequisite: N/A

2003380 PhysiCS1 (1 Credit)

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

Prerequisite: Algebra 2

2000410 Zoology (1 Credit)

Laboratory investigations that include the use of scientific inquiry, research, measurement, problem solving, laboratory apparatus and technologies, experimental procedures, and safety procedures are an integral part of this course. The National Science Teachers Association (NSTA) recommends that at the high school level, all students should be in the science lab or field, collecting data every week. School laboratory investigations (labs) are defined by the National Research Council (NRC) as an experience in the laboratory, classroom, or the field that provides students with opportunities to interact directly with natural phenomena or with data collected by others using tools, materials, data collection techniques, and models (NRC, 2006, p. 3). Laboratory investigations in the high school classroom should help all students develop a growing understanding of the complexity and ambiguity of empirical work, as well as the skills to calibrate and troubleshoot equipment used to make observations. Learners should understand measurement error; and have the skills to aggregate, interpret, and present the resulting data (National Research Council, 2006, p.77; NSTA, 2007).

Prerequisite: N/A

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 10th Grade

2102335 Economics with Financial Literacy (.5 credit)

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

Prerequisite: Recommended for 11th Grade

2107300 Psychology I (.5 credit)

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

Prerequisite: N/A

2108300 Sociology (.5 Credit)

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

Prerequisite: N/A

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 11th Grade

2109310 World History (1 Credit)

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

Prerequisite: Recommended for 9th Grade

Fine Arts Courses

0100330 Art History and Criticism 1 Honors (1 Credit)

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

Prerequisite: N/A

Physical Education Courses

0800300 Health (.5 Credit)

The purpose of this course is to produce health literate students that make sound decisions and take positive actions for healthy and effective living. The course is wellness oriented and emphasizes responsible decision-making and planning for a healthy lifestyle. The content should include, but is not limited to, the following:

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

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.

Prerequisite: N/A

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

World Languages Courses

0701320 French 1 (1 Credit)

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

Prerequisite: N/A

0701330 French 2 (1 Credit)

Reinforces the fundamental skills acquired by the students in French 1. The course develops increased listening, speaking, reading, and writing skills as well as cultural awareness. Specific content to be covered is a continuation of listening and oral skills acquired in French

Reading and writing receive more emphasis, while oral communication remains the primary objective. The cultural survey of the target language-speaking people is continued.

Prerequisite: French 1

0701380 Advanced Placement - French Language and Culture (1 Credit)

The AP French Language and Culture course emphasizes communication (understanding and being understood by others) by applying the interpersonal, interpretive, and presentational modes of communication in real-life situations. This includes vocabulary usage, language control, communication strategies, and cultural awareness. The AP French Language and Culture course strives not to overemphasize grammatical accuracy at the expense of communication. To best facilitate the study of language and culture, the course is taught almost exclusively in French.

The AP French Language and Culture course engages students in an exploration of culture in both contemporary and historical contexts. The course develops students' awareness and appreciation of cultural products (e.g., tools, books, music, laws, conventions, institutions); practices (patterns of social interactions within a culture); and perspectives (values, attitudes, and assumptions).

Prerequisite: N/A

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.

Prerequisite: N/A

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.

Prerequisite: Spanish 1

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

Honors and AP Courses

English Honors

1001320 English 1 Honors (1 Credit)

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

Prerequisite: Teacher Recommendation

1001350 English 2 Honors (1 Credit)

English 2 Honors promotes excellence in English language arts through the study of world literature. This course provides instruction in universal themes found in world literature as well as in the critical analysis of various genres in that literature. Composition instruction emphasizes the creative, technical, and traditional academic modes of writing through the writing process (prewriting, drafting, revising, editing, and publishing); frequent timed and untimed practice is provided. The study of language includes usage, mechanics, and other

conventions of standard written English as they relate to students' writing. Formal and informal speaking opportunities are provided. Vocabulary study is done in conjunction with reading and literature. Technology is incorporated into all aspects of the course.

Prerequisite: English 1 Honors

1001380 English 3 Honors (1 Credit)

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

Prerequisite: English 2 Honors

1001410 English 4 Honors (1 Credit)

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

Prerequisite: English 3 Honors

English AP

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

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

Prerequisite: N/A

Math Honors

1200320 Algebra 1 Honors (1 Credit)

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

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

Prerequisite: Teacher Recommendation.

1200340 Algebra 2 Honors (1 Credit)

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

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

1206320 Geometry Honors (1 Credit)

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

topology. Calculators and computers will serve as instructional tools in concept development.

Prerequisite: Algebra 1 or equivalent

1202340 Pre-Calculus Honors (1.0 Credit)

This course emphasizes conceptual and graphical understanding of functions. It reinforces critical thinking and keeps pace with the changes in mathematics and its applications. The content of this course includes the study of a variety of function types (polynomial, exponential, logarithmic, periodic, rational), as well as function transformations and function inverses, the Binomial Theorem, mathematical induction, sequences and series, combinatorics and probability, trigonometry, complex numbers, polar coordinates and topics at the onset of Calculus: limits and derivatives. The course provides students with the foundation necessary for the rigors of future mathematics courses, including Calculus. This course also prepares students well for the SAT Subject Test Mathematics Level 2. This course is fast-paced with coverage of Pre-Calculus topics in depth, including problem-solving in most units. Since Honors Pre-Calculus is a college-level course, many of its topics extend beyond the K-12 Mathematics standards.

Prerequisite: Algebra 2 or equivalent

Math AP

1210320 Advanced Placement Statistics (1 Credit)

The purpose of this course is to offer students college-level mathematics under the guideline of the advanced placement program. The focus is on preparation for the statistics test given by the College Examination Board. Topics of study will include exploring data, using measurement in planning a study, producing models using probability and simulation to anticipate patterns, and statistical 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

1202310 Advanced Placement Calculus AB (1 Credit)

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

guidelines of the Advanced Placement Program. The student enrolled in this course will be expected to take the Advanced Placement Examination in Calculus AB. Download a complete course description from the College Board website.

Prerequisite: Math Analysis or Pre-calculus

Science Honors

2000360 Anatomy and Physiology Honors (1 Credit)

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

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

Prerequisite: Teacher Recommendation

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

2003350 Chemistry 1 Honors (1 Credit)

Chemistry I Honors will provide students with an opportunity to study the composition, properties and changes associated with matter. Topics will include but not be limited to: heat, changes of matter, atomic structure, bonding, the periodic tables, formulas, equations, mole concept, gas laws, reactions, solutions, equilibrium systems, and oxidation reduction reactions. Laboratory activities that include the use of the scientific method, measurement, laboratory apparatus, and safety are an integral part of this course.

Prerequisite: Teacher Recommendation

2003390 PhysiCS1 Honors (1 Credit)

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

Prerequisite: Algebra 2

Science AP

2000340 Advanced Placement Biology (1 Credit)

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

Prerequisite: Biology/Biology Honors and Teacher Recommendation

2003370 Advanced Placement Chemistry (1 Credit)

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

Prerequisite: Teacher Recommendation

2003420 Advanced Placement Physics B (1 Credit)

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

Prerequisite: Teacher Recommendation

Social Studies Honors

2100320 United States History Honors (1 Credit)

American History Honors will provide students with the opportunity to acquire an in-depth and comprehensive understanding of the chronological development of the American

people by examining the political, economic, social, religious, military, scientific, and cultural events that have affected the nation. Implicit in this is an understanding of the historical method, the inquiry process, historical reasoning and interpretation, and the issues of external and internal validity.

Prerequisite: Recommended for 11th Grade

2102345 Economics with Financial Literacy Honors (.5 credit)

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

Prerequisite: Recommended for 12th Grade

2109320 World History Honors (1 Credit)

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

Prerequisite: Recommended for 10th Grade

Social Studies AP

2109420 Advanced Placement World History (1 Credit)

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

Prerequisite: Teacher Recommendation

2100330 Advanced Placement United States History (1 Credit)

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

Prerequisite: Teacher Recommendation

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

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

Prerequisite: Teacher Recommendation

2102370 Advanced Placement Macroeconomics (.5 credit)

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

Prerequisite: Teacher Recommendation

2102360 Advanced Placement Microeconomics (.5 credit)

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

Prerequisite: Teacher Recommendation

2107350 Advanced Placement Psychology (1.0 credit)

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

***APEX AP Curriculum Platform**

Academy of Criminal Justice

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

8918010 Criminal Justice Operations (1 Credit)

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

Prerequisite: N/A

2106380 Law & Order: Introduction to Legal Studies (1 Credit)

The primary content for the course pertains to the examination of the American legal system and the nature of specific rights granted under the United States Constitution. Content should include, but is not limited to, the historical antecedents of laws and the basis for the creation of laws, the background, principles and applications of the United States Constitution, the rights protected by the Constitution and precedent-setting cases related to these rights, the process for enacting criminal laws at the state and local levels, the stages of the criminal justice system, the government and private agencies which provide services to individuals accused of crimes, the citizen's role in the legal system, the role of women and diverse cultural groups within the justice system, and careers in the justice system.

Prerequisite: N/A

2002480 Forensic Science 1 (1 Credit)

Laboratory investigations that include the use of scientific inquiry, research, measurement, problem solving, laboratory apparatus and technologies, experimental procedures, and safety procedures are an integral part of this course. The National Science

Teachers Association (NSTA) recommends that at the high school level, all students should be in the science lab or field, collecting data every week. School laboratory investigations (labs) are defined by the National Research Council (NRC) as an experience in the laboratory, classroom, or the field that provides students with opportunities to interact directly with natural phenomena or with data collected by others using tools, materials, data collection techniques, and models (NRC, 2006, p. 3). Laboratory investigations in the high school classroom should help all students develop a growing understanding of the complexity and ambiguity of empirical work, as well as the skills to calibrate and troubleshoot equipment used to make observations. Learners should understand measurement error; and have the skills to aggregate, interpret, and present the resulting data (National Research Council, 2006, p.77; NSTA, 2007).

Prerequisite: N/A

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.

7980040 Entrepreneurship: Starting Your Business (1 Credit)

The purpose of this course is to prepare students with disabilities to pursue entrepreneurship/self-employment. Students will acquire skills needed to explore their potential as entrepreneurs and develop necessary skills to plan and operate a business with support and assistance.

Prerequisite: N/A

8812100 Introduction to Business (1 Credit)

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

Prerequisite: N/A

8827110 Marketing Essentials (1 Credit)

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

Prerequisite: N/A

9200500 Marketing Management (1 Credit)

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

Prerequisite: N/A

Academy of Internet Technologies

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!

02003100 Computer Applications (1 Credit)

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

Prerequisite: N/A

5002000 Introduction to Computers (1 Credit)

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

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

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

Prerequisite: N/A

9007210 Introduction to C++ Programming (1 Credit)

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

Prerequisite: N/A

82071100 Web Design with Dreamweaver (1 Credit)

This course is designed to provide a basic overview of the internet, intranet, and the World Wide Web (www). The content includes operating systems; basic html commands; navigation of the internet, intranet, and web; and web page design.

Prerequisite: N/A

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 American Global School Health Science Careers program helps answer that question. The Health Science Careers program enables juniors and seniors to earn college credits in preparation for a career in a health field.

8417106 Orientation to Nursing (1 Credit)

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

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

Prerequisite: N/A

8111510 Veterinary Science: The Care of Animals (1 Credit)

This course is designed to develop competencies in areas such as the history of the animal industry; applied scientific and technological concepts; safety; terminology; careers; breed identification; animal care and human relations skills.

Prerequisite: N/A

Elective Courses

2101300 Anthropology I: Uncovering Human Mysteries (1 Credit)

Anthropology course consists of the following content area strands: American History, World History, Geography, Humanities, Civics and Government. The primary content emphasis for this course pertains to the study of the differences and similarities, both biological and cultural, in human populations. Students recognize the characteristics that define their culture and gain an appreciation for the culture of others. Content should include, but is not limited to, human biological and cultural origins, adaptation to the physical environment, the diversity of human behavior, the evolution of social and cultural institutions, patterns of language development, family and kinship relationships, and the effect of change on cultural institutions.

Prerequisite: N/A

2001350 Astronomy: Exploring the Universe (1 Credit)

Why do stars twinkle? Is it possible to fall into a black hole? Will the sun ever stop shining? Since the first glimpse of the night sky, humans have been fascinated with the stars, planets, and universe that surrounds us. This course will introduce students to the study of astronomy, including its history and development, basic scientific laws of motion and gravity, the concepts of modern astronomy, and the methods used by astronomers to learn more about the universe. Additional topics include the solar system, the Milky Way and other galaxies, and the sun and stars. Using online tools, students will examine the life cycle of stars, the properties of planets, and the exploration of space.

Prerequisite: N/A

8905100 Cosmetology: Cutting Edge Styles (.5 Credit)

Students will explore career options in the field of cosmetology. Research into some of the common techniques used in caring for hair, nails, and skin in salons, spas, and other cosmetology-related businesses will also be presented.

Prerequisite: N/A.

8800510 Culinary Arts (1 Credit)

This course covers the history of the food service industry and careers in that industry. Also covered are safety in the workplace; employability skills; leadership/teamwork skills; care and use of commercial culinary equipment; basic food science; basic nutrition; and following recipes in food preparation labs.

Prerequisite: N/A

8201310 Digital Photography 1 (1 Credit)

This course provides competencies in photographic history, the production process, intellectual property rights, camera systems, support equipment, basic photography and workflow applications.

Prerequisite: N/A

8806010 Fashion & Interior Design (0.5 Credit)

Do you have a flair for fashion? Are you constantly redecorating your room? If so, the design industry might just be for you! In this course, you'll explore what it is like to work in the industry by exploring career possibilities and the background that you need to pursue them. Get ready to try your hand at designing as you learn the basics of color and design then test your skills through hands-on projects. In addition, you'll develop the essential communication skills that build success in any business. By the end of the course, you'll be well on your way to developing the portfolio you need to get your stylishly clad foot in the door of this exciting field.

Prerequisite: N/A

5632480 Gothic Literature: Monster Stories (1 Credit)

From vampires to ghosts, these frightening stories have influenced fiction writers since the 18th century. This course will focus on the major themes found in Gothic literature and demonstrate how the core writing drivers produce, for the reader, a thrilling psychological environment. 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.

Prerequisite: N/A

1009320 Introduction to Creative Writing (0.5 Credit)

The purpose of this course is to enable students to develop and use grade 9-10 writing and language skills for creative expression in a variety of literary forms. Studying and modeling a variety of genres will be emphasized at this level of creative writing.

Prerequisite: N/A

1006375 Introduction to Social Media: Our Connected World (0.5 Credit)

The purpose of this course is to enable students to develop fundamental skills in the use of social media across print, multimedia, web, and broadcast platforms, including ethical and legal uses.

Prerequisite: N/A

1300300 Music Appreciation: The Enjoyment of Listening (1 Credit)

Students learn how music is constructed and developed, and acquire a basic understanding of the structural, technical, and historical elements of music. Student theorists develop basic ear-training, keyboard, and functional singing skills, and engage in the creative process through individual and collaborative projects. 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.

Prerequisite: N/A

1400300 Peer Counseling (1 Credit)

The purpose of this course is to enable students to develop basic knowledge and skills in communication, meeting human needs, and conflict resolution.

The content should include the following:

- Demonstrate knowledge of the functions and responsibilities of peer facilitators (e.g., listening, confidentiality, team building, conflict resolution, and intervention).
- Demonstrate awareness of varied behavioral responses to situational, environmental, and chemical elements; and the impact of subsequent decision-making on self and others.
- Demonstrate knowledge of basic human needs (e.g., food, clothing, shelter, recognition, development, security, identity) and the ways in which they can be met while developing group cohesion.
- Demonstrate use of basic facilitative communication skills (e.g., listening, questioning, feedback, paraphrasing, nonverbal communication, nonjudgmental response).
- Identify own feelings and needs and communicate them in a positive way.
- Demonstrate awareness of leadership styles (e.g., authoritarian, democratic, permissive).
- Demonstrate awareness of methods for dealing with conflict (e.g., communication, assertion, avoidance, aggression) and steps to resolution (i.e., set rules, gather perspectives, identify needs and goals, create and evaluate options, and generate agreement)
- Make inferences and justify conclusions from sample surveys, experiments, and observational studies.

Prerequisite: N/A

1007300 Public Speaking (1 Credit)

The purpose of this course is to develop students' beginning awareness, understanding, and application of language arts as it applies to oral communication concepts and strategies in a variety of given settings.

Prerequisite: N/A

M899400 Sports & Entertainment Marketing (1 Credit)

This program offers a sequence of courses that provides coherent and rigorous content aligned with challenging academic standards and relevant technical knowledge and skills needed to prepare for further education and careers in the Marketing, Sales and Service career cluster; provides technical skill proficiency, and includes competency-based applied learning that contributes to the academic knowledge, higher-order reasoning and problem-solving skills, work attitudes, general employability skills, technical skills, and occupation-specific skills, and knowledge of all aspects of the Marketing, Sales and Service career cluster.

The purpose of this program is to prepare students for employment or advanced training in the sport, recreation, and entertainment marketing and sales industry. The content includes, but is not limited to, employability skills; selling techniques; public relations and publicity; event planning and execution; and licensing, sponsorship, and endorsements.

Prerequisite: N/A

0400660 Theatre, Cinema and Film Production (1 Credit)

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

Prerequisite: N/A

1009330 Writing for Publication (0.5 Credit)

The purpose of this course is to enable students to develop and use grade 11-12 writing and language skills for creative expression in a variety of literary forms. Studying and modeling a variety of genres will be emphasized at this level of creative writing.

Prerequisite: N/A

468037444 Mythology & Folklore: Legendary Tales (1 Credit)

Beginning with an overview of mythology and different kinds of folklore, students will journey with ancient heroes as they slay dragons and outwit gods, follow fearless warrior women into battle, and watch as clever monsters outwit those stronger than themselves

Prerequisite: N/A

3092168110 Sociology I: The Study of Human Relationships (1 Credit)

Students will examine social problems in our increasingly connected world and learn how human relationships can strongly influence and impact their lives.

Prerequisite: N/A

3172830763 Sociology II: Your Social Life (1 Credit)

Sociology is the study of people, social life, and society. By developing a “sociological imagination” students will be able to examine how society itself shapes human action and beliefs, and how, in turn, these factors reshape society itself!

Prerequisite: N/A

4204635171 Early Childhood Education (1 Credit)

Want to have an impact on the most important years of human development? Students will learn how to create fun and educational environments for children, how to keep the environment safe for children, and how to encourage the health and well-being of infants, toddlers, and school-aged children.

Prerequisite: N/A

2981659825 Real-World Parenting (1 Credit)

What is the best way to care for children and teach them self-confidence and a sense of responsibility? Learn what to prepare for, what to expect, and what vital steps parents can take to create the best environment for their children.

Prerequisite: N/A

2577221847 Personal Psychology I: The Road to Self-Discovery (1 Credit)

Over 800,000 high school students take psychology classes annually, and self- discovery is the most common reason why. Sample topics include the study of infancy, childhood, adolescence, perception, and states of consciousness.

Prerequisite: N/A

2498073670 Personal Psychology II: Living in a Complex World (1 Credit)

Enrich the quality of your life by learning 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.

Prerequisite: N/A

81730221 Philosophy: The Big Picture (1 Credit)

This course provides an exciting adventure that covers more than 2,500 years of history! At the end of this course, you will better understand yourself and the world around you, from atoms to outer space, and everything in between.

Prerequisite: N/A

1771425344 World Religions: Exploring Diversity (1 Credit)

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.

Prerequisite: N/A

2730317626 History of the Holocaust (1 Credit)

Holocaust education requires a comprehensive study of not only times, dates, and places, but also the motivation and ideology that allowed these events. The study of the Holocaust is a multi- disciplinary one, integrating world history, geography, American history, and civics.

Prerequisite: N/A

604719056 Social Problems I: A World in Crisis (1 Credit)

Students will become aware of the challenges faced by social groups as well as learn about the complex relationship among societies, governments, and the individual. Each unit focuses on a particular area of concern, often within a global context.

Prerequisite: N/A

3563683001 Social Problems II: Crisis, Conflicts, and Challenges (1 Credit)

The Social Problems II course continues to examine timely social issues affecting individuals and societies around the globe. Students learn about the overall structure of the social problem as well as how it impacts their lives.

Prerequisite: N/A

3220381143 Law & Order: Introduction to Legal Studies (1 Credit)

By understanding the workings of our court system and how laws are carried out, we become more informed and responsible citizens of our communities and our nation.

Prerequisite: N/A

2085492929 Careers in Criminal Justice (1 Credit)

The criminal justice system offers a wide range of career opportunities. In this course, students will explore different areas of the criminal justice system, including the trial process, the juvenile justice system, and the correctional system.

Prerequisite: N/A

1158369312 Criminology: Inside the Criminal Mind (1 Credit)

This course examines criminology, the study of crime. Why do some individuals commit crimes while others do not? What aspects in our culture and society promote deviance? Why do punishments vary for the same crime?

Prerequisite: N/A

2197960197 Anthropology II: More Human Mysteries Uncovered (1 Credit)

Anthropology helps us better understand cultures around the world and through different time periods. We will continue the studying global cultures, how humans have made sense of their world, and the ways that cultures have understood and given meaning to the stages of life and death.

Prerequisite: *Anthropology I: Human Mysteries Uncovered*

3984307980 Health Science: The Whole Individual (1 Credit)

Will we ever find a cure for cancer? What treatments are best for conditions such as diabetes and asthma? In this course, students examine various disciplines within the health sciences, including pharmaceutical services, clinical medicine, and biotechnology.

Prerequisite: N/A

45332914 *Great Minds in Science: Ideas for a New Generation (1 Credit)*

Is there life on other planets? What extremes can the human body endure? Can we solve the problem of global warming? Each unit takes a look at individual contributions to science and examines how their ideas may help shape tomorrow's world.

Prerequisite: N/A

2242882494 *Forensic Science I: Secrets of the Dead (1 Credit)*

Fingerprints. Blood spatter. DNA analysis. The world of law enforcement is increasingly making use of the techniques and knowledge from the sciences to better understand the crimes that are committed and to catch those individuals responsible for the crimes.

Prerequisite: N/A

2694283097 *Forensic Science II: More Secrets of the Dead (1 Credit)*

This course will build on Forensic Science I and focus on the analysis of evidence within the forensic lab setting. We will examine the scientific principles and knowledge that guide forensic laboratory processes, such as testing DNA, toxicology, and material analysis.

Prerequisite: N/A

1493869823 *Archaeology: Detectives of the Past (1 Credit)*

George Santayana once said, "Those who cannot remember the past are condemned to repeat it." The field of archeology helps us to better understand the events and societies of the past that have helped to shape our modern world.

Prerequisite: N/A

3068365039 *Human Geography: Our Global Identity (1 Credit)*

How do language, religion, and landscape affect the physical environment? How do geography, weather, and location affect customs and lifestyle? We will explore the diverse ways in which people affect and are affected by their surroundings.

Prerequisite: N/A

2488524687 *Introduction to Agri science (1 Credit)*

In this course, students will learn more about the development and maintenance of agriculture, animal systems, natural resources, and other food sources. Students will also examine the relationship between agriculture and natural resources and the environment, health, politics, and world trade.

Prerequisite: N/A

1429102548 Veterinary Science: The Care of Animals (1 Credit)

As animals play an increasingly important role in our lives, scientists have sought to learn more about their health and well-being. This course will examine some of the common diseases and treatments for animals.

Prerequisite: N/A

1236286889 Art in World Cultures (1 Credit)

Who is the greatest artist of all time? Students will explore the basic principles and elements of art, learn how to critique art, and examine some of the traditional art of the Americas, Africa, and Oceania in addition to the development of Western art.

Prerequisite: N/A

2531622242 Middle School Photography: Drawing with Light (1 Credit)

How does an artist capture a story? What makes a great picture? In this course, students learn and apply fundamental skills to use a camera and take photographs of animals, people, and landscapes.

Prerequisite: N/A

4005906053 Middle School Journalism: Tell Your Story (1 Credit)

Who? What? When? Where? In this course, students will learn how to gather information, organize ideas, format stories for different forms of news media, and edit their stories for publication.

Prerequisite: N/A

3603395258 Introduction of Manufacturing: Production Design & Innovation (1 Credit)

In this course, you'll learn about the types of manufacturing systems and processes used to create the products we buy every day. You'll also be introduced to the various career opportunities in the manufacturing industry including those for engineers, technicians, and supervisors.

Prerequisite: N/A

1212181411 Middle School Career Exploration (1 Credit)

What career are you best suited for? In this course, students will explore career options in many different fields including business, health science, public administration, the arts, and information technology.

Prerequisite: N/A

2084691271 Introduction to Women's Studies: A Personal Journey Through Film (1 Credit)

This course, although looking specifically at the experiences of women, is not for girls only. Any student interested in exploring the world through film and open minded enough to be interested in social change, this course is for you.

Prerequisite: N/A

2850759917 The Lord of the Rings: An Exploration of the Films & Their Literary Influences (1 Credit)

The Lord of the Rings is one of the most popular stories in the modern world. In this course, you will study the movie versions of J.R.R. Tolkien's novel and learn about the process of converting literature to film. You will explore fantasy literature as a genre and critique the three Lord of the Rings films.

Prerequisite: N/A

2240838117 Health Science II: Patient Care & Medical Services (1 Credit)

Health Science II is designed to further the student's understanding of the health care workplace, including patient and caregiver interactions and how various members of the health care team work together to create an ethical, functional and compassionate environment for patients.

Prerequisite: Health Sciences: The Whole Individual

3030761003 Theater, Cinema & Film Production (1 Credit)

Lights! Camera! Action! This course will introduce students to the fundamentals of film and theater productions. Students will learn about the basics of lighting, sound, wardrobe, and camera work for both film and theater settings.

Prerequisite: N/A

3278700758 Biotechnology: Unlocking Nature's Secrets (1 Credit)

In today's world, biotechnology helps us grow food, fight diseases, and create alternative fuels. In this course, students will explore the science behind biotechnology and how this science is being used to solve medical and environmental problems.

Prerequisite: N/A

2174490204 Principles of Public Service: To Serve & Protect (1 Credit)

When we think about public service, our thoughts often turn to professionals such as police officers, EMTs, and firefighters. While these are well-known public servants, many others work to keep our communities safe, healthy, and productive. Students will explore different areas of public service including education, civil engineering, and social services.

Prerequisite: N/A

3737934719 Entrepreneurship: Starting Your Business (1 Credit)

Do you dream of owning your own business? This course can give you a head start in learning about what you'll need to own and operate a successful business. Students will explore creating a business plan, financing a business, and pricing products and services

Prerequisite: N/A

1919232951 Personal & Family Finance (1 Credit)

How do our personal financial habits affect our financial future? How can we make smart decisions in the areas of saving, spending? and investing? Students will learn more about topics such as taxation, financial institutions, credit, and money management.

Prerequisite: N/A

3268036176 International Business: Global Commerce in the 21st Century (1 Credit)

From geography to culture, global business is an exciting topic in the business community today. This course is designed to help students develop the appreciation, knowledge, skills, and abilities needed to live and work in a global marketplace.

Prerequisite: N/A

2625423838 Hospitality and Tourism: Traveling the Globe (1 Credit)

One of the fastest-growing industries in the world is hospitality and tourism. This course introduces students to all aspects of the industry, including hotel and restaurant management, cruise ships, spas, resorts, theme parks, and more.

Prerequisite: N/A