

COURSE CATALOG

ELEMENTARY SCHOOL COURSE LISTINGS

Art Courses:

Arts – Grade Kindergarten

Course Code: 5001010

Kindergarten art includes exploratory experiences that introduce a variety of concepts and ideas, art and digital media and processes, and the safe use of materials. Students learn art vocabulary, terms, and procedures during the creative process that help them describe and talk about their work.

Arts – Grade 1

Course Code: 5001020

Grade one art includes experimenting with a variety of concepts and ideas in art and digital media and processes while using materials correctly and safely to convey personal interests. Students use accurate art vocabulary, terms, and procedures during the creative process to describe and talk about their work.

Arts – Grade 2

Course Code: 5001030

Grade two art includes experimenting with a variety of two- and three-dimensional concepts and ideas in art and digital media and processes. Materials are correctly and safely applied to convey personal interests and self-expression. Students use accurate art vocabulary, terms, and procedures with resources and time-management skills during the creative process. Attributes of artworks from individuals, cultures, and time are identified, described, and discussed.

Art - Intermediate 1

Course Code: 5001040

Grade three* art incorporates a variety of two- and three-dimensional concepts and ideas in art and digital media and processes. Materials are correctly and safely applied to convey personal interests and self-expression. Observation skills, prior knowledge, and art criticism skills are employed to reflect on and interpret works of art. Students use accurate art vocabulary, terms, and procedures with resources and time-management skills during the creative process.

Art - Intermediate 2

Course Code: 5001050

Grade four* art incorporates a variety of two- and three-dimensional concepts and ideas in art and digital media and processes to convey meaning and relevance. Materials are correctly, safely, and responsibly applied to achieve diverse effects and meet established criteria. Observation skills, prior knowledge, and art-criticism skills are employed to reflect on and revise works of art. During the creative process, students use accurate art vocabulary, terms, and procedures, as well as time-management and collaborative skills.

Art - Intermediate 3

Course Code: 5001060

Grade five* art incorporates a variety of two- and three-dimensional concepts and ideas in art and digital media and processes to influence personal artistic decisions and create visual unity. Materials are correctly, safely, and responsibly applied to achieve diverse effects and meet established criteria. An art-criticism process leads to a hypothesis about the meanings of creative products and utilitarian objects. Observation skills and prior knowledge are employed to reflect on and revise personal works of art. During the creative process, students use accurate art vocabulary, terms, and procedures, as well as time-management and collaborative skills.

Language Arts Courses:

Language Arts - Grade Kindergarten

Course Code:5010041

This Kindergarten Language Arts course will teach students to identify and write all letters, produce letter sounds and also frequently used phonograms. Students will also master weekly sight words and reading and comprehension strategies to grow as readers. All Common Core K LA standards are met in this course.

Language Arts - Grade One

Course Code:5010042

This First Grade Language Arts course will teach students to identify and write all letters, produce letter sounds and also frequently used phonograms. Students will also master weekly sight words and reading and comprehension strategies to grow as readers. All Common Core 1 LA standards are met in this course.

Language Arts - Grade Two

Course Code:5010043

The 2nd Grade Language Arts course will teach students to spell and write vocabulary, read more fluently, apply grammar concepts, and participate in handwriting and writing activities through thematic units. Students will also continue to master weekly sight words and reading and comprehension strategies to grow as readers. All Common Core 2 LA standards are met in this course.

Language Arts - Grade Three

Course Code:5010044

This Third Grade Language Arts course will teach students to reading comprehension skill and strategies to help them become stronger readers. Students will also master weekly spelling and vocabulary words and grammar concepts that will help them become stronger writers. All Common Core Third Grade LA standards are met in this course.

Language Arts - Grade Four

Course Code:5010045

The 4th grade Language Arts curriculum integrates reading, writing, speaking, listening, and the study of vocabulary and grammar in a way that engages today's learners and supports them in building a broad and diverse set of literacy skills. Students study classic literature as well as more contemporary forms, including media and multimedia products. Writing assignments in semester A focus on narrative and persuasive modes and emphasize the use of reasoning and details to support opinions. Each writing assignment spans several lessons and guides students through a writing process that begins with prewriting and ends by emphasizing one or more aspects of conventions of standard written English.

Students also learn how to participate in collaborative discussion and peer review sessions. In each lesson, engaging and relevant models and step-by-step instruction guide students toward mastery and appreciation of 21st century communication in all its forms and functions.

Like semester A, semester B provides an integrated curriculum. Whereas the first semester focuses on skills needed to read fiction and other literary prose, semester B teaches specific skills for reading poetry, drama, informational text. In the second semester of the course, students learn how informational text differs from literary text and how different forms of information text differ from each other. Writing assignments emphasize expository writing and guide students through research projects. Near the end of the semester, students learn how to present information orally and using multimedia.

Language Arts - Grade Five

Course Code: 5010046

The 5th grade Language Arts curriculum integrates reading, writing, speaking, listening, and the study of vocabulary and grammar in a way that engages today's learners and supports them in building a broad and diverse set of literacy skills. Students study classic literature as well as more contemporary forms, including media and multimedia products. Writing assignments in semester A focus on narrative and persuasive modes and emphasize the use of reasoning and details to support opinions. Each writing assignment spans several lessons and guides students through a writing process that begins with prewriting and ends by emphasizing one or more aspects of conventions of standard written English.

Students also learn how to participate in collaborative discussion and peer review sessions. In each lesson, engaging and relevant models and step-by-step instruction guide students toward mastery and appreciation of 21st century communication in all its forms and functions.

Like semester A, semester B provides an integrated curriculum. Whereas the first semester focuses on skills needed to literary text, semester B focuses on skills for reading and analyzing informational text. In the second semester of the course, students learn how informational text differs from literary text and how different forms of information text differ from each other. Writing assignments emphasize expository writing and guide students through research projects. Near the end of the semester, students learn how to present information orally and using multimedia.

Mathematics Courses:

Grade Kindergarten Mathematics

Course Code: 5012020

During the first semester students will learn foundational math facts. They will learn to count to 12, how to compare sizes, ordinal numbers putting items in order, what a number line is and its uses, basic measurements such as inches and feet, and how to tell time on digital and analog clocks.

Students will have many opportunities to practice these new concepts by interacting with online confirmation exercises and filling out worksheets offline.

A special emphasis this semester is for students to have fun with numbers, finding success with concepts such as bigger and smaller and being comfortable in an online environment.

Students learn to count to twenty. They work with comparing objects using the terms tall, longer, and shorter as well as comparing two objects using the terms lighter and heavier. They will continue their exploration of basic geometric shapes such as cones and spheres. They will work with the concept of first, middle, and last.

Arranging and sorting receive special emphasis this semester. Students will also work on writing numbers with 3, 4, and 5 given special attention. Students will learn the concepts of left and right. Coins are also a focus as students will count pennies, nickels and dimes. Finally, the number 7 is studied using the colors of the rainbow. Projects include making paper fingers and thumbs and creating designs with them. They will also make the numbers 1-10 out of dough.

Grade One Mathematics

Course Code: 5012030

During the first semester students will build fluency with basic math facts. They will learn to count to 100, basic addition and subtraction facts, and how to add double-digit numbers. Students will be introduced to such new concepts as word problems, Venn diagrams, and basic geometric concepts. There is an emphasis

on learning practical skills such as reading thermometers, looking at maps, and understanding the value of coins.

Students will have multiple opportunities to practice new skills and knowledge through using integrated online practice problems.

During the second semester students will begin counting by twos, fives, and tens. They will learn both vertical addition and subtraction. Students are introduced to multiplication and division and the signs used in those operations. They will also study even and odd numbers.

Students continue their exploration of geometric shapes through drawing and apply what they learn about shapes by sorting various figures in Venn diagrams. They will also use a balance beam to understand the concept of weight – lighter versus heavier.

Grade Two Mathematics

Course Code: 5012040

During the first semester students will build fluency with basic math facts and add and subtract within 100 to solve word problems using strategic methods. Students will also manipulate numbers to 1000 using knowledge of hundreds, tens, and ones. Lastly, students will demonstrate arrays with repeated addition.

During the second semester students will use place value to add and subtract within 1000. They will use place value to estimate and solve word problems to demonstrate skills. Students will measure and compare length and represent it on a number line. They will work with money and time to compare value. Students will collect data and represented on graphs to discuss it. Lastly, they will recognize common 2 dimensional and 3 dimensional shapes by specific characteristics.

Grade Three Mathematics

Course Code: 5012050

During the first semester, students will build flexibility with numbers as they master addition and subtraction facts as well as multiplication and division facts. Students will understand relationships between addition and subtraction, multiplication and addition and multiplication and division as they learn to borrow, carry, and regroup in order to find sums and differences of two whole numbers up to 10,000. Students will also comprehend the place value of base ten numbers up to 1,000,000 in order to find patterns and make estimations. Lastly, they will implement a 4-step approach to solving problems and express numbers differently including translating them into Roman Numerals or expressing them as ordinal numbers.

During the second semester, students will explore concepts of measurement including linear measurement, weight, volume, temperature, and time. They will also recognize, compare, and convert fractions. Students will write amounts of money and make change using as few coins as possible. Lastly, students will examine lines, polygons, and solid figures as they are introduced to basic concepts of geometry.

Grade Four Mathematics

Course Code: 5012060

Grade 4 math uses a varied amount of instructional material to reinforce and teach new math skills to the 4th grade learners. Instruction includes creative videos, mathematical storytelling, practical math applications and repetition to reinforce skills throughout the course. Three areas are focused on, and students will finish the course with a strong knowledge in these content areas. The first is developing an understanding and fluency with multi-digit multiplication and developing the understanding of dividing to find quotients involving multi-digit dividends. The second is developing an understanding of fraction equivalence, addition and subtraction of fractions with like denominators, and multiplication of fractions with whole numbers. The third will be addressed in semester B.

Semester B of grade 4 math has learners continuing to work with fractions. They will learn to multiply fractions and convert them to decimals. Students will also begin to learn to equivalent measurements of length, weight, mass, and capacity. They will also learn helpful skills in understanding time, distance, and money. Students will develop an understanding that geometric figures can be analyzed and classified based on their properties, such as having parallel sides, perpendicular sides, particular angle measures, and symmetry. Lessons on rectangles, line plots, angles, figure drawing, polygons, and symmetry will be taught. Semester B

continues to use varied forms of instruction that allow students to learn these skills in a practical manner.

Mathematics - Grade Five

Course Code: 5012070

Students will learn math topics outlined in this course drawing from a variety of sources, including hands-on activities, interactive lessons, and practical math applications. Students will focus on several critical areas including but not limited to developing fluency with addition, subtraction, multiplication, and division of fractions. They will also learn to extend division to 2-digit divisors, integrate decimal fractions into the place value system, and increase an understanding of operations with decimals to hundredths. They will develop a fluency with whole numbers and decimal operations. The semester begins with operations and expressions, moves into decimals and money, and ends with more work on fractions. Learners will gain valuable skills as they carry out activities that model real life situations like grocery shopping throughout the semester.

Semester B begins with students continuing to work with fractions. The first lesson focuses on ratios and challenges students to solve word problems using fractions and ratios in practical life situations. Learners continue to strengthen their math skills by studying mixed and fraction products, and fraction application, models, and division. The third critical area that students will focus on in Grade 5 Math is volume. Students will receive lessons in measurement of length, weight, and volume. They will end the course with a focus on geometry. Varied types of instruction are used to enhance their learning, including video and real life applications, activities, and creative projects.

Science Courses:

Science - Grade K

Course Code: 5020010

In Kindergarten Science, students in this course will use their senses to explore their world. Students experience nature walks, gardening, and imitative games by exploring varying concepts.

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Science - Grade 1

Course Code: 5020020

In First Grade Science, students in this course will complete projects that are designed to allow for exploration and discovery. Students observe their surroundings and through observations of the natural world conduct inquiries into topics related to their healthy development.

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Science - Grade Two

Course Code: 5020030

Second Grade Science introduces students to the process of observation and how important it is to the study of science. Learners will identify their five senses and why they are critical to observation.

Students will use these observation skills throughout the course as they examine many different types of animals and their environments. Students begin by observing ants in their own environments and continue onto learning the different types of birds. Students will come to understand plant and animal rhythms and will perform small experiments with plants. Stories will be used to teach the students about nature and interactions that humans have with nature. They will continue to learn about animals and their characteristics habitats, and needs. Students will learn through video, audio stories, hands-on participation, and observation with nature. The teachers will conduct live assessments for the topics that had been covered throughout the week's lessons. Grade 2 Science provides students with the opportunity to expand their minds and see for themselves the way that animals and nature are a part of their everyday lives.

Semester B of Second Grade Science begins with the students learning the characteristics of the Weaverbird and Swiftlet bird. Learners will come to understand the different groupings of animals including those with vertebrates, invertebrates and warm- and cold-blooded animals, carnivores, herbivores and omnivores. Learners will be asked to recall the five senses that they discussed at the beginning of the course and compare them to the senses of animals. They will also learn how animals communicate and the relationship between animals and humans. The course ends with the students taking a closer look at the characteristics of reptiles, insects, birds of prey, and fish. At the close of the course students will have a deeper understanding and appreciation of animals and their habitats.

Science - Grade Three

Course Code: 5020040

Third grade science introduces students to experimentation as they journey through the earth and its many miracles. They will begin by learning about the earth, the sun and the moon. By participating in simple experiments students will explore the water cycle, gravity, the weather and its patterns, various types of terrain, and the role of plants in the production of oxygen and their importance to human survival. Learners will expand their knowledge through video, pictures, short readings, projects, and hands on experiments. Learners will understand that experiments require the use of instruments, observation, recording, and drawing evidence-based conclusions. Grade 3 science provides students with the opportunity to expand their minds and see for themselves the way that science is a part of their everyday lives.

Semester B of third grade science begins with the students writing a poem about the seasonal cycles. The learners continue with root formation, the interdependence of plants and humans, biomes of land and sea, extreme weather, rocks, vertebrates and invertebrates, as well as extinction. All of these lessons are taught using video, projects, and experimentation. Semester B asks learners to look a bit deeper into things they encounter such as the ocean and weather.

Science - Grade Four

Course Code: 5020050

Grade 4 Science includes the three main domains of science which are physical, life, and earth and space science. Learners will use various kinds of experimenting, including field studies, systematic observations, models, and controlled experiences. The course begins with the explanation of the scientific method which the students continue to use and build upon throughout the course. The big picture of the earth is examined as students review the life on planet earth, salt and fresh water, and fast and slow changes that occur on the planet. Students go beyond planet earth, though, as they study galaxies, the solar system and other planets. Students examine the ways that forces and motion can be measured and the concept that a single kind of matter can exist as a solid, liquid or gas. Grade 4 science uses many modes of instruction including video presentations, enrichment activities, and hands-on experimentation.

Semester B of Grade 4 Science focuses on the relationship between heat, light, sound, and electrical energy and the way they can be transferred between each other. Learners distinguish between natural objects and objects made by humans as they examine technology and the role it plays in science.

Students also look at life cycles of animals, plants, and humans and how they interact with each other. The course ends by looking at the ways that humans interact with the environment. Students will use research skills, watch videos, and get their hands dirty as they complete projects that require them to dig through dirt and trash in order to learn broader lessons that have to do with helping the environment.

Science - Grade Five

Course Code: 5020060

Grade 5 Science continues to build on the science skills that have been obtained in years previous. There will be an emphasis on earth and space science, life science, and physical science. Students will begin the course by focusing on earth and space science by looking at the solar system and planets.

Students will come to an understanding of the concept of the earth as a sphere and the earth's place in the solar system. The course continues with a focus on physical science and the different tools that can measure force, time, and distance. They will also grow in their understanding of how light and sound travel

and interact with each other as well as the different types of energy. The semester concludes with a look into life science and the ways that organisms are interconnected. Instruction will include real life application, hands-on projects and assessments, and video and short research projects.

Semester B puts great emphasis on life science and begins by focusing on the many ecosystems of the earth and the way that all parts of ecosystems depend on each other. Students will learn the different types of ecosystems that exist. They will learn that ecosystems change and how the changes affect their ability to support their populations. Learners will examine plants; that they have different structures and how those structures allow them to respond to different needs. Students will also grow in their understanding of the importance of good nutrition to all living organisms. The course concludes with a look into the scientific process and the importance of investigations and conclusions in the study of science. Instruction will include real life application, hands-on projects and assessments, and video and short research projects.

Social Studies Courses:

Social Studies Grade K

Course Code: 5021020

This course introduces students to their place in the community and the responsibilities of being a member of society. Great figures of U.S. history such as Pocahontas, George Washington and Abraham Lincoln are a focus of learning in this semester. Students will also learn about everyday heroes, the responsibilities of pet ownership, the importance of rules, table manners, and eating well.

A skill that students will practice throughout the semester is retelling stories. Students may do this by recording audio, retelling the stories orally, or writing their observations. They will learn how to use details and basics of narratives. Projects will help students think about what pets need and defining emotions.

In the second semester students are introduced to map reading skills. They will be taught to read maps of the U.S. and the world. From learning about location to how water is represented to floor plans, students are introduced to map skills that will last a lifetime.

Students will also learn about symbols of the U.S. such as the American flag and the eagle. From there students learn about holidays with a particular focus on Thanksgiving.

Another focus is on currency. They will be introduced to what money is, how money can be spent, the power of buying locally, and the difference between wants and needs.

Projects will include a piece on distinguishing facts from fiction, buying locally, and focusing on the differences between needs and wants.

Social Studies Grade 1

Course Code: 5021030

In this semester, students begin to explore basic fundamentals of social studies including map skills, cardinal directions, and will begin to examine maps of the U.S. and the globe. Students will also be introduced to important figures from American history such as Pocahontas, George Washington, Abraham Lincoln, and Clara Barton.

A skill that students will practice throughout the semester is retelling stories. Students may do this by recording audio, retelling the stories orally, or writing their observations. They will learn how to use details and basics of narratives.

Students will also make maps of their homes, neighborhoods, as well as a personal timeline.

The second semester has a focus on introductory economics. They will study bartering, goods and services, jobs in the community, and how the marketplace works.

Another focus is on positive character traits such as honesty, what the aspects of personal responsibility are, and how to help and respect others. Historic figures such as Clara Barton and characters from fiction and folklore are used as models for teaching positive traits.

Students will continue practicing their five finger retelling skill with assignments on Martin Alonso (a sailor with Columbus) and George Washington.

Projects will help students think about thoughtful words, showing respect, and being honest. Learners will write, draw, and perform in these projects.

Social Studies Grade 2

Course Code: 5021040

In second grade, students in this course will begin to explore the basic fundamentals of social studies including culture, geography, and economics. Students will explore the Ancient Cultures of China, Africa, and the Celts. Students will explore these cultures through ancient folk tales and fables. Learners will create a photo book that describes the significant events in their own life. They will also examine the importance of geography and direction. Students will learn how to locate boundaries while using a world map. Students will identify the places that were discussed in the previous lessons including Africa, China, and the British Isles. They will develop a rudimentary understanding of map symbols as they locate continents, the equator, and oceans. Students will also learn to identify on a road map where they live, rivers, mountain ranges and lakes nearby their homes. Learners will follow a step-by-step approach for successfully completing each lesson, which includes storytelling, repetition, projects, arts and crafts, and videos.

The second semester begins by introducing learners to economics and the role that money plays in every civilization. They will take a closer look at the economy of the Celtic people. Students learn the difference between natural, human, and capital resources. Learners will begin to understand the exchange of money for goods and services. They will gain a basic understanding of what scarcity is and why it is good that we do not always get everything that we want. Students will understand these concepts by drawing upon their understanding of the desires/wishes in their own lives. Students will also learn about desirable human qualities through the use of fables such as “The Boy Who Cried Wolf.” Learners will look at individuals who have made a difference in the greater community. Students will learn about Rosa Parks and Susan B. Anthony through short stories. The end of the course asks learners to examine the diversity of the community they live in. They will be asked to recognize the different types of people around them. Students should gain an appreciation for the differences around them and how having respect for others and being honest will contribute to society as a whole. Learners will follow a step-by-step approach for successfully completing each lesson, which includes storytelling, repetition, projects, arts and crafts, and videos.

Social Studies Grade 3

Course Code: 5021050

In third grade, social studies students will begin to explore the basic fundamentals of social studies including geography, civics, and economics. Learners will begin by looking at the beginning of civilization and examining the ancient Hebrew civilization, the Phoenicians, and the Kush tribe of ancient Africa. They will then move on to examining the Native American tribes of the Cherokee, Sioux, and Hopi. Students will also look at the first explorers of the Americas and learn about the beginning of the United States. In the first semester students will learn important geographical factors in the ancient civilizations, Native American tribes and in the developing United States. Students will increase their skills by creating maps and looking at the landscapes. They will take a close look at their own personal heritage by mapping their ancestry. Learners will follow a step-by-step approach for successfully completing each lesson, which includes storytelling, repetition, projects, arts and crafts, and videos.

The second semester begins with introducing learners to economics and the role that money plays in every civilization. Students learn the difference between natural, human, and capital resources. They also examine the production of goods, trade, specialization, and interdependence, and come to understand the importance that each individual plays in a society’s economy. Learners are introduced to Civics by discussing the governmental structure of the Ancient Hebrews and Phoenicians. The purpose and importance of laws and how they are enacted as well as the establishment of government are shown through stories of the Ancient Phoenicians and Native Americans. The course ends by discussing the purpose and nature of government as it relates to the United States.

Social Studies Grade 4

Course Code: 5021060

In Semester A of Social Studies 4, students will explore the early development of the United States. Students will explore the early Native Americans and interactions with early European Settlers and the establishment of the American colonies and early American government.

Students will learn about important documents in the founding of the United States and the establishment of rules and laws that has led to the formation of the federal and state governments as we know them today. Students will have the opportunity to explore their own state government and learn more about the rules and regulations that govern where they live.

In Semester B of Social Studies 4, students will expand on their learning from Semester B, and work their way through American History to post-WWII and science and inventions that started shaping the modern-day United States.

Various concepts including economics, the environment, and American geography will be explored to give students a better idea of all the facets that shape American lives today.

Social Studies Grade 5

Course Code: 5021070

Grade 5 Social Studies combines the study of United States History through the Civil War with a geographical exploration of the United States and what it has to offer. Students will use their understanding of social studies skills and concepts as they study the development of the United States. The first semester begins with early settlements of North America and allows learners to take an in-depth look into what life was like for colonists and Native Americans. Students will come to understand the causes of the Revolutionary War and the people that played a significant role in it. The semester ends with students examining the new nation and what life was like for European immigrants and those on the frontier. Students will learn through the use of video, journaling, and varied types of creative instruction. Semester B begins with an exploration of the west and what life was like for those looking to find gold. Learners will then look at slavery and what led to the Civil War. The course then takes a departure from American history and takes a more in-depth look into cultures, people, and the geography of the United States from past to present. Learners will have the opportunity to explore the country region by region and come to appreciate all that it has to offer. Students will conclude the course by planning and describing a trip they would like to take to a particular place within the 50 United States. Students will take a hands-on approach as they get to know the geography, climate and culture of their country. Video, creative projects involving technology, journaling, and varied assessments will be used throughout the course.

Physical Education Courses:

Physical Education - Grade K

Course Code: 5015020

Physical Education - Grade 1

Course Code: 5015030

Physical Education - Grade 2

Course Code: 5015040

Physical Education - Grade 3

Course Code: 5015050

Physical Education - Grade 4

Course Code: 5015060

Physical Education - Grade 5

Course Code: 5015070

World Language Courses:

Elementary Spanish

Course Code: 5007020

Spanish-Elementary introduces students to the target language and its culture. Students will learn beginning skills in listening and speaking and an introduction to basic skills in reading and writing. Also, culture, connections, comparisons, and communities are included in this one-year course.

This course shall integrate the Goal 3 Student Performance Standards of the Florida System of School Improvement and Accountability as appropriate to the content and processes of the subject matter. It also must reflect appropriate Next Generation Sunshine State Standards benchmarks and Florida Standards for English language arts and mathematics.

The standards and benchmarks listed for this course are aligned with the expected levels of language proficiency, rather grade levels.

MIDDLE SCHOOL COURSES

Course titles followed by (ADV) are also available as Advanced.

Electives

Business Leadership Skills

Course Code: 8200120

The purpose of this course is to provide a comprehensive exploration of the core business themes. Students are exposed to concepts that may be further studied in individual programs in grades 9-12. Students will rotate through a content which includes accounting, administrative support, digital publishing, entrepreneurship, international business, management and software applications.

Prerequisites: None. Credits .5

M/J Career Research and Decision Making

Course Code: 1700060

This course gives students the opportunity to explore their interests and align them to career opportunities. Throughout this course, students participate in self-assessment activities to help them become aware of their aptitudes, values, and skills. Career clusters are highlighted to provide students with an understanding of the education and training necessary for desired careers. Students also set goals to make informed career decisions. After completing this course, students have skills in communication, teamwork, problem solving, and time management for workplace success.

Prerequisites: None. Credits .5

M/J Comprehensive PE – Grades 6/7

Course Code: 1508060

This course is designed for 6th and 7th grade students and intended to be 18 weeks in length. The purpose of this course is to provide a foundation of knowledge, skills, and values necessary for the development of a physically active lifestyle. The course content provides exposure to a variety of movement opportunities and experiences which includes, but is not limited to: Fitness Activities, Educational Gymnastics and Dance, and Team Sports. The integration of fitness concepts throughout the content is critical to student success in this course and in the development of a healthy and physically active lifestyle. Prerequisites: None. Credits .5

M/J Comprehensive PE – Grades 7/8

Course Code: 1508070

This course is designed for 7th and 8th grade students and is intended to be 18 weeks in length. The purpose of this course is to build on previously acquired knowledge, skills, and values necessary for the implementation and maintenance of a physically active lifestyle. The course content provides exposure to a variety of movement opportunities and experiences which include but is not limited to: Outdoor Pursuits/Aquatics, Individual/Dual Sports and Alternative/Extreme Sports. The integration of fitness concepts throughout the content is critical to student success in this course and in the development of a healthy and physically active lifestyle. Prerequisites: None. Credits .5

M/J Critical Thinking, Problem Solving and Learning Strategies

Course Code: 1700100

This course teaches students how to find important information quickly, transfer it from short- to long-term memory, and perform better on assignments and tests. The course teaches students specific strategies to use in any content area in their academic studies to become more efficient learners. Students will feel confident in their abilities to link new information to what they already know. As 21st century learners, students have big demands on their time. This course helps them find balance and prioritize the things they need to accomplish, both short and long term. Finally, the most well rounded student is one who can think critically in all aspects of life, academic and nonacademic. Through real-world situations, students use oral and written communication to build better relationships and take pride in the ownership of their actions and words. Prerequisites: None. Credits 1.0

M/J Exploring Two-Dimensional Art

Course Code: 0101005

Students investigate a wide range of media and techniques, from both an historical and contemporary perspective, as they engage in the art-making processes of creating two-dimensional works, which may include drawing, painting, printmaking, and/or collage. Student artists reflect on their own artwork and that of others through critical analysis to achieve artistic goals related to craftsmanship, technique, and application of 21st-century skills. Opportunities are provided for creative decision-making in the context of the structural elements of art and the organizational principles of design. This course incorporates hands-on activities and consumption of art materials. Prerequisites: None. Credits 0.5

M/J Fitness – Grade 6

Course Code: 1508000

This fitness course is designed for 6th grade students and intended to be 18 weeks in length. 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. Prerequisites: None. Credits .5

M/J Journalism 1

Course Code: 100600

The purpose of this course is to enable students to develop fundamental skills in the production of journalism across print, multimedia, web, and broadcast/radio platforms and to become aware of journalism history, careers, ethics use, and management techniques related to the production of journalistic media. Prerequisites: None. Credits .5

Language Arts Courses:

M/J Language Arts 1 (ADV)

Course Codes: 1001010, Adv: 1001020

In this course, you'll read short stories and novels, listen to music, read newspapers, and even

interview your parents. There will be information about vocabulary, grammar and getting the punctuation right. Prerequisites: 6th Grade Standing. Credits 1.0

M/J Language Arts 2 (ADV)

Course Codes: 1001040, Adv: 1001050

In this course, you will read and listen to other people's words. You will analyze what they are saying and how they are saying it. You will read everything from newspapers to novels. Prerequisites: 7th Grade Standing. Credits 1.0

M/J Language Arts 3 (ADV)

Course Codes: 1001070, Adv: 1001080

The purpose of this course is to give you the tools to understand and express who you are and where you want to go. By the end of the course, your portfolio of writings will give you a descriptive self-portrait of a young adult growing up. Prerequisites: 8th Grade Standing. Credits 1.0

Mathematics Courses:

M/J Accelerated Mathematics Grade 7

Course Codes: 1205050

In grade 7 accelerated, instructional time will emphasize six areas: (1) representing numbers in scientific notation and extending the set of numbers to the system of real numbers, which includes irrational numbers; (2) generating equivalent numeric and algebraic expressions including using the Laws of Exponents; (3) creating and reasoning about linear relationships including modeling an association in bivariate data with a linear equation; (4) solving linear equations, inequalities and systems of linear equations; (5) developing an understanding of the concept of a function and (6) analyzing two-dimensional figures, particularly triangles, using distance, angle and applying the Pythagorean Theorem.

Curricular content for all subjects must integrate critical-thinking, problem-solving, and workforce-literacy skills; communication, reading, and writing skills; mathematics skills; collaboration skills; contextual and applied-learning skills; technology-literacy skills; information and media-literacy skills; and civic-engagement skills. Prerequisites: 7th Grade Standing. Credits 1.0

M/J Grade 6 Mathematics (ADV)

Course Codes: 1205010, Adv: 1205020

This course is designed to engage you at every turn. You will have opportunities to demonstrate your knowledge on number manipulation by applying them to real world scenarios. Prerequisites: 6th Grade Standing. Credits 1.0

M/J Grade 7 Mathematics (ADV)

Course Codes: 1205040, Adv: 1205050

This course gives plenty of opportunity to create, investigate, and demonstrate mathematical knowledge at both the intermediate and advanced levels. Prerequisites: 7th Grade Standing. Credits 1.0

M/J Grade 8 Pre-Algebra

Course Codes: 1205070

The instruction in this course will focus on three critical areas: (1) analyzing two- and three- dimensional space and figures using distance, angle, similarity, and congruence, and understanding and applying the Pythagorean Theorem; (2) grasping the concept of a function and using functions to describe quantitative relationships; (3) formulating and reasoning about expressions and equations, including modeling an association in bivariate data with a linear equation, and solving linear equations and systems of linear

equations. Prerequisites: 8th Grade Standing.
Credits 1.0

Natural Sciences Courses:

M/J Comprehensive Science 1 (ADV)

Course Codes: 2002040, Adv: 2002050

This course provides an introduction to Science, Energy, Force, Weather, Climate, The Earth's Systems, and the Living World. Prerequisites: 6th Grade Standing. Credits 1.0

M/J Comprehensive Science 2 (ADV)

Course Codes: 2002070, Adv: 2002080

In this course students explore: The Foundations of Science, Energy, The Earth and its features, The Earth's internal and external structures and how they change, The Earth's history, living things and how they change and interact, Genetics and Heredity, and The Organization of the living world. Prerequisites: 7th Grade Standing. Credits 1.0

M/J Comprehensive Science 3 (ADV)

Course Codes: 2002100, Adv: 2002110

Topics covered in this course include: The Nature of Science, Earth and Space Science, Properties of Matter, Changes in Matter, Matter and Energy, and Energy flow in the living world. Prerequisites: 8th Grade Standing. Credits 1.0

Social Sciences Courses:

M/J Civics (ADV)

Course Codes: 2106010, Adv: 2106020

Learning about civics gives students the skills and knowledge necessary to be active citizens who have a positive impact on their communities. In this course, students discover the rights and responsibilities of citizenship in the United States. They learn about the structure of the government and how it works at the local, state, and federal levels. This course examines elections, the lawmaking process, and how citizens can impact public policy. Students also discover ways the United States interacts with countries around the world. Geography and economics support the learning of civics in this course. Engaging in this study prepares students to be informed citizens who are ready to participate in the American democracy! Prerequisites: 7th Grade Standing. Credits 1.0

M/J United States History (ADV)

Course Codes: 2100010, Adv: 2100020

You will investigate history by using the tools of a historian to examine the historical, geographic, political, economic, and sociological events that influenced the development of the United States. Prerequisites: 6th grade or 8th grade standing. Credits 1.0

M/J World History (ADV)

Course Codes: 2109010, Adv: 2109020

Somebody discovered the wheel. Somebody discovered written communication. Somebody even figured out how to count to ten. From the ancient river civilizations to China and its ancient dynasties, different civilizations left their mark on history. They also left their mark on how we live today. In this course, students join travel agent Mr. Lightfoot to travel back in time digging out the past of these ancient civilizations. In ancient Egypt students visit the pyramids and find out the secrets of preserving mummies. They see how the Mayans developed astronomy to a precise science. They even investigate the difference between the

Athenians and the Spartans. Students will journey through India discovering their contributions to medicine, moving on to Africa to follow the rise and fall of the ancient east African kingdoms of Kush and Axum. Throughout the centuries, and still today, our world is made up of dozens of different cultures. They all are different, and they all have made big contributions to what we know and who we are. Prerequisites: 6th Grade Standing. Credits 1.0

World Languages Courses:

M/J Spanish Beginning

Course Code: 0708000

You will acquire the skills to read, write and speak in Spanish. You will also learn the basic Spanish grammar that will make your sentences come out right. Prerequisites: None. Credits 1.0

M/J Spanish Intermediate

Course Code: 0708010

You will learn how to speak Spanish in many practical and useful situations that will apply to your everyday environment. You will learn how to greet people, introduce yourself, speak about your family, your home, food, sports, weather and your likes and dislikes. Prerequisites: Successful completion of M/J Spanish Beginning or equivalent. Credits 1.0

HIGH SCHOOL COURSE LISTINGS

High School, Grades 9-12

Course titles followed by (HON) are also available as Honors.

Electives

Art History and Criticism 1 Honors

Course Code: 0100330

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

Prerequisites: None. Credits 1.0

Art in World Cultures

Course Code: 0100320

Who is the greatest artist of all time? Is it Leonardo DaVinci? Claude Monet? Michelangelo? Pablo Picasso? Is the greatest artist of all time someone whose name has been lost to history? You will learn about some of the greatest artists while also creating art of your own, including digital art. We 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. Prerequisites: None. Credits .5

Business Management and Law/Level 3

Course Code: 8812120

This course is designed to provide an introduction to business management techniques. Topics include human relations, decision making, communication techniques, business law concepts, and characteristics of the American enterprise system. Credits 1.0

Business Ownership/ Level 3

Course Code: 8812000

The purpose of this course is to prepare students as entrepreneurs, present entrepreneurship as a career path that is worth consideration, provide students with the skills needed to realistically evaluate their potential as a business owner, and develop the fundamental knowledge and skills necessary to start and operate a business. Credits 1.0

Career Research and Decision Making

Course Code: 1700380

The purpose of this course is to further develop the career planning competencies mandated by section 1003.4156, Florida Statutes. This course will enable students to make informed career choices and develop the skills needed to successfully plan and apply for college or a job. The content includes, but is not limited to, the following: goal-setting and decision-making processes, self-assessment, sources of career information, occupational fields and educational requirements - postsecondary education and training opportunities - writing, listening, viewing, and speaking skills for applications and interviews, financial planning and sources of educational financial assistance and career planning.

Prerequisites: None. Credits .5

Creative Writing 1

Course Code: 1009320

For many hundreds of years, literature has been one of the most important human art forms. It allows us to give voice to our emotions, create imaginary worlds, express ideas, and escape the confines of material reality. Through creative writing, we can come to understand ourselves and our world a little bit better. This course provides students with a solid grounding in the writing process, from finding inspiration to building a basic story to using complicated literary techniques and creating strange hybrid forms of poetic prose and prose poetry. By the end of this course, students will learn how to discover their creative thoughts and turn those ideas into fully realized pieces of creative writing. Prerequisites: None. Credits .5

Critical Thinking and Study Skills

Course Code: 1700370

Get better grades and higher test scores and increase your success in high school. If you are already a good student, you will learn new study skills and testing skills that will help you get even better. If you struggle in school, this course will give you the Success Mindsets, study skills, and testing skills to perform at new levels. You will learn the ACE test-taking method to increase your score on key tests such as the ACT, SAT, and tests for graduation. Prerequisites: None. Credits .5

Criminal Justice Operations 1

Course Code: 8918010

In Criminal Justice Operations 1, a one-credit course, is designed to introduce students to the fields of law enforcement, the court system, and the correctional system. This course provides technical skill proficiency, industry content knowledge and competency-based applied learning that contributes to the higher-order reasoning and problem-solving skills, work attitudes, general employability skills, technical skills, and occupation-specific skills, needed in all aspects of Law, Public Safety and Security Careers. This course is about criminal justice and its development. Due to the nature of this subject, the material can be very detailed and, in some cases, shocking. The lab projects involve all aspects of the various professions in order to present a

complete picture. Prerequisites: None. Credits 1.0

Culinary Arts 1/ Level 2

Course Code: 8800510

Thinking of a career in the food service industry or looking to develop your culinary skills? This introductory course will provide you with basic cooking and knife skills while preparing you for entry into the culinary world. Discover the history of food culture, food service, and global cuisines while learning about food science principles and preservation. Finally, prepare for your future by building the professional, communication, leadership, and teamwork skills that are crucial to a career in the culinary arts.

Did you know that baking is considered a science? Building on the prior prerequisite course, discover how to elevate your culinary skills through the creation of stocks, soups, sauces, and learn baking techniques. Examine sustainable food practices and the benefits of nutrition while maintaining taste, plating, and presentation to truly wow your guests. The last unit in this course explores careers in the culinary arts for ways to channel your newfound passion! Credit 1.0

Culinary Arts 2 / Level 2

Course Code: 8800520

Baking, Pastry, and More! Whether you aspire to be a world-class chef or just want to learn the skills needed to create your own dishes, Culinary Arts 2 will help you build a strong foundation and grow your knowledge of this exciting industry. In this course, you will explore baking and desserts, learn how to prepare proteins, and study nutrition and safety in the kitchen. You will also enhance your understanding of sustainability in the food industry, learn to prepare meals from a global perspective, and dissect the business of cooking, from managing a kitchen to successfully running a catering company. Discover the delights that await you on this delicious culinary adventure! Credits 1.0

Cybersecurity Essentials / Level 3

Course Code: 9001330

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 cybersecurity-related careers in the Information Technology 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 cybersecurity. Credits 1.0

Driver Education/Traffic Safety Class

Course Code: 1900300

Students will study the Highway Transportation System, road signs, rules of the road, accident avoidance, and making good choices behind the wheel. Students will begin to develop the skills necessary to become safe, responsible Florida drivers. Students will view many road simulations throughout the course designed to help increase their knowledge of real-world driving. This course is a Driver's Safety course and does not satisfy the State of Florida requirements for an insurance discount nor count as credit for any of the required Driver's courses. Credits .5

Forensic Science 1

Course Code: 2002480

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. Forensic science applies scientific knowledge to the

criminal justice system. This course focuses on some of the techniques and practices used by forensic scientists during a crime scene investigation (CSI).

Starting with how clues and data are recorded and preserved, students examine some of the basic scientific

principles and knowledge that guides forensic laboratory processes, such as those testing DNA, toxicology, and material analysis. Techniques such as microscopy, chromatography, odontology, entomology, mineralogy, and spectroscopy are examined. Prerequisites: 10-12th grade status recommended. Credits 1.0

Foundations of Programming

Course Code: 9007210

Foundations of Programming will teach students the fundamentals of programming using the computer language Python. The course provides students with the concepts, techniques, and processes associated with computer programming and software development. Students will also explore the many programming career opportunities available in this high-demand field.

Prerequisites: Digital Information Technology recommended. Credits 1.0

Hospitality and Tourism Entrepreneurship/Level 3

Course Code: 8703130

The purpose of this course is to provide with the academic and technical preparation to pursue high-demand and high-skill careers in hospitality related industries. In addition, this course is designed so that performance standards meet employer expectations, enhancing the employability of students.

Prerequisites: None. Credits 1.0

Introduction to Hospitality and Tourism /Level 2

Course Code: 8850110

With greater disposable income and more opportunities for business travel, people are traversing the globe in growing numbers. As a result, hospitality and tourism is one of the fastest growing industries in the world. This course will introduce students to the hospitality and tourism industry, including hotel and restaurant management, cruise ships, spas, resorts, theme parks, and other areas. Student will learn about key hospitality issues, the development and management of tourist locations, event planning, marketing, and environmental issues related to leisure and travel. The course also examines some current and future trends in the field.

Prerequisites: None. Credits 1.0

Journalism 1

Course Code: 1006300

Understanding the role of the free press in America helps students to be better informed and more able to analyze media. In this course, students explore the history of journalism in the United States from its inception in the colonies and its key role in the 1st Amendment, all the way up to present-

day issues regarding “right to know” and the changing landscape of journalistic media in the 21st century.

Students acquire the skills and information needed to actively participate in the consumption, analysis, and creation of news media and have the opportunity to investigate the constantly evolving career opportunities within the field of journalism.

As students work through each module, they use Web 2.0 tools to respond to current news and shifts in journalism, create original projects, and reflect on the changing face of news. Authentic assessments, interactive examples, and self-checks deepen students’ understanding of the topics covered and prepare them for work or further study in the field of journalism. Prerequisites: None. Credits 1.0

Law Studies

Course Code: 2106350

Laws affect the lives of American adults and teenagers differently. In this course, students examine laws and court decisions that apply to all citizens, as well as those that specifically outline the rights of teenagers.

Students gain a greater understanding of the foundations of the United States government and legal system as they review the principles outlined in the founding documents. In addition to studying criminal and civil law, students also explore life events covered under family law and the legal protections given to consumers. Students are challenged to investigate Supreme Court rulings and apply them to situations faced by teenagers.

The course offers students the chance to express and support their opinions about changing public policies and current legal issues. The focus is on understanding legal concepts and how to find answers about legal questions, rather than memorizing case information and technical details; the ultimate goal is to provide students an opportunity to earn an elective credit through interaction with engaging content. Prerequisites: None. Credits .5

Leadership Skills Development

Course Code: 2400300

In this course, students will acquire new power to succeed in high school, college, and life. Students will learn how to take action by pressing their Turbo Button, manage their time by staying in the Lasting Zone, chart their goals by creating a North Star, and many other proven leadership techniques developed by Mawi

Learning, a leadership training organization that has worked with more than one million students. Whether

students are struggling or already at the top of their game, Leadership Skills Development will give them new power to create the life of their dreams.

Prerequisites: None. Credits 1.0

Music of the World

Course Code: 1300340

Students explore the musical traditions of 20th- and 21st-century American and global communities around the world through study of current trends, focusing on the function of music within various cultures (e.g., jazz, world drumming, mariachi, soul, gamelan, Bollywood, digital). Students examine and report on human activities involving music, technology- and culture-related influences on music, and the sounds and structures of music composition. Public performances may serve as a resource for specific instructional goals. Students may be required to attend one or more performances outside the school day to support, extend, and assess learning in the classroom. Prerequisites: None. Credits 1.0

Peer Counseling 1

Course Code: 1400300

The purpose of this course is to enable students to develop basic knowledge and skills in communication, meeting human needs, and conflict resolution. Prerequisites: None. Credits .5

Personal Finance and Money Management (HON)

Course Code: 2102371, Hon: 2102373

In Personal Finance and Money Management, instructional time will emphasize seven areas:

- (1) exploring how personal financial decisions are made, including understanding how cognitive biases impact decision making;
- (2) understanding how wages and salaries are earned, including the types of taxes owed, and evaluating various post-secondary paths and career options;
- (3) developing personal or family budgets and exploring how to purchase goods and services by weighing the costs and benefits of those goods and services;
- (4) analyzing how interest can be earned by saving now, which allows for the purchase of more goods and services later and understanding how to compare various savings accounts and services offered through financial institutions;
- (5) determining advantages and disadvantages of credit accounts that allow for the borrowing of money to purchase goods and services while paying for them in the future, usually with interest, and short- and long-term loans;

(6) developing understanding of planning for the future through investment accounts and retirement plans and comparing investment choices by analyzing rates of return and risk, while analyzing how diversification is one way to reduce investment risk; and

(7) recognizing that there are risks that can result in lost income, health, or identity and that those risks can be accepted, reduced, or transferred to others through the purchase of insurance.

Curricular content for all subjects must integrate critical-thinking, problem-solving, and workforce-literacy skills; communication, reading, and writing skills; mathematics skills; collaboration skills; contextual and applied-learning skills; technology-literacy skills; information and media-literacy skills; and civic-engagement skills.

Principles of Entrepreneurship

Course Code: 8812110

This course provides instruction in the basic principles of entrepreneurship including the role of the entrepreneur, entrepreneurship as a career, ethics in business, and the principles of marketing, financing, and managing a business. There is no occupational completion point after the completion of this course.

Prerequisites: None. Credits 1.0

Psychology 1

Course Code: 2107300

The purpose of this course is to introduce you to the psychological facts, principles, and phenomena associated with each of the subfields within psychology. Prerequisites: None. Credits .5

Social Media 1

Course Code: 1006375

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.

Prerequisites: None. Credits .5

Sociology

Course Code: 2108300

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

Prerequisites: None. Credits .5

Theatre, Cinema and Film Production

Course Code: 0400660

In Theatre, Cinema, and Film Production, a one-credit course, students explore the elements of theater and cinematic techniques used by those who create performance productions. As students' progress through the course they view the historical development of different genres and the reasons why they were used.

Students reflect upon how a production has been affected by the events surrounding its date of creation and how productions affect audiences that view them. This course offers a detailed view of film and theater backstage operations while allowing the student to speculate on why a director chooses certain perspectives.

Students are asked to apply what they have learned in end of module lab projects. Prerequisites: None.

Credits 1.0

English Courses:

English 1 (HON)

Course Codes: 1001310, Hon: 1001320

This course defines what students should understand and be able to do by the end of 9th grade. Knowledge acquisition should be the primary purpose of any reading approach as the systematic building of a wide range of knowledge across domains is a prerequisite to higher literacy. At this grade level, students are working with universal themes and archetypes. They are also continuing to build their facility with rhetoric, the craft of using language in writing and speaking, using classic literature, essays, and speeches as mentor texts. Prerequisites: None. Credits 1.0

English 2 (HON)

Course Codes: 1001340, Hon: 1001350

Through the study of literature, nonfiction, and life, we will explore what it means to be human, what it means to be fulfilled, triumphant, empowered, and transformed. Prerequisites: English 1 recommended. Credits 1.0

English 3 (HON)

Course Codes: 1001370, Hon: 1001380

In this course, you'll gain an appreciation of American literature and the ways it reflects the times in which it was written. You'll discover how people thought and lived and wrote about their experiences. Prerequisites: English I and II recommended. Credits 1.0

English 4 (HON)

Course Codes: 1001400, Hon: 1001410

You will be guided through a series of literary pieces that allow you to analyze the political, social, economic, and cultural messages of its time as well as its relevance to the world you live in today. Prerequisites: English I, II and III recommended. Credits 1.0

Mathematics Courses:

Algebra 1 (HON)

Course Codes: 1200310, Hon: 1200320

This course is designed to give you the skills and strategies for solving all kinds of mathematical problems. It will also give you the confidence that you can handle everything that high school math has in store for you. Prerequisites: Successful completion of Pre-Algebra or equivalency. Credits 1.0

Algebra 2 (HON)

Course Codes: 1200330, Hon: 1200340

This course will begin with a review of basic algebra, travel through systems of equations, factoring, and radical and quadratic equations in the first segment. In the second segment, you will venture into the realms of polynomial functions, rational equations, exponential and logarithmic relations, landing at sequences and series. Prerequisites: Successful completion of Algebra I. Credits 1.0

Calculus (HON)

Course Code: 1202300

Students in this course will walk in the footsteps of Newton and Leibnitz. An interactive text and graphing software combine with the exciting on-line course delivery to make calculus an adventure. The course includes a study of limits, continuity, differentiation, and integration of algebraic, trigonometric, and transcendental functions, and the applications of derivatives and integrals.

Prerequisites: Algebra I; Geometry; Algebra II and Pre-Calculus or Trigonometry/Analytical Geometry. Credits 1.0

Geometry (HON)

Course Codes: 1206310, Hon: 1206320

Throughout this course, we'll take you on a mathematical highway illuminated by spatial relationships, reasoning, connections, and problem solving. Prerequisites: Successful completion of Algebra I. Credits 1.0

Mathematics for College Liberal Arts

Course Code: 1207350

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

Prerequisites: None. Credits 1.0

Mathematics for College Algebra

Course Code: 1200710

In Mathematics for College Algebra, instructional time will emphasize five areas: (1) developing fluency with the Laws of Exponents with numerical and algebraic expressions; (2) extending arithmetic operations with algebraic expressions to include rational and polynomial expressions; (3) solving one-variable exponential, logarithmic, radical and rational equations and interpreting the viability of solutions in real-world contexts; (4) modeling with and applying linear, quadratic, absolute value, exponential, logarithmic and piecewise functions and systems of linear equations and inequalities; (5) extending knowledge of functions to include inverse and composition. Prerequisites: None. Credits 1.0

Mathematics for Data and Financial Literacy (HON)

Course Codes: 1200384, Hon: 1200388

In Mathematics for Data and Financial Literacy, instructional time will emphasize five areas: (1) extending knowledge of ratios, proportions and functions to data and financial contexts; (2) developing understanding of basic economic and accounting principles; (3) determining advantages and disadvantages of credit accounts and short- and long-term loans; (4) developing understanding of planning for the future through investments, insurance and retirement plans and (5) extending knowledge of data analysis to create and evaluate reports and to make predictions. Credits 1.0

Pre-Calculus Honors

Course Code: 1202340

Students, as mathematic analysts, investigate how advanced mathematics concepts are used to solve problems encountered in operating national parks. As students venture from algebra to trigonometry, they analyze and articulate the real-world application of these concepts. The purpose of this course is to study functions and develop skills necessary for the study of calculus. This course includes algebra, analytical geometry, and trigonometry. Prerequisites: Algebra I; Algebra II; Geometry. Credits 1.0

Probability and Statistics Honors

Course Code: 12103000

In Probability and Statistics Honors, instructional time will emphasize four areas: (1) creating and interpreting data displays for univariate and bivariate categorical and numerical data; (2) comparing and making observations about populations using statistical data, including confidence intervals and hypothesis testing; (3) extending understanding of probability and probability distributions and (4) developing an understanding of methods for collecting statistical data, including randomized trials. Prerequisites: None. Credits 1.0

Natural Sciences Courses:

Anatomy and Physiology (HON)

Course Codes: 2000350, Hon: 2000360

Explore the organization of the human body and how it works. Acquire knowledge necessary to understand what the body is doing and how you can help the body cope with many different situations. Body systems will be studied in order to understand how their structure, location, and function allow for interaction with other

parts of the body. Prerequisites: Biology I recommended. Credits 1.0

Biology 1 (HON)

Course Codes: 2000310, Hon: 2000320

This course provides an in depth look at the fundamental characteristics of living organisms. It is designed to promote scientific inquiry and discovery. The students will be introduced to the structure, function, diversity, and evolution of living matter. Prerequisites: None. Credits 1.0

Chemistry 1 (HON)

Course Codes: 2003340, Hon: 2003350

This course is designed to serve as a foundation for the study of Chemistry. The utilization of scientific inquiry, web 2.0 tools, interactive experiences, higher order thinking, collaborative projects, real world application through labs and a variety of assessments all aid the student in ultimately demonstrating a vast understanding of the importance of Chemistry in the world around them; enabling them to apply these properties to their everyday lives. Prerequisites: Algebra I. Credits 1.0

Marine Science 1 (HON)

Course Codes: 2002500, Hon: 2002510

In the marine science course, students will delve deep into Earth's bodies of water and study geologic structures and how they impact the oceans. Students will investigate characteristics of various populations, patterns of distribution of life in our aquatic systems, and ongoing changes occurring every day in our precious ecosystems. Prerequisites: Biology I. Credits 1.0

Physical Science (HON)

Course Codes: 2003310, Hon: 2003320

Topics include forces and motion, energy through waves, electricity and magnetism, the matter around us, chemical bonding and reactions. This course is designed to serve as a foundation for the study of the physical sciences. Prerequisites: None. Credits 1.0

Physics 1 (HON)

Course Codes: 2003380, Hon: 2003390

You'll learn the concepts, theories and laws that govern the interaction of matter, energy and forces. From tiny atoms to galaxies with millions of stars, the universal laws of physics are there for you to observe and apply. Prerequisites: Algebra I; Algebra II recommended. Credits 1.0

Physical Education Courses:

Fitness Lifestyle Design

Course Code: 1501310

In this course, you will improve your flexibility, enhance your cardiovascular fitness, and increase your strength and endurance. This course will help you experience the benefits of exercise, good diet and proper weight. Prerequisites: None. Credits .5

HOPE-Physical Education (Core)

Course Code: 3026010

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. Prerequisites: None. Credits 1.0

Personal Fitness

Course Code: 1501300

By taking this course you will feel the difference, both physically and mentally. You will start by assessing

your current physical condition. By the end of the course, you will have developed the kind of healthy habits that will last a lifetime. Prerequisites: None. Credits .5

Social Sciences Courses:

Economics (HON)

Course Codes: 2102310, Hon: 2102320

Economic decisions affect us every day of our lives. Understanding economics means thinking about how scarcity, or limited resources, requires us to make choices and evaluate one option against others. In this course, you will recognize examples of economics in your daily life. You will see how the economic choices of larger groups, like businesses and governments, affect you and others. As you progress through the course, you will recognize that the costs and benefits of choices connect individuals and groups around the world.

The purpose of this course is to help you become a smart consumer who understands the flow of an economy between individuals, businesses, governments, and the rest of the world. Prerequisites:

Recommended for 11th grade or higher. Credits .5

United States Government (HON)

Course Codes: 2106310, Hon: 2106320

You will gain a greater understanding on the history of the country's beginnings, and knowledge of how government functions at the local, state and national levels. Prerequisites: Recommended for 11th grade or higher. Credits .5

United States History (HON)

Course Codes: 2100310, Hon: 2100320

In this course, you will look at some of the most profound questions that thoughtful Americans still debate. You will research many important events throughout the history of America. In the process, you will witness the development of America from its first settlers to today's superpower status.

Prerequisites: Recommended for 11th Grade. Credits 1.0

World History (HON)

Course Codes: 2109310, Hon: 2109320

Students will use knowledge pertaining to history, geography, economics, political processes, religion, ethics, diverse cultures, and humanities to solve problems in academic, civic, social, and employment settings. Prerequisites: None. Credits 1.0

World Languages Courses:

Chinese 1 (Check for availability)

Course Code: 0711300

In this course, students learn the basic Chinese language. At the very beginning, the course starts by introducing students to a general knowledge of Pinyin, Mandarin Chinese, Chinese dialects, and

Chinese characters. After one semester, students will be able to engage in conversation in Chinese including greeting people, introducing themselves to others, and exchanging basic information with others. Students learn to count from 1 to 1000 and make simple sentences in both spoken and written Chinese. They also learn 160 "magical" Chinese characters and use them on a variety of topics. As students walk through the units step by step, they get to know not only the language itself, but also the culture in which the language takes place and keeps developing. Prerequisites: None. Credits 1.0

French 1

Course Code: 0701320

In this course, students learn the basic French language. After one semester, students will be able to engage in conversation in French including greeting people, introducing themselves, and exchanging basic information with others. Students learn to count from one to 1,000 and make simple sentences in both spoken and written French. Students continue to develop their French skills in semester two.

New words and phrases are introduced with pictures, audio clips, and examples. Students learn basic French grammar to help them build fluency and understand the structure of the French language. Students have many opportunities to practice what they learn through interactive practice activities in the form of games, written practice, and listening and speaking exercises. Students also explore the cultures of France, Canada, and other French-speaking regions by learning about geography, foods, celebrations, and traditions from each place. Bon Voyage! Enjoy the trip! Credits 1.0

French 2

Course Code: 0701330

The purpose of this course is to further develop the French communicative skills of listening, speaking, reading and writing. In French II, students will broaden their French vocabulary and knowledge of grammar. Students will also experience the beauty and expressiveness of a language that is shared by different people and cultures throughout the world. Prerequisites: French I, or equivalent. Credits 1.0

Spanish 1

Course Code: 0708340

¡Bienvenidos! Welcome! Students are taking a virtual trip to Spain, Cuba, Colombia, and Argentina. As students explore each country, a student blogger is there to help them learn about the place and its unique characteristics. As students travel to each country, they learn how to speak Spanish in many practical and useful ways. Students learn how to greet people, introduce themselves, and speak about their home, family, school, and community. As students learn basic vocabulary and grammar skills, they expand on their knowledge and learn to speak about more complex topics such as shopping, weather, sports, entertainment, and leisure activities. The course introduces new words and phrases with pictures, audio clips, and examples. Students learn basic Spanish grammar to help

them build fluency and understand the structure of the Spanish language. There are many opportunities to practice through interactive activities in the form of games, written practice, and listening and speaking exercises. Students also explore the cultures of Spain, Cuba, Colombia, and Argentina by learning about geography, foods, celebrations, and traditions from each place. Student bloggers guide students through these countries and help them appreciate and learn about their diversity. Prerequisites: None. Credits 1.0

Spanish 2

Course Code: 0708350

In Spanish II, students travel virtually through Central America and the Caribbean, spending time in museums, traffic jams, and even the hospital. In this course, students broaden their Spanish vocabulary and their knowledge of grammar. They meet people from many different countries and cultures. While waiting for the plane ride home, students also meet some Spanish-speaking people from different parts of the United States. The purpose of this course is to strengthen Spanish listening, speaking, reading, and writing skills. Students also experience the beauty and expressiveness of a language that is shared by different people and cultures throughout the world. Prerequisites: Spanish I, or equivalent. Credits 1.0

Spanish 3 Honors

Course Code: 0708360

In Spanish III, students will meet and virtually accompany four teens with Hispanic backgrounds as they learn about and travel to several Spanish-speaking countries. Students have many opportunities to use the Spanish they already know as well as to expand their vocabulary, knowledge of grammar, and experiences with Spanish speaking countries. The purpose of this course is to provide many

experiences where students can use Spanish.

Completely immersed in Spanish, students speak, listen, read, write, and collaborate with other students in Spanish this course. They also gain knowledge and perspectives about Spanish-speaking countries and from Spanish-speaking people. Prerequisites: Spanish I and Spanish II. Credits 1.0

Spanish 4 Honors

Course Code: 0708370

Spanish 4 expands the skills acquired by the students in Spanish 3. Specific content includes, but is not limited to, more advanced language structures and idiomatic expressions, with emphasis on conversational skills. There is additional growth in vocabulary for practical purposes, including writing. Reading selections are varied and taken from the target language newspapers, magazines, and literary works.

Spanish 5 Honors

Course Code: 0708380

Spanish 5 expands the skills acquired by students in Spanish 4. Specific content to be covered includes, but is not limited to, developing presentational speaking skills through oral reports on literary and cultural topics, current events, and personal experiences. Reading selections include newspaper and magazine articles, adaptations of short stories and plays, and surveys of target language literature. Interpretive writing is enhanced through compositions using correct language structures.

Advanced Placement Courses:

AP Art History

Course Code: 0100300

This course is designed to provide college-level instruction in art history and prepare students for the AP exam in early May. This course is divided into two 18-week semesters, during which students examine major forms of artistic expression from the past and present and from a variety of cultures. Students learn to look at works of art critically, with intelligence and sensitivity, and to articulate what they see or experience. Prerequisites: World History recommended Credits 1.0

AP Biology

Course Code: 2000340

This challenging course is designed to provide a college-level experience and prepare students for the AP exam in early May. Over two semesters, students are engaged in a wide variety of activities, with substantial emphasis

on interpreting and collecting data in virtual labs, writing analytical essays, and mastering biological concepts and connections. The key themes of the AP Biology course are the scientific processes, the effects of science on technology and society, the chemistry and make-

up of living organisms, genetics, diversity, and evolution. Throughout this course, students are expected to answer questions, analyze data, discuss real-world connections, and complete lab activities. The primary emphasis is to develop an understanding of concepts rather than memorizing terms and technical details. Prerequisites: Algebra recommended. Credits 1.0

AP Calculus AB

Course Code: 1202310

This course consists of a full high school year of work that is comparable to calculus courses in colleges and universities. Students who complete an AP course in calculus seek college credit, college placement, or both from institutions of higher learning. An interactive text, graphing software, and math symbol software combine with the exciting online course delivery to make calculus an adventure. This course is designed to prepare students for the AP Calculus AB exam given each year in May. With continuous enrollment, students can start the course and begin working on calculus as early as spring of the previous year. Prerequisites: Algebra I, Geometry, Algebra II and Pre-Calculus or Trigonometry/Analytical Geometry. Credits 1.0

AP Calculus BC

Course Code: 1202320

This course consists of a full high school year of work comparable to calculus courses in colleges and universities. Students who complete an AP course in calculus seek college credit, college placement, or both from institutions of higher learning. An interactive text, graphing software, and math symbol software combine with the exciting online course delivery to make calculus an adventure. This course is designed to prepare students for the AP Calculus BC exam given each year in May. With continuous enrollment, students can start the course and begin working on calculus as early as spring of the previous year.

Prerequisites: Algebra I, Geometry, Algebra II and Pre-Calculus or Trigonometry/Analytical Geometry.

Credits 1.0

AP Computer Science Principles

Course Code: 0200335

AP Computer Science Principles introduces students to foundational concepts of computer science and challenges them to explore how computing and technology can impact the world.

Prerequisites: None. Credits 1.0

AP English Language and Composition

Course Code: 1001420

This course provides high school students with college-level instruction in studying and writing various kinds of analytic or persuasive essays on literary and nonliterary topics in language, rhetoric, and expository writing. Students become skilled readers of prose written in various periods, disciplines, and rhetorical contexts. Both reading and writing should make students aware of the interactions among a writer's purposes, audience expectations, and subjects as well as how writing conventions and language contribute to effectiveness in writing. This course will effectively prepare students for the AP Exam by enabling them to read, comprehend, and write about complex texts while developing further communication skills on a college level. Prerequisites: English I and II. Credits 1.0

AP English Literature and Composition

Course Code: 1001430

For a year, students participate in an Advanced Placement upscale dining experience in the AP English

Literature and Composition course. Students act as food critics of exquisite literary cuisine. Menu items include reading, analyzing, writing, rewriting, and discussing creations by the master chefs—renowned authors. With intensive concentration on composition skills and on authors'

narrative techniques, this dining experience equips students with recipes for success in college, in a career, and on the AP exam. Prerequisites: English I, II and III. Credits 1.0

AP Environmental Science

Course Code: 2001380

The goal of AP Environmental Science is to provide students with the scientific principles, concepts, and methodologies required to understand the interrelationships of the natural world and to identify and analyze environmental problems that are natural, and human made. Students will evaluate the relative risks associated with these problems and examine alternative solutions for resolving or preventing problems. Laboratories support student content mastery in both hands-on and virtual experiences. Prerequisites: Algebra I and two years of high school science. Credits 1.0

AP Human Geography

Course Code: 2103400

The AP® Human Geography course is designed to provide college level instruction on the patterns and processes that impact the way humans understand, use, and change Earth's surface. Students use geographic models, methods, and tools to examine human social organization and its effect on the world in which we live. Students are challenged to use maps and geographical data to examine spatial patterns and

analyze the changing interconnections among people and places. Prerequisites: None. Credits 1.0

AP Macroeconomics

Course Code: 2102370

You have been called upon to assist the leader of the Macro Islands who is running for reelection next year. The economy is in shambles, and you need to come up with some feasible solutions. This will not only help the people of the Macro Islands but will also ensure a victory for your employer. You were hired through the

Internet and are being invited to travel first class to the Macro Islands where you can learn firsthand about the situation. You arrive at Pineapple Airport in the middle of the day and are met by a man with a briefcase who is holding a sign with your name on it. You approach the man and introduce yourself. "I'm Mr. Scarcity," he says. "I'll be your guide as you learn about the economic situation of the islands. You need to learn everything you can about

macroeconomics and the Macro Island's economy for your presentation to our island leader in May." (Your AP Exam) Prerequisites: None. Credits .5

AP Microeconomics

Course Code: 2102360

You traveled to the Macro Islands to assist the leader in winning re-election. You came for a job, but you realized as you were working that you loved the islands and wanted to make your home there. Because you are adept at giving economic advice to the leader, you have been appointed as the new President of the Sunny Seas Shell Company.

As part of your role in assuming the leadership duties of the company, you will need to brush up on microeconomics. The Board of Directors has appointed Ms. Equilibrium to act as your personal assistant and advisor as you transition into your new role. You will be learning all you can about microeconomics and will be required to exhibit your knowledge in May at the annual Board of Directors' meeting (the AP Exam).

Prerequisites: None. Credits .5

AP Physics

Course Code: 2003421

Advanced Placement physics is an algebra-based introductory college-level physics course. Students cultivate their understanding of physics through classroom study, in-class activity, and hands-on, inquiry-based laboratory work as they explore concepts like systems, fields, force interactions, change, and conservation. centers on functions modeling dynamic behaviors.

Pre-Requisites: Algebra 1 Credits: 1

AP Pre-Calculus

Course Code: 1202305

Advanced Placement Precalculus centers on functions modeling dynamic behaviors. This research-based exploration of functions is designed to better prepare students for college-level calculus and provide a basis for other mathematics and science courses. In this course, students study the value of polynomial and rational functions, exponential and logarithmic functions, trigonometric and polar functions, and supplemental topics. As a result of examining functions from many perspectives, students develop a conceptual understanding not only of specific function types but also of functions in general. Furthermore, as AP Precalculus may be the last mathematics course of a student's secondary education, the course is structured to provide a comprehensive experience rather than exclusively focusing on preparation for future courses.

Pre-Requisites: Algebra 2 Credits: 1

AP Psychology

Course Code: 2107350

AP Psychology is a college-level course providing students an overview of the development of human behaviors and thoughts. Along with preparation for the AP Psychology exam, the goals of this course are to

immerse students in modern psychological investigation techniques, to accentuate the ethics and morality of human and animal research, and to emphasize scientific critical thinking skills in application to the social sciences. Psychology is a diverse social and biological science with multiple perspectives and interpretations. The primary emphasis of this course is to help students develop an understanding of concepts rather than memorize terms and technical details; the ultimate goal is to prepare students to successfully take the AP Psychology examination offered in May. Prerequisites: None. Credits 1.0

AP Statistics

Course Code: 1210320

This course is designed to provide college-level instruction on the concepts and tools for working with data. Students collect and analyze data and draw conclusions based on real-world information.

The course challenges students to explore patterns, think critically, use a variety of tools and methods, and report their findings and conclusions. Prerequisites: Algebra II recommended. Credits 1.0

AP United States Government and Politics

Course Code: 2106420

Students must take the Advanced Placement Exam in order to receive Advanced Placement credit. Students who do not take the AP® Exam will be awarded Honors level credit.

"Lights, Camera, Action" ...Prepare to study the intricacies of the American Political Culture. The script is written and the actors participate daily in the drama of American politics. You will be "on location" to delve into primary source documents. You will go behind the scenes with stars such as the President, Congress people, and Supreme Court Justices. You will research the roles of the media, political parties, interest groups, states, candidates, bureaucracy, and the public in the governmental process. Finally, you will witness the large-scale production of policy building in the areas of economic/social policy, foreign policy and public administration. Prerequisites: United States History recommended. Credits 0.5

AP United States History

Course Code: 2100330

The AP U.S. History course focuses on the development of historical thinking skills (chronological reasoning, comparing and contextualizing, crafting historical arguments using historical evidence, and interpreting and synthesizing historical narrative) and the development of student's abilities to think conceptually about U.S. history from approximately 1491 to the present. Seven themes of equal importance — American and National Identity; Migration and Settlement; Politics and Power; Work, Exchange, and Technology; America in the World; Geography and the Environment; and Culture and Society — provide areas of historical inquiry for investigation throughout the course. These require students to reason historically about continuity and change over time and make comparisons among various historical developments in different times and places. The course also allows teachers flexibility across nine different periods of U.S. history to teach topics of their choice in depth.

Prerequisites: None. Credits 1.0

AP World History: Modern

Course Code: 2109420

AP World History: Modern is an introductory college-level modern world history course. Students cultivate their understanding of world history from c. 1200 CE to the present through analyzing historical sources and learning to make connections and craft historical arguments as they explore concepts like humans and the environment, cultural developments and interactions, governance, economic systems, social interactions and organization, and technology and innovation. Prerequisites: None. Credits 1.0