

## **Courses For Kindergarten**

### **Kindergarten Math**

The course will focus on: (1) representing, relating, and operating on whole numbers, initially with sets of objects; (2) describing shapes and space. More learning time in kindergarten will be devoted to numbers.

### **Kindergarten Social Studies**

Students learn basic concepts of historical time sequence and geographic directions. Emphasis is placed on safe practices and the importance of following rules and respecting the rights of others. Students are also taught national symbols and songs.

### **Kindergarten Science**

Students will learn how the Sun causes our weather patterns and how these patterns affect living systems. Students analyze information about the needs of living things (plants and animals, including humans) and how living things interact with their surroundings. Students investigate the effects of forces through push and pull interactions.

### **Kindergarten Reading**

The course provides a foundation for formalized reading and writing instruction. Areas addressed include listening and speaking skills; phonemic awareness analysis, print awareness, grammar skills, vocabulary skills; literature comprehension; and writing readiness.

The goals of the reading program is to instill a love of reading within all students by introducing engaging texts and authors. Helping students discover the different purposes for reading by exploring sub genres, using worksheets, hands-on projects and art. State standards are adhered to in this course, and noted on the unit overlooks.

## **Courses For 1st Grade**

### **Grade 1 Math**

The course will focus on four critical areas:

- (1) developing understanding of addition, subtraction, and strategies for addition and subtraction within 20;
- (2) developing understanding of whole number relationships and place value, including grouping in tens and ones;
- (3) developing understanding of linear measurement and measuring lengths as iterating length units; and
- (4) reasoning about attributes of, and composing and decomposing geometric shapes.

### **Grade 1 Social Studies**

First grade students focus on learning elements of good citizenship through examples in history and literature that highlight honesty, kindness, and responsibility. State and national symbols as signs of citizen unity are also addressed. They learn state and national symbols and the basics economic skills.

### **Grade 1 Science**

Students will learn about seasonal and space patterns. Students investigate the needs of all living things including their offspring. Students model and investigate the effects of light and sound on objects or the effects of objects on light and sound. Additionally, students design and evaluate solutions to problems that exist in these areas.

### **Grade 1 Reading**

The course teaches students listening skills and oral language skills, writing skills, and the skills needed to become effective readers. Areas addressed include an overview of listening and oral language skills; decoding, structural analysis, phonemic awareness and vocabulary skills; reading and literature skills; study skills; pre-writing and composition skills; spelling; and handwriting.

The goals of the reading program is to instill a love of reading within all students by introducing engaging texts and authors. Helping students discover the different purposes for reading by exploring sub genres, using worksheets, hands-on projects and art. State standards are adhered to in this course, and noted on the unit overlooks.

## **Courses For 2nd Grade**

### **Grade 2 Math**

The course will focus on: (1) extending understanding of base-ten notation; (2) building fluency with addition and subtraction; (3) using standard units of measure; and (4) describing and analyzing shapes.

### **Grade 2 Social Studies**

Students learn to navigate the world around them, by developing map skills and recognizing symbols and landmarks. They will gain financial literacy skills and explore the concept of community, learning about the development of cultures, systems of governance, how communities and cultures interconnect both locally and globally, and how the world around them has changed over time. Students will learn about individual rights and responsibilities as well as opportunities for active participation in the life of the community.

### **Science**

Students will learn to construct explanations for how matter on Earth's surface changes. Students investigate how living things live in habitats and have body structures that best fit their needs. Students use models to explain the forms and properties of matter. Additionally, students design solutions to problems that exist in these areas.

## **Grade 2 Reading**

Students learn the skills needed to be effective readers and writers, as well as listening and speaking skills. Areas addressed include decoding, phonemic awareness, vocabulary and comprehension skills in reading; writing and composition skills; spelling; grammar and mechanics; and study skills.

The goals of the reading program is to instill a love of reading within all students by introducing engaging texts and authors. Helping students discover the different purposes for reading by exploring sub genres, using worksheets, hands-on projects and art. State standards are adhered to in this course, and noted on the unit overlooks.

## **Courses For 3rd Grade**

### **Grade 3 Math**

The course will focus on:

- (1) developing understanding of multiplication and division and strategies for multiplication and division within 100;
- (2) developing understanding of fractions, especially unit fractions (fractions with numerator 1);
- (3) developing understanding of the structure of rectangular arrays and of area; and
- (4) describing and analyzing two-dimensional shapes.

### **Grade 3 Social Studies**

In the third grade, students built conceptual understandings of community, culture, and government. They learned basic geographic terms and geographic features necessary for human settlement and success. They applied their understanding of culture and community as they learned more about indigenous cultures in the Americas. They began to explore the rights and responsibilities central to representative government.

### **Grade 3 Science**

Students will learn to analyze and interpret data to reveal patterns that indicate typical weather conditions expected during a particular season. Students develop and use models to describe changes that organisms go through during their life cycle. Students plan and carry out investigations that provide evidence of the effects of balanced and unbalanced forces on the motion of an object

### **Grade 3 Reading**

The course teaches listening and oral language skills; vocabulary skills; reading and literature skills; comprehension skills; writing and composition skills; and grammar and mechanics.

The goals of the reading program is to instill a love of reading within all students by introducing engaging texts and authors. Helping students discover the different purposes for reading by

exploring sub genres, using worksheets, hands-on projects and art. State standards are adhered to in this course, and noted on the unit overlooks.

## **Courses For 4th Grade**

### **Grade 4 Math**

The course will focus on three critical areas:

- (1) developing understanding and fluency with multi-digit multiplication, and developing understanding of dividing to find quotients involving multi-digit dividends;
- (2) developing an understanding of fraction equivalence, addition and subtraction of fractions with like denominators, and multiplication of fractions by whole numbers; and
- (3) 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.

### **Grade 4 Social Studies**

Students will build on foundational concepts as they learn about the present. Students will study history, government, economics, culture, and geography to build their understanding of past and present, as well as make inferences about the future. Inquiry into current events will help students make connections between the past and the present. Students will enlarge their world connections as they trace the global travels of people from many diverse cultures.

### **Grade 4 Science**

This course provides a framework for students to construct an explanation of how structures support growth, behavior, and survival in both plants and animals. Students analyze and interpret data from fossils to provide evidence of stability and change in ancient organisms and environments. Students plan and carry out an investigation to gather evidence that energy can be transferred from place to place by sound, light, heat, and electrical currents. Students analyze data and construct explanations for how the Sun and Earth interact.

### **Grade 4 Reading**

This course teaches students to speak and write Standard English and to read, comprehend, and evaluate literature. Areas addressed include listening and oral language skills; vocabulary skills; reading and literature skills comprehension skills; writing and composition skills; and grammar and mechanics.

The goals of the reading program is to instill a love of reading within all students by introducing engaging texts and authors. Helping students discover the different purposes for reading by exploring sub genres, using worksheets, hands-on projects and art. State standards are adhered to in this course, and noted on the unit overlooks.

## **Courses For 5th Grade**

### **Grade 5 Math**

The course will focus on:

- (1) developing fluency with addition and subtraction of fractions, and developing understanding of the multiplication of fractions and of division of fractions in limited cases (unit fractions divided by whole numbers and whole numbers divided by unit fractions);
- (2) extending division to two-digit divisors, integrating decimal fractions into the place value system and developing understanding

### **Grade 5 Social Studies**

Students will explore essential ideas and events in United States History. They are: Exploration and Colonization, Beginnings of Self-Government, the Constitution and Bill of Rights, the Expansive 19th Century, and The United States on the World Stage. By framing the history of the United States within comprehensible sections, students will be supported in their own cognitive development.

### **Grade 5 Science**

Students learn to analyze and interpret data about Earth's major systems and how they interact. Students plan and carry out investigations to explain the properties of matter and to determine if new substances form when matter is combined. Students construct explanations for how matter cycles and energy flows through environments and Earth's systems. Additionally, students design and evaluate solutions to problems that exist in these areas.

### **Grade 5 Reading**

The course teaches students to read, speak, and write Standard English as well as comprehend and evaluate literature. Areas addressed include: listening and oral language skills, reading and literature comprehension skills, reference skills, writing and composition skills, grammar and mechanics, vocabulary, and spelling.

The goals of the reading program is to instill a love of reading within all students by introducing engaging texts and authors. Helping students discover the different purposes for reading by exploring sub genres, using worksheets, hands-on projects and art. State standards are adhered to in this course, and noted on the unit overlooks.

## **Courses For Grades 6-9**

### **Math 6, Semesters 1 & 2**

In Grade 6, instructional time should focus on four critical areas:

- (1) connecting ratio and rate to whole number multiplication and division and using concepts of ratio and rate to solve problems;
- (2) completing understanding of division of fractions and extending the notion of number to the system of rational numbers, which includes negative numbers;
- (3) writing, interpreting, and using expressions and equations; and

(4) developing an understanding of statistical thinking.

### **Math 7, Semesters 1 & 2**

In Grade 7, instructional time should focus on four critical areas:

- (1) developing an understanding of and applying proportional relationships;
- (2) developing an understanding of operations with rational numbers and working with expressions and linear equations;
- (3) solving problems involving scale drawings and informal geometric constructions and working with two- and three-dimensional shapes to solve problems involving area, surface area, and volume; and
- (4) drawing inferences about populations based on samples.

### **Math 8, Semesters 1 & 2**

In Grade 8, instructional time should focus on three critical areas:

- (1) 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;
- (2) grasping the concept of a function and using functions to describe quantitative relationships;
- (3) analyzing two- and three-dimensional space and figures using distance, angle, similarity, and congruence, and understanding and applying the Pythagorean Theorem.

### **Language Arts 6, Semesters 1 & 2**

This course will target students' growth in the areas of reading, writing, listening, speaking, discussion, reflection, and viewing. Reading strategies, critical thinking skills, and vocabulary building comprise the main elements of reading instructions. Through fiction, nonfiction, and poetry reading, students will practice reading strategies and comprehension skills. The focus of writing will be on narrative, informational, and argumentative writing. The overall

### **Language Arts 7, Semesters 1 & 2**

This one-year course emphasizes the development of specific writing types; arguments, informative/explanatory texts, and narratives in which the development, organization, and style are appropriate to task, purpose, and audience. Students demonstrate increasing sophistication in all aspects of language use. A variety of literature and informational texts serve as models to improve writing skills. Students actively seek to understand other perspectives and cultures through reading and listening. This course fulfills the seventh-grade English requirement.

### **Language Arts 8, Semesters 1 & 2**

This course emphasizes the development of critical reading and writing skills. A variety of literature and informational text of steadily increasing sophistication is used. Through close reading, careful writing, class discussions, and presentations, students deepen their ability to independently write, analyze, evaluate, and critique the text. Students actively seek to understand other perspectives and cultures through reading and listening. Technology is used thoughtfully to enhance reading, writing, speaking, listening, and language use. This course fulfills the eighth-grade English requirement.

**Science 6, Semesters 1 & 2**

The students will explore and experience a variety of areas within the field of science including life, physical, and earth sciences through the use of reading, research, observation, discussion, participation in individual and group projects, and utilization of the scientific research process and experiments.

**Science 7, Semesters 1 & 2**

This one-year course for seventh-grade students focuses on understanding Earth and Space science systems. Students will use scientific processes, protocols, and tools, including inquiry, to build an understanding of Earth's structure and place in the Solar System, atmospheric processes, and composition of matter. Critical thinking, collaboration, accuracy, and communication skills will be practiced as students extend their scientific literacy. This course is required for seventh-grade students. Instructional practices will incorporate integration of diversity awareness including appreciation of all cultures and their important contributions to our society. The appropriate use of technology is an integral part of this course. This course fulfills the science requirement for seventh-grade students.

**Science 8, Semesters 1 & 2**

This year-long course for eighth-grade students provides the physical science explanations that extend understandings developed in previous science courses. Students will use scientific processes, protocols, and tools, including inquiry, to build an understanding of structures, patterns, and relationships explained through the physical sciences. Critical thinking, collaboration, accuracy, and communication skills will be emphasized as students refine their scientific literacy. This course is required for eighth-grade students. Instructional practices will incorporate integration of diversity awareness including appreciation of all cultures and their important contributions to our society. The appropriate use of technology is an integral part of this course. This course fulfills the science requirement for eighth-grade students.

**World Civilizations 6, Semesters 1 & 2**

This 6th grade World History course examines major regions of the world, including Europe, Latin America, Canada, Mexico, Central America/the Caribbean, Russia, Africa, Asia, Australia, and New Zealand. The main components studied throughout the year are as follows: History, Geography, Civics, and Economics. You will learn facts about important people, places, and events in World History, as well as develop and reinforce information processing, problem-solving, and map reading skills.

**Geography 7, Semesters 1 & 2**

The purpose of seventh-grade geography class is to place the whole world at your fingertips. It takes you on fantastic voyages to faraway environments and exotic landscapes and introduces you to our planet's kaleidoscope of peoples, cultures, and ways of life.

**US History 8, Semesters 1 & 2**

This course covers the early history of America's native peoples, early European colonization, and settlement of America. It also covers the creation of the United States of America through the American Revolution up until the post-civil war era.

### **Health Semester 1**

The purpose of health education is to provide opportunities for students to develop knowledge, skills, and attitudes necessary for practicing lifelong health-enhancing behaviors. This course of study includes such topics as disease prevention, first aid, risk-reducing behaviors, and interpersonal skills to improve health and relationships. None  
Grades 6-9

### **Physical Education (PE) Semesters 1 & 2**

7th and 8th-grade students are required to take a minimum of a half year of P.E. each year. See page 18 in the Elective section for options.

### **College and Career Awareness**

This course is an integrated exploratory program focusing on self-knowledge, education, and career exploration. The purpose is to allow students to be involved in activity-centered lessons that explore careers, utilize technology, and develop life skills in the following subjects: agriculture, business, health science, health technology, marketing, technology education, and family and consumer sciences

### **Digital Literacy, Semester 1**

This course is designed to equip students with many of the needed computer skills to excel in the digital world. Students will be exposed to a broad range of technology concepts from basic computer hardware/software to computer systems, the Internet, and safe online habits. Students will also learn the basics of programming, algorithms, cybersecurity, and cryptography. After taking this course you will have the foundational skills needed to troubleshoot basic computer problems, use Google Apps, and write your own computer code! This class is perfect for young beginners looking to get started in the digital world.

### **Art Foundations, Semesters 1 & 2**

This course is designed to increase students' knowledge and use of art media and technique; to help the student recognize the work of a variety of artists, and to help the student become more aware of the aesthetic qualities in his/her environment.

### **Explore Reading Semester 1**

This course involves the study of critical reading, comprehension, and metacognition, namely what our brains are doing while our eyes are looking at the text. Vocabulary acquisition is stressed daily through a specific vocabulary curriculum, as well as word study within the context of the nonfiction text. These courses are designed to enhance the student's success in reading more complex passages with an increased level of comprehension and confidence.

### **Courses For Grades 8-12**



### **Language Arts 9, Semesters 1 & 2**

This course meets the Language Arts requirement for 9th grade. Language Arts 9 covers four broad areas from the Common Core State Standards: (1) Reading literature, (2) Reading non-fiction, (3) Writing, and (4) Speaking and listening. Reading instruction focuses on citing textual evidence, determining the theme or main idea, analyzing character, determining the meaning of words, plus analyzing text structure and point of view. Writing opportunities emphasize three genres: argument, informative/explanatory, and narrative. Students will participate in a variety of discussion formats and present their findings using digital media and speech.

### **Language Arts 10, Semesters 1 & 2**

This course meets the Language Arts requirement for 10th grade. Within the context of world literature, Language Arts 10 covers four broad areas from the Common Core State Standards: (1) Reading literature, (2) Reading non-fiction, (3) Writing, and (4) Speaking and listening. Reading instruction focuses on citing textual evidence, determining the theme or main idea, analyzing character, determining the meaning of words, plus analyzing text structure and point of view. Writing opportunities emphasize three genres: argument, informative/explanatory, and narrative. Students will participate in a variety of discussion formats and present their findings using digital media and speech.

### **Language Arts 11, Semesters 1 & 2**

This course meets the Language Arts requirements for the 11th grade. Within the context of American Literature, Language Arts 11 covers four broad areas from the Common Core State Standards: (1) Reading literature, (2) Reading non-fiction, (3) Writing, and (4) Speaking and listening. Reading instruction focuses on citing textual evidence, determining the theme or main idea, analyzing character, determining the meaning of words, plus analyzing text structure and point of view. Writing opportunities emphasize three genres: argument, informative/explanatory, and narrative. Students will participate in a variety of discussion formats and present their findings using digital media and speech.

### **Language Arts 12, Semesters 1 & 2**

This course meets the Language Arts requirement for the 12th grade. Within the context of British Literature, Language Arts 12 covers four broad areas from the Common Core State Standards: (1) Reading literature, (2) Reading non-fiction, (3) Writing, and (4) Speaking and listening. Reading instruction focuses on citing textual evidence, determining the theme or main idea, analyzing character, determining the meaning of words, plus analyzing text structure and point of view. Writing opportunities emphasize three genres: argument, informative/explanatory, and narrative. Students will participate in a variety of discussion formats and present their findings using digital media and speech.

### **Secondary Math I, Semesters 1 & 2**

This course is to formalize and extend the mathematics that students learned in the middle grades. The critical areas, organized into units, deepen and extend understanding of linear relationships, in part by contrasting them with exponential phenomena, and in part by applying

linear models to data that exhibit a linear trend. Secondary Mathematics I use properties and theorems involving congruent figures to deepen and extend my understanding of geometric knowledge from prior grades. The final unit in the course ties together the algebraic and geometric ideas studied. The Mathematical Practice Standards apply throughout each course and, together with the content standards, prescribe that students experience mathematics as a coherent, useful, and logical subject that makes use of their ability to make sense of problem situations.

### **Secondary Math II, Semesters 1 & 2**

This course is on quadratic expressions, equations, and functions and on comparing their characteristics and behavior to those of linear and exponential relationships from Secondary Mathematics I as organized into six critical areas, or units. The need for extending the set of rational numbers arises and real and complex numbers are introduced so that all quadratic equations can be solved. The link between probability and data is explored through conditional probability and counting methods, including their use in making and evaluating decisions. The study of similarity leads to an understanding of right triangle trigonometry and connects to quadratics through Pythagorean relationships. Circles, with their quadratic algebraic representations, round out the course. The Mathematical Practice Standards apply throughout each course and, together with the content standards, prescribe that students experience mathematics as a coherent, useful, and logical subject that makes use of their ability to make sense of problem situations.

### **Secondary Math III, Semesters 1 & 2**

This course has students pull together and apply the accumulation of learning that they have from their previous courses, with content grouped into four critical areas, organized into units. They apply methods from probability and statistics to draw inferences and conclusions from data. Students expand their repertoire of functions to include polynomial, rational, and radical functions. They expand their study of right triangle trigonometry to include general triangles. And, finally, students bring together all of their experience with functions and geometry to create models and solve contextual problems.

### **Pre-Calculus, Semesters 1 & 2**

This course is a third-year algebra course and builds on SM 3. Advanced algebra topics such as polynomial, rational, exponential, and logarithmic functions and their graphs as well as trigonometry, systems of equations, matrices, conic sections, and discrete mathematics will be studied in depth. This course will help prepare students for Calculus.

### **Algebra I, Semesters 1 & 2**

The course introduces the student to the basic structure of Algebra through the use and application of real numbers, inequalities, factoring, polynomials, linear and quadratic equations, and graphs. Appropriate technology will be used to enhance mathematical understanding and problem-solving skills.

### **Algebra II, Semesters 1 & 2**

This course is designed to build on algebraic and geometric concepts. It develops advanced algebra skills such as systems of equations, advanced polynomials, imaginary and complex numbers, quadratics, and concepts and includes the study of trigonometric functions.

### **Calculus, Semesters 1 & 2**

Calculus is a transition course to upper-division mathematics and computer science courses. Students will extend their experience with functions as they study the fundamental concepts of calculus: limiting behaviors, difference quotients, and the derivative, Riemann sums and the definite integral, antiderivatives and indefinite integrals, and the Fundamental Theorem of Calculus. Students review and extend their knowledge of trigonometry and basic analytic geometry. Important objectives of the calculus sequence are to develop and strengthen the students' problem-solving skills and to teach them to read, write, speak, and think in the language of mathematics. In particular, students learn how to apply the tools of calculus to a variety of problem situations.

### **Fundamental Math, Semesters 1 & 2**

This course explores fundamental concepts in math. Students will learn basic skills and extend their knowledge as they prepare for further math courses. This course covers concepts such as fractions, operations with fractions, decimals, percents, ratios, problem solving, basic concepts in geometry shapes.

### **Math of Personal Finance, Semesters 1 & 2**

This course applies concepts from Algebra I and Geometry topics such as personal income, exponential growth, taxes, credit, loans and payments, leasing and purchasing, stocks, insurance, and retirement planning.

### **World Geography, Semesters 1 & 2**

The study of man and how he adjusts to his environment. This course is composed of acquiring basic geographic skills and a regional approach to the geography of the world. Select this course or AP Human Geography, but not both.

### **World History, Semesters 1 & 2**

World History addresses events and issues in world history from the earliest evidence of human existence to modern times. Topics include, but are not limited to, the Neolithic Revolution, the dawn of civilization, the development of world religions, patterns in world trade, contributions of classical civilizations, the diffusion of technology, colonization and imperialism, global conflict, modern revolutions, and independence movements, and current trends in globalization. Whenever possible, students will be expected to make connections between historically significant events and current issues. These connections are intended to add personal relevance and deepen students' understanding of the world today.

### **US History, Semesters 1 & 2**

United States History II addresses the making of modern America, highlighting the events and issues in United States history from the late Industrial Revolution to modern times. Topics include, but are not limited to, the Industrial Revolution, the Progressive movement, imperialism and foreign affairs, the World Wars, the Great Depression, the Cold War, the civil rights movements, the rise of terrorism, and modern social and political history. Students are assisted in making connections between the events and ideas of the past and their lives today. Contextualizing the study of modern America by helping students make connections across the span of U.S. history can enrich and deepen their understanding of their own place in the American story.

### **US Government & Citizenship, Semester 1**

The goal of this course is to foster informed, responsible participation in public life. Knowing how to be a good citizen is essential to the preservation and improvement of United States democracy. Upon completion of this course, the student will understand the major ideas, protections, privileges, structures, and economic systems that affect the life of a citizen in the United States political system. Students will fulfill the United States Citizenship exam for graduation in this course.

### **Earth Science, Semesters 1 & 2**

Earth Science affects us every day in our air, weather, water, and even the ground we stand on. In this class, we will explore the processes that have formed the earth, stars, elements, and the universe. Through labs, lessons, activities, and creating models, we will explore how Earth's atmosphere (air), hydrosphere (water), and geosphere (land) all interact with each other and affect our everyday life. We will examine events and changes in the world and investigate hypotheses about what has caused them.

### **Biology, Semesters 1 & 2**

Biology, the study of living things, exposes students to a wide range of biological processes including molecular and cell biology, heredity and genetics, ecology, evolution, and the diversity of life. The science processes of observation, hypothesizing, measurement, and data

### **Chemistry, Semesters 1 & 2**

This course covers the fundamentals of chemistry and is appropriate for students expecting to pursue careers in science-related as well as non-science-related fields. Chemistry fulfills the requirement for a physical science course. Emphasis is given to understanding the basics of chemical theory and concepts, interpreting chemical symbols and language, and solving common chemical problems. Applications of chemistry to the everyday world are also explored.

### **Conceptual Physics, Semesters 1 & 2**

This course involves experimentation with mechanical forces, hydraulics, electricity, and heat. It is an excellent class for pre-engineering or any applied science.

### **Environmental Science, Semesters 1 & 2**

Environmental Science is a year-long course designed to show thematic connections between a variety of science disciplines including biology, chemistry, and physics. It gives students a coherent and realistic picture of the applications of a variety of scientific concepts as they manifest in our environment.

### **Human Anatomy & Physiology, Semesters 1 & 2**

Explores the inner workings of the human body and focuses on anatomical and medical terminology. This course is the perfect foundation for students wanting to expand their vocabularies and learn about the body and its levels of an organization, as well as the cooperation required between those levels.

### **Physical Science, Semesters 1 & 2**

Physical Science is the study of matter and energy and includes chemistry and physics. Topics that will be studied include matter, the periodic table, elements, mixtures, compounds, chemical reactions, light, and the electromagnetic spectrum, energy, heat, motion, Newton's laws, and momentum.

### **Astronomy, Semester 1**

This course introduces students to the study of astronomy, including its history and development, basic scientific laws of motion and gravity, the concepts of modern astronomy, and the methods used by astronomers to learn more about the universe. Additional topics include the solar system, the Milky Way and other galaxies, and the sun and stars. Using online tools, students examine the life cycle of stars, the properties of planets, and the exploration of space.

### **Health, Semester 1**

A class required by all 10th-grade students on a semester basis. This class provides a groundwork of knowledge, understanding, habits, and attitudes, which will help students make wise decisions about health; so that they might be healthy, fit, and happy.

### **Lifetime Activities, Semester 1**

Lifetime Activities is a one-semester course designed to teach lifetime activities. Team sports are NOT emphasized. Activities will include but are not limited to; archery, badminton, golf, pickleball, tennis, disc golf, spikeball, walking, jogging, biking, fishing, martial arts & aquatics.

### **Fitness for Life, Semester 1**

The Fitness for Life class is designed to help students accomplish three main objectives:

- 1) Acquire knowledge about the benefits of physical activity to health and wellness and principles of fitness.
- 2) Become physically active while pursuing goals to become physically fit.
- 3) Become an independent decision-maker.

### **Participation Skills, Semester 1**

This course provides students with the opportunity to develop skills, knowledge, and techniques in a variety of individual and team sports and rhythmic activities. Emphasis is placed on leadership and sportsmanship.

### **Computer Science, Semester 1**

This is an introductory course in Computer Science Concepts and Principles. Computer Science is a very broad topic that includes much more than just writing programs. This course is designed to introduce you to several of those areas including

- 1) How digital information can represent text, numbers, pictures, colors, audio, and video.
- 2) How large amounts of information can be collected, visualized, interpreted, and manipulated.
- 3) How digital information is sent and received over the internet, including how data is routed as it travels to and from your device, how the data can be compressed for sending then decompressed when received, and how data can be encrypted to protect sensitive information.

### **Digital Photography, Semester 1**

Learn basic principles of photography and how to apply them in producing photos with an artistic flair. The class study includes knowledge of the camera, applying the elements and principles of photography, methods of shooting and developing black and white film, darkroom procedures, and special effects using the camera and the darkroom. A portfolio of each student's work is expected at the end of the course. Students will test for state certification in Basic Film Photography. This course is based on state standards.

### **FACS Food Science, Semester 1**

This course is designed to focus on the science of food and nutrition. Experiences will include food safety and sanitation, culinary technology, food preparation, and dietary analysis to develop a healthy lifestyle with pathways to career readiness.

### **Financial Literacy, Semester 1**

Discover the secrets of financially successful people. Learn how to make your money work for you. Avoid risky investments and learn the pitfalls of credit cards. Ensure that you don't become one of the growing numbers of bankruptcy filers in our state.

### **Art Foundations, Semesters 1 & 2**

This is a basic introductory art class for students that have not had an art class before. We will learn about the art elements and principles with a variety of art materials. Students can expect to have aesthetic experiences as they study and critique works of art.

### **Art History Semester 1**

Introducing art within historical, social, geographical, political, and religious contexts for understanding art and architecture through the ages, Art History offers high school students an in-depth overview of art throughout history, with lessons organized by chronological and historical order and world regions. Students enrolled in this one- semester course will cover topics throughout history.

### **Business Applications / Digital Business Semester 1**

The business world is progressively more reliant on digital technologies. The Digital Business Applications course is designed to prepare students with the knowledge and skills to be an asset to the collaborative, global, and innovative business world of today and tomorrow. Concepts include the overall digital experience, digital communications, digital media, and the exploration of career choices. This course also provides practical experience in professionalism using various forms of presentation skills, including speaking, podcasting, and digital portfolio relating to the globalization of business.

### **Creative Writing, Semesters 1 & 2**

Creative Writing is a year-long elective course for students to learn how to cultivate the habits, attitudes, and responsibilities of a creative writer. Students will learn how to create, develop, and refine original forms of descriptive writing. As they read and write, students will become familiar with a variety of genres (such as short stories, poetry, screenplays, and more) and will focus on developing their use of creative writing techniques.

### **Economics, Semester 1**

Economics allows students to study areas of interest relating to a career in management, real estate, merchandising, and entrepreneurship as well as starting and operating a business. Topics covered in the course: stock market, supply and demand, competition, production, taxes, and government. Student companies are formed for a computer simulation that is used. None

### **Introduction to Music History & Theory, Semester 1**

This course is offered to students with substantial musical backgrounds (either formal, notation-based training, or significant amounts of self-taught or “by ear” knowledge) who wish to become more familiar with musical structure, language, and notation; and/or to advance personal musicianship. The course includes introduction/review in the fundamentals and materials of music (notation, rhythm, melody, harmony, form, and texture); substantial amounts of ear training, arranging and composition; harmonic and formal analysis of both Classical and Pop/Jazz works; and ample opportunities for students to explore the music of their own choosing.

### **Journalism, Semester 1**

Students will learn or refine the skills of journalistic writing and/or layout in the production of the school newspaper. The class requires the ability to work independently.

### **Psychology, Semester 1**

This class is designed to provide students with an interactive introduction to the study of human behavior. Along with the study of major theorists and theories in psychology, we will also learn about perception, motivation, emotion, theories of personality, stress, psychological disorders, gender, adolescent development, parenting, and social interaction with the goal being to better understand ourselves and others.

### **Sociology, Semester 1**

Studies and compares social groups and institutions and their inter-relationships. Includes culture, socialization, deviance, stratification, race, ethnicity, social change, and collective behavior.

### **Spanish I, Semesters 1 & 2**

Students in Spanish 1 will develop interpersonal, interpretive, and presentational language skills as they interact through the Spanish language in culturally authentic settings. As the students in the Spanish 1 class interact with each other, they will focus on improving comprehension, comprehensibility, vocabulary usage, cultural awareness, communication strategies, and language control. The class will focus on Novice communicative tasks and functions. A student must demonstrate a Novice Mid language proficiency to be able to move on to the Spanish 2 class.