IGNITE LEARNING ACADEMY

Course Catalog

Courses and curriculum individualized for every student.

Students are placed in curriculum based on their current level of knowledge. This means gaps are filled, acceleration is possible, and class never moves too fast or too slow! All full-time students are enrolled in a math, Language Arts, science, and social studies course. Students may elect to enroll in two additional courses (for a total of 6).

K-5 | 6-8 | 9-12

Core Courses | Core courses are standards-based courses, and are counted as core credit when working toward graduation requirements in high school. *Electives are not indicated as core courses, but any non-core course fills the elective requirement.*

Gifted Courses | Gifted and Talented courses in grades 2-8 provide students with above grade level content, project-based portfolios, and assignments with increased cognitive rigor.

Honors Courses | These courses are available at the high school level and provide students with rigorous assignments for enrichment and honors credits. Honors courses are weighted in the student's GPA based on a 5.0 weight.

Advanced Placement (AP) Courses | Advanced Placement courses, available at the high school level, include college-level work to help students prepare for the Advanced Placement exam to earn college credit. AP courses are weighted in the student's GPA based on a 5.0 weight.

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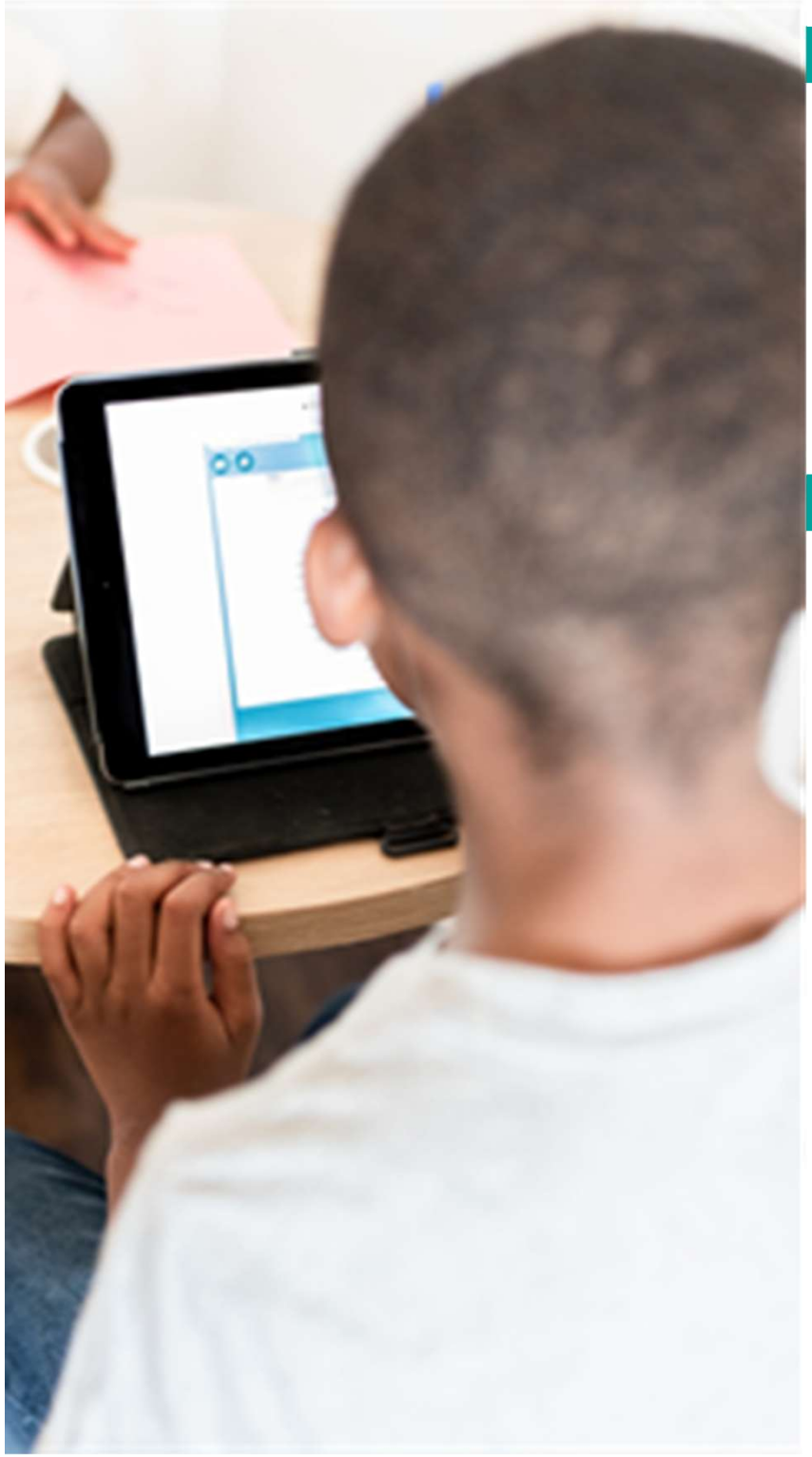
Course lists are subject to change.



K-5 COURSE CATALOG

MATH	LANGUAGE ARTS	SCIENCE	SOCIAL STUDIES
Math K	Language Arts K	Science K	Social Studies K
Math 1	Language Arts 1	Science 1	Social Studies 1
Math 2	Language Arts 2	Science 2	Social Studies 2
Math 3	Language Arts 3	Science 3	Social Studies 3
Math 4	Language Arts 4	Science 4	Social Studies 4
Math 5	Language Arts 5	Science 5	Social Studies 5

ELECTIVES

PHYSICAL EDUCATION

Physical Education K
Physical Education 1
Physical Education 2
Physical Education 3
Physical Education 4
Physical Education 5

ART

Art Kindergarten
Art Level 1
Art Level 2
Art Level 3
Art 1

OTHER ELECTIVES

Intro to Computers & Technology
Scratch Coding (4th grade and higher)
Class Piano 1 (4th grade and higher)
Keyboarding (4th grade and higher)
Gaming Unlocked (5th grade and higher)
Multimedia Design I (4th grade and higher)
K-5 STEM (4th grade and higher)
Computer Literacy (5th grade and higher)
Computer Applications 1 (4th grade and higher)

WORLD LANGUAGE

Spanish for Young Learners 1 (5th grade and higher)
Spanish for Young Learners 2 (5th grade and higher)

6-8 COURSE CATALOG

MATH

Math 6
Math 7
Math 8
Pre-Algebra

LANGUAGE ARTS

English 6
Honors English 6
English 7
Honors English 7
English 8
Honors English 8

SCIENCE

Science 6
Science 7
Science 8

SOCIAL STUDIES

Ancient History
Medieval History
Civics

ELECTIVES

HEALTH/ PE

Physical Education 6
Physical Education 7
Physical Education 8
MS Health

ART/ MUSIC

Music Appreciation
Class Piano 1
Art Appreciation
Drawing
Photography Basics

TECHNOLOGY

Scratch Coding
Keyboarding
Gaming Unlocked
Computer Applications 1
MS Introduction to Coding
Computer Literacy

WORLD LANGUAGES

Spanish for Young Learners 1
Spanish for Young Learners 2

OTHER ELECTIVES

Multimedia Design
MS STEM
MS Career Exploration
MS Exploring Business
MS Journalism
MS Exploring Information Technology
Character Education

9-12 COURSE CATALOG

MATH	LANGUAGE ARTS	SCIENCE	SOCIAL STUDIES
Pre-Algebra	English 9	Earth Science	US History
Algebra I	Honors English 9	Biology	Honors US History
Honors Algebra I	English 10	Honors Biology	World History
Geometry	Honors English 10	Chemistry	Honors World History
Honors Geometry	English 11	Honors Chemistry	US Government
Algebra II	Honors English 11	Physics	Honors US Government
Honors Algebra II	English 12	Physical Science	Economics
Pre-Calculus	Honors English 12		

MATH ELECTIVES	ENGLISH ELECTIVES	SCIENCE ELECTIVES	SOCIAL STUDIES ELECTIVES
Financial Math	Journalism	Astronomy	World Geography
Applied Math	Reading and Writing for Purpose	Marine Science	African American History
College Math Preparation	Gothic Literature	Great Minds in Science	Archaeology
	Creative Writing	Veterinary Science	History of the Holocaust
	Mythology and Folklore	Environmental Science	World Religions
		Anatomy and Physiology	

ASU – Universal Learner Program

Universal Learner Courses provide students in high school the unique opportunity to test the college waters and earn college credit, without having to incur the financial or GPA risks. View available courses at https://ea.asu.edu/courses/

Benefits

- Earn college & high school credits, simultaneously
- No additional costs to convert college credit
- Convert to college credit only if pleased with final grades
- Teacher-led and self-paced options
- Courses developed and taught by ASU faculty

9-12 COURSE CATALOG

WORLD LANGUAGES

Sign Language I
Sign Language II
French I
French II
Spanish I
Spanish II
Spanish III

HEALTH/ PE

Health
Physical Education
Physical Fitness

FINE ARTS

Art in World Cultures
Art History, Origins
Art History, Modern
Art: Intermediate Drawing
Art: Introduction to Painting
Digital Photography I
Digital Photography II
HS Class Piano 1
Music Appreciation
Photography Basics

CAREER READINESS EDUCATION (CRE)

Career Planning
Cosmetology
Criminology & Forensics
Criminology & Justice
Culinary Arts I
Culinary Arts II
Dental Assistant I
Health Science I
Health Science II
Health Science: Nursing
Health Science: Public Health
Hospitality & Tourism
Intro to Agriscience
Intro to Early Childhood Education
Intro to Law & Order
Intro to Legal Admin Specialist
Intro to Manufacturing
Intro to Medical Assisting
Intro to Office Administration
Medical Diagnostics Technology
Medical Terminology
National Security
Principals of Public Service
Restaurant Management
Theater, Cinema & Film Production

OTHER ELECTIVES

3D Modeling
Advertising and Sales Promotion
Business Communication
Business Informaton Management
Business Law
Concepts of Engineering and Technology
Entrepreneurship
Game Design II
Graphic & Web Design
International Business
Into to Management
Intro to Social Media
Introduction to Business
Introduction to Communication
Introduction to Women's Studies
Life Skills
Peer Counseling
Personal and Family Finance
Principals of Marketing
Psychology
Public Speaking
Social Problems I
Social Problems II
Sociology
Sports and Entertainment Marketing

HUMANITIES

Animation: Animate Your Creativity
Anthropology I
Anthropology II
Intro to Animation
Philosophy

K-5

ELEMENTARY COURSE CATALOG

K-5 | MATH

Math K | In this course, students will explore counting, counting objects, number sense, adding and subtracting through 5, geometric shapes, and measurement. The topics include counting to 40, counting up to 15 objects, modeling numbers with objects, using the number line, adding and subtracting within 5, identifying and sorting flat shapes, understanding which attributes are measurable, and identifying coins. This course also explores number sense, counting and comparing numbers, adding and subtracting, geometric shapes, money, and data. The topics include counting to 100, adding and subtracting within 10 using different strategies, identifying groups of 10, ordering numbers on a number line, classifying objects and collecting data using picture graphs, identifying coins, and exploring three-dimensional shapes.

Math 1 | In this course, students will explore number sense and counting skills; operations such as addition and subtraction; measurement; geometry; and data collection. The topics include skip counting; composing and decomposing numbers; strategies for adding and subtracting; word problems; comparing and ordering lengths; identifying coins and their values; classifying two-dimensional shapes based on their attributes; understanding parts of a whole; and collecting data to create bar graphs and picture graphs. This course also explores number sense and counting skills up to 120, operations such as addition and subtraction within 20, geometry, data collection, money, and telling time. The topics dig deeper into skip counting, finding place value, using strategies to fluently add and subtract within 10, solving addition and subtraction word problems within 20. Topics also include finding the value of a collection of coins, classifying three-dimensional shapes based on their attributes, comparing numbers, collecting data to create bar graphs and picture graphs, telling and writing time to the hour and half-hour.

Math 2 | In this course, students will explore fluently adding and subtracting within 100 using mental strategies; understanding addition and subtraction within 200 using concrete models or drawings and strategies; and applying these addition and subtracting skills in solving one- and multi-step real-world problems; reading and writing numbers up to 1,200 in different forms; counting numbers up to 1,200 in 1s, 5s, 10s, and 100s; plotting, comparing and ordering numbers up to 1,200; and finally building the foundation for multiplication and division by making equal groups of objects. This course also explores adding and subtracting within 1,000, measuring length, data, geometry, time, money, and economic concepts. The topics include regrouping place values to add and subtract within 1,000, measuring and comparing lengths with different units, adding and subtracting lengths, representing and interpreting data in bar graphs, picture graphs, and line plots. Topics also include recognizing the attributes of two-dimensional and three-dimensional shapes, telling and writing time to the nearest minute, adding and subtracting money, and explaining economic concepts such as the role of producers and consumers.

Math 3 | This course explores number sense; place values; operations such as addition, subtraction, and multiplication; measurement; and representing data. The topics include exploring numbers up to 100,000; using place value to plot, compare, and order numbers; rounding to the nearest tens and hundreds; using different strategies to add and subtract numbers up to 1,000; multiplication; finding area and perimeter; finding volume in liters and mass in grams and kilograms; using measurement and other data to create scaled pictures and bar graphs; and using scaled pictures and bar graphs to gather information and compare data sets. This course also explores arithmetic patterns, operations such as multiplication and division, geometry, fractions, perimeter, area, time, measurement, data, and finances. Topics include explaining arithmetic patterns using properties of operations, identifying types of geometric lines, composing and decomposing fractions, generating equivalent fractions, calculating the perimeter of polygons, and using multiplication to solve for area. Topics will also include, reading and writing time to the nearest minute, measuring length in customary units, measuring liquid volume, mass, and temperature, interpreting and representing data on a variety of graphs, and understanding concepts in personal finance.

Math 4 | This course addresses concepts related to place value, operations with whole numbers and decimals, and data. The instruction covers identifying and using place value for calculations and rounding whole numbers; adding, subtracting, multiplying, and dividing multi-digit whole numbers; adding and subtracting decimals; using operations to solve word problems; representing and interpreting data; and applying mathematical processes and understanding to solve word problems. This course also focuses on modeling and solving within a variety of topics. These topics include fractions, geometric shapes, angles, and measurement. It explores comparing fractions, converting fractions to decimals, representing fractions on a number line, adding and subtracting fractions and multiplying fractions. The instruction also focuses on identifying geometric shapes and angles and measuring time, length, weight, volume and applying these skills to real world scenarios and word problems.

Math 5 | This course addresses concepts related to place value, operations with multi-digit whole numbers, and operations with decimals. The instruction covers identifying and using place value for calculations and rounding decimals; multiplying and dividing multi-digit whole numbers by two-digit numbers; adding, subtracting, multiplying, and dividing decimals; and applying mathematical processes and understanding to solve word problems. This course also explores number sense, geometric principles, data analysis and patterns. Number sense topics include adding, subtracting, multiplying, and dividing fractions. Topics include describing and applying the order of operations to evaluate expressions and solve equations. Geometry topics include finding perimeter and area using two dimensional shapes and finding the volume of a three-dimensional figure. Data analysis includes exploring a variety of graphs and determining the mean, media, mode, and range. The utilizations of models and problem-solving skills repeat throughout this course to apply mathematical reasoning skills to real world scenarios.

K-5 | LANGUAGE ARTS

Language Arts K | In kindergarten, students focus on identifying and printing both upper and lowercase letters of the alphabet. Recognition of letters leads to letter-sound correspondence, identifying short vowel sounds, and producing rhyming words. The course examines different story elements and provides opportunities to identify and retell details of those elements. Story elements include characters, settings, and details for different types of texts such as storybooks, nursery rhymes, fairy tales, folktales, fables, and poems. This course also explores the fundamentals of language concepts for reading and writing. Identifying and blending sounds, recognizing the parts of words and sentences, and building reading comprehension skills are key elements of the course. Reading skills include describing the roles of the author and illustrator, explaining text structures, and asking and answering focused questions using contextual evidence. The course includes informational texts, historical texts, opinion texts, to read or listen to being read aloud as interactive storybooks. Writing skills include acquiring knowledge of the writing process in context of completing an informational writing project and a research writing project.

Language Arts 1 | In this course, students will be learning, isolating, segmenting, and pronouncing the sounds of consonants, consonant blends, digraphs, trigraphs, long and short vowels, vowel teams, diphthongs, r-controlled vowels, and inflectional endings primarily in single-syllable words. Students decode words in isolation and in context by pronouncing initial, medial vowel, and final phonemes. While learning sounds, students will read poetry, fables, folktales, fairy tales, stories, and informational texts with concepts such as retelling, topic, key details, characters, setting, events, and theme. Language focuses on nouns, pronouns, verbs, capitalization, end punctuation, and writing complete sentences. This course also focuses on acquisition of new words, experimenting with sounds and syllables, and accounting for the parts of a well-crafted sentence. Reading skills include asking and answering questions about texts, as well as drawing conclusions. Reading selections include poetry, fairy tales, informational texts, opinion texts. Writing includes an informational writing project and an opinion writing project.

Language Arts 2 | In this course, students will explore reading and writing literary texts from various genres, including conventional narratives, personal narratives, and poems. Reading selections include fables and folktales from diverse cultures, short stories, and a variety of poem types. Reading and writing topics demonstrate concepts such as character, setting, story structure, central message, point of view, dialogue, figurative and descriptive language, visual characteristics, and sound devices. Foundational language skills instruction provides guided and independent practice opportunities for decoding and spelling words and understanding their meaning using context clues, word relationships, and reference materials. This course also includes a structured review of phonics to build reading skills. Reading selections include opinion texts, informational texts, and historical texts. Writing skills focus on editing and writing complete sentences and using correct conventions. Writing projects include an opinion writing project followed by a research writing project.

Language Arts 3 | In this course, students will explore reading and writing literary texts from various genres, including conventional narratives, personal narratives, and informational texts. Reading selections include folktales and fables from diverse cultures, short stories, narrative nonfiction, and informational texts. Reading and writing topics demonstrate concepts such as character, setting, story structure, central message, point of view, dialogue, and figurative and descriptive language. Foundational language skills instruction provides guided and independent practice opportunities for decoding and spelling words and understanding their meaning, using context clues, prefixes and suffixes, reading with accuracy, word relationships, and research materials. This course also explores the elements of story, such as character and plot through reading selections that include drama, opinion text, and informational text. Writing projects include an opinion writing project and a poetry writing project.

Language Arts 4 | In this course, students will practice with informational and opinion text and with foundational language skills and vocabulary. Concepts and/or topics regarding informational and opinion text include key ideas, supporting details, author's purpose, text features and structure as well as summary and paraphrase. Additional tasks for opinion text include identifying the audience, the opinion or claim, and the reasoning and evidence. A research project provides instruction and practice on distinguishing paraphrase from plagiarism. The unique features of historical, scientific, technical, and informative texts are analyzed. Foundational language skills instruction includes guided and independent practice opportunities for recognizing and revising fragments and run-ons, using roots and affixes, and determining word meaning through context clues. Recognizing high frequency words, spelling grade-appropriate words correctly, and oral reading, as well as exploration of digital text and reference materials. This course also explores literary works of fictional stories, dramas, and poetry. Reading analysis includes examining plot elements, theme, summary, grammar, point of view, perspective, and figurative language, as well as literary comparison of different types of texts. Writing projects include a personal narrative project.

Language Arts 5 | In this course, students will learn and practice with informational and opinion text along with foundational language skills. Concepts and/or topics regarding informational and opinion text include key ideas, supporting details, author's purpose, author's perspective, text features and structure, inferences, evidence, summary, and paraphrase. Historical, scientific, and technical texts as well as digital texts are included for analysis. Foundational language concepts and/or topics include capitalization, punctuation, sentence types, parts of speech, verb tense, and context clues. Instruction and practice with spelling high frequency words and syllabication are included, as well. Writing projects include an informational essay and research project. This course also explores the differences between literal language, such as determining word meaning from roots and affixes using reference materials, and figurative language, including the use of similes, metaphors, idioms, proverbs, and puns. Readings focus on plot, theme, point of view, and perspective. Reading selections include poetry, drama, folktales, and myths. Writing projects include a personal narrative project and multimedia presentations.

Science K | This course examines basic scientific processes and methods. Those processes and methods are then used to identify the senses, classify matter, and describe energy, motion, and force. It also explores the engineering design process through designing a structure that will reduce the effects of the Sun on Earth. This course also explores key characteristics of plants and animals, and how they work in various settings such as rain forests, deserts, rivers, and oceans. It also explores how plants and animals may change the environment in which they are found. It will explore the components that make up Earth and it will explore the various weather changes.

Science 1 | This course investigates and applies the engineering design process to the concepts of light and sound. The course examines objects based on their properties of matter and compares different life cycles and organisms. Motion, forces, and the flow of energy are also described in the course. This course also explores how living things stay alive and how plants and animals survive, along with how plants and animals help solve human problems. It describes various objects in the sky such as the Sun, moon, and stars. Lastly, it will explain the changes in daylight in different seasons and weather and describe natural resources.

Science 2 | This course digs deeper into the methods and tools scientists use. It explores the needs, life cycle, traits, and structures of plants and animals. That knowledge is then used to design a solution to a problem that will be tested and revised. Knowledge on matter, energy, motion, and forces is also gained through small experiments. This course also explores the structures of the human body, compares living things in different environments, and digs deeper into natural resources. Explorations include: the different types of landforms, bodies of water, and how to map both landforms and bodies of water. The course examines how changes are made to Earth's surfaces through weathering, erosion, earthquakes, volcanoes, hurricanes and floods. It digs deeper into the weather, seasons, and objects in the sky such as the Sun and moon.

Science 3 | This course examines the states, properties, and changes that happen to matter. It also explores the forms of energy, investigates concepts of electricity and magnetism, and describes motion and forces. Knowledge of all these concepts lead to exploring the technological advancements that improve everyone's lives. This course also investigates plants and animals, and how traits are passed from parent to offspring. It examines how plants are sorted into flowering and nonflowering categories. Animal characteristics are described and sorted into major groups based on key characteristics. Topics include climate and weather, our solar system, and natural resources.

Science 4 | This course examines the scientific method, solving problems through engineering, matter, energy and magnetism. It will also explore space including Earth's place and movement, as well as the different planets and objects in our solar system. This course also examines plant and animal organisms, specifically their structures, functions, heredity, and adaptations, as well as their relationship to their environment. Finally, it explores planet Earth. Topics include rock formations, soil properties, fossil fuels, how the Earth's surface is shaped, Earth's features and systems, and how the Earth impacts humans.

Science 5 | This course identifies important scientific discoveries and the scientific method, describes the engineering design process, and explains different types of technology found in everyday life. It also examines matter, energy, forces, magnetism, and concludes with explaining astronomy and the solar system. This course also investigates structures and functions of organisms, ecology and evolution, Earth's spheres, the geosphere, engineering and natural resources, and the Sun, Moon and Earth Systems. Activities include identifying plant and animal anatomy, explaining the flow of matter, describing climate change, evolution, weathering and erosion, seasons and the moon cycle, predicting, modeling, and observing across these topics to draw conclusions.

K-5 | SOCIAL STUDIES

Social Studies K | This course explores the roles and responsibilities of students as citizens within the context of civics, geography, economics, and history. Students will also learn about their own culture and how it impacts understanding of oneself and others as well as be introduced to aspects of our National culture. This course also explores how to solve problems, the need for rules and laws. and how they help communities. Topics ask students to examine their place in the world and learn about the environment and what it is made up of. Lastly, it will explore American symbols, traditions, and holidays.

Social Studies 1 | This course examines how a community functions and how each member contributes to the community for the common good through the study of civics, geography, economics, and history. Students will study their local community and learn about characteristics that define urban, suburban, and rural communities. Democratic principles and participation in government are introduced. Community resources, environment, change over time, and cause/effect are examined. This course examines the various features, symbols, holidays, leaders of the United States, as well as describing important people of the past. Activities include identifying national, state, and local government leaders and exploring how local government makes and enforces laws. The impact of resources and the environment are explored in terms of how humans live.

Social Studies 2 | This course explores the students' lenses expand to learn how their world is interconnected globally through the study of geography and economics. Students will develop a spatial understanding of the world around them, so they can understand how other cultures and civilizations are interconnected and have influenced who we are as a community, state, and Nation. United States history, world history, and civics will also be taught in a comparative context using various stories from the United States and around the world. This course also examines who producers and consumers are, how the world economy works and what it entails, how the environment affects how humans live, and how humans affect the environment now and through history. Activities include researching how people and groups have protected the environment.

Social Studies 3 | This course explores the geography, history, politics, and economics at the local, state, national, and tribal levels. Students will learn about working together as a community, government services, physical and culture features of the North American region, resources, industry, and why people migrate within the United States and to the United States from other countries. This course also explores how to use sources to learn about the First Peoples to construct a narrative of American Indian Nations. Explorations include topics of the Pueblo people, influential people and groups from some states. Activities include making an argument about the past based on reasoning, examples, and details from sources, as well as constructing a narrative of explorers and settlers in the Southwest United States to describe expansion into the West.

Social Studies 4 | This course examines the earliest periods of America through the study of history, geography, economics, and history. The course includes a study of the settlement patterns, lifestyles, and governments of early American Indian societies. European exploration and settlement of North America, as well as interaction with American Indian groups are explored. Social studies skills are applied, and primary sources, maps, graphs, and timelines are used to analyze these periods of early American history. This course also explores the history, geography and economics associated with the original thirteen colonies of the United States, including topics regarding indentured servitude, culture mixing, and governments. Trade between Europe, Africa, and the Americas is analyzed to understand what was traded and the effects of these trades on the colonies. Finally, the New England Colonies, Middle Colonies, and Southern Colonies re-examined to understand the specific location, economy, government, religion, and culture for each area.

Social Studies 5 | This course begins with a study of the causes and effects of the American Revolution, investigate how British taxation following the French and Indian War created the discontent that led colonists to declare independence, and then explores the causes of the drafting of the US Constitution. The articles of the Constitution, the powers of each branch of government, and the citizens' rights protected in the Bill of Rights are examined. Social studies skills are applied, and primary sources, maps, graphs, and timelines are used to analyze this period of United States history. This course also explores United States expansion, The Civil War, Reconstruction, Westward expansion, The Transcontinental Railroad, Economic and Urban Changes, and reform movements. Investigations include key historical events of the topics arranged chronologically, while also refining map skills, working with timelines and graphs, and analyzing causes and effects.

K-5 | ELECTIVES

Art Kindergarten | This courses provide to students developmentally appropriate activities to foster creative expression, communication through artistic endeavor, and appreciation of culture and heritage. Although the art form typically involves visual arts (drawing, painting, sculpture, crafts, and the like), students may also explore other forms of art such as dance, music, and theater. Specific course content conforms to any existing state standards for kindergarten.

Art Level 1 | This course will provide students with activities that foster creative expression, communication through artistic endeavor, and appreciation of culture and heritage. Activities may include those that enable students to refine their technique, increase their artistic vocabulary, and strengthen their critical abilities. Although the art form typically involves visual arts (drawing, painting, sculpture, crafts, etc..), students may also explore other forms of art such as dance, music, and theater. Specific course content conforms to any existing state standards for grade 1.

Art Level 2 | This course will provide students with activities that foster creative expression, communication through artistic endeavor, and appreciation of culture and heritage. Activities may include those that enable students to refine their technique, increase their artistic vocabulary, and strengthen their critical abilities. Although the art form typically involves visual arts (drawing, painting, sculpture, crafts, etc..), students may also explore other forms of art such as dance, music, and theater. Specific course content conforms to any existing state standards for grade 2.

Art Level 3 | This course will provide students with activities that foster creative expression, communication through artistic endeavor, and appreciation of culture and heritage. Activities may include those that enable students to refine their technique, increase their artistic vocabulary, and strengthen their critical abilities. Although the art form typically involves visual arts (drawing, painting, sculpture, crafts, etc..), students may also explore other forms of art such as dance, music, and theater. Specific course content conforms to any existing state standards for grade 3.

Multimedia Design (4th – 8th Grade) | This course introduces concepts and methods used in the creation of digital art. The course explores design principles, types, and common applications of digital artwork, and techniques for brainstorming and developing an artistic idea. It also covers artistic mediums such as 3D computer graphics, animation, digital video, and digital audio. The course also explores the relevant tools, techniques, and skills of each medium.

Class Piano 1 | Class Piano allows beginners to focus on piano basics: learning to read notes, understand rhythms, play scales, play basic chords and other tools essential to play any style of music. This course will also cover music theory. This is a great course to introduce a child to the excitement of playing the piano! While all classes are recorded and made available, Class Piano students should plan to attend live. (4th and 5th grade only)
Materials: Alfred's Kid's Piano Course Complete: The Easiest Piano Method Ever! (approximately $30)

Computer Literacy | The Computer Literacy class is a course in the basics of computers and teaches students how to use MS Word, Excel and PowerPoint. Students will also learn skills that are helpful in online learning. Students will use an interactive notebook for participation and checking understanding and will work on a Project Based Learning project through the semester. Students will choose a product (current or imaginary) or service for a business they would like and will create documents, such as business cards, letters, emails, spreadsheets for a budget and PowerPoint for a sales pitch as part of the project.

Keyboarding (4th – 8th Grade) | The keyboarding course is appropriate for elementary and middle school students. The curriculum introduces new keys by rows where students first learn the middle row, then the top row and the bottom row of the keyboard. The content is designed with a strong focus on sight and high frequency words. This course assumes no keyboarding experience and will guide them through the keyboard.
**Practice is offered through digital simulations.*

Elementary STEM | In Elementary STEM class, young minds embark on an exciting journey to explore the areas of Science, Technology, Engineering, and Mathematics. Through hands-on activities and creative projects, students will develop a design thinking approach by implementing critical thinking skills to solve real world problems. STEM will help students build a growth mindset while fostering a love for discovery. Students in grades K-2 will likely need Learning Coach assistance. The class is structured so that students will work independently on their project during the week and live classes will be utilized for sharing projects. Materials: A complete materials list will be provided prior to the start of the course including instructions/ideas for parents to create a Maker-Space for their child to use during this class. Parents should expect to purchase approximately $50 for this course.

Intro to Computers & Technology | This course introduces students to computers, including peripheral and mobile devices; the functions and uses of computer technology; the language used in the industry; possible applications of various computer-based technologies; and occupations related to computer technology hardware and software industries. These courses typically explore legal and ethical issues associated with computer technology use, as well as how changes influence modern society. Students may also be required to perform some computer technology operations.

Computer Applications | In this course, students acquire knowledge of and experience in the proper and efficient use of previously written software packages. These courses explore a wide range of applications, including (but not limited to) word-processing, spreadsheet, presentation, graphics, and database programs. Courses may also cover the use of electronic mail and online collaborative software.

Elementary Art 1 | This course is open to all students interested in art and does not require any previous art experience. Students will have the opportunity to play with different media, try different techniques and learn skills that will allow them to participate in future art classes. This class will promote creativity, idea generation, and artistic experiences.

K-5 | ELECTIVES

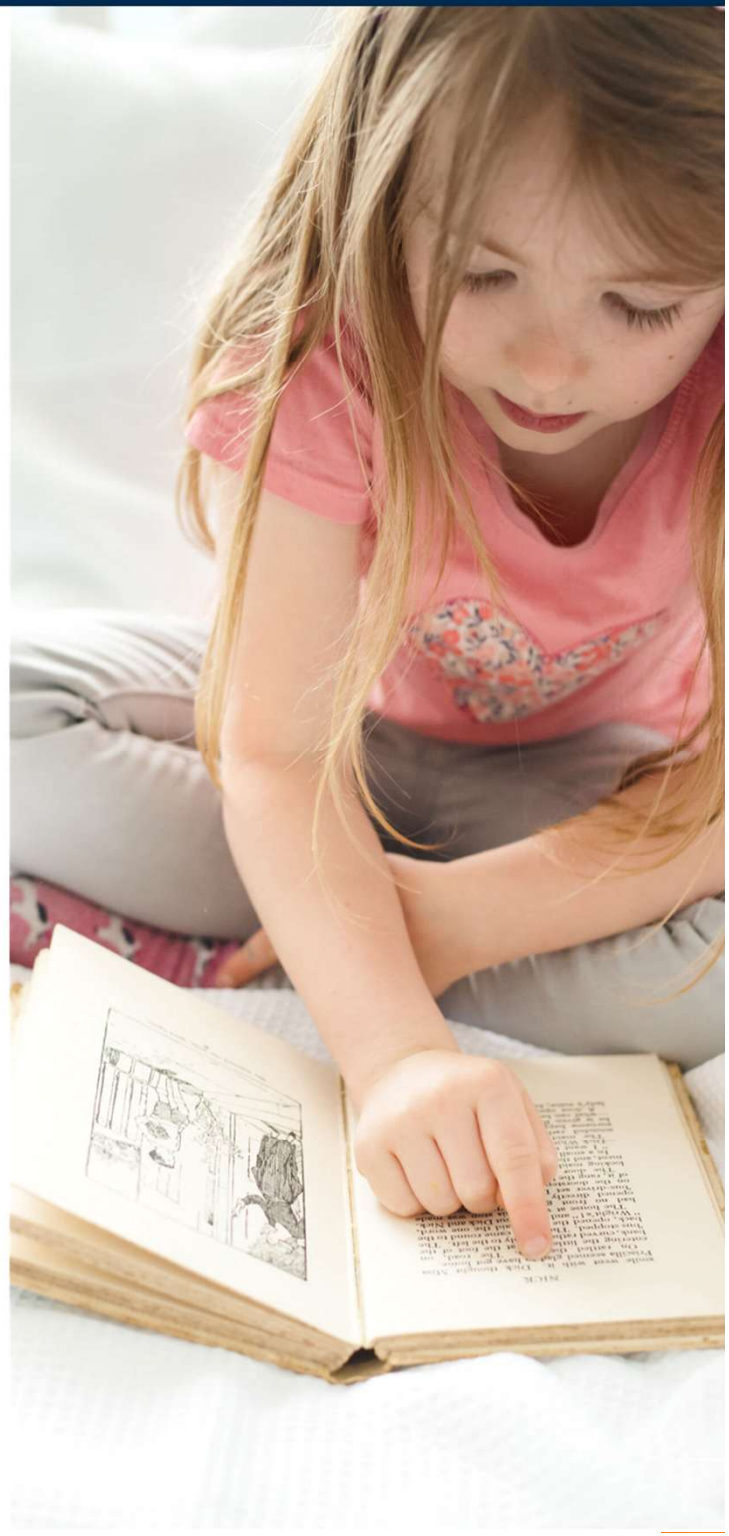
Scratch Coding | Scratch is a program developed by MIT teaching students the basics on how computers think! This program will have ITSE Standards woven through the course to instruct and prepare students to be responsible, informed and equipped users and innovators with technology. Students will gain foundational knowledge and skills essential for scratch coding. Students will have the opportunity to complete coding activities throughout the course to foster needed skills and creativity.

Gaming Unlocked | Gaming Unlocked researches the basics of gaming, from what makes games fun to what makes them work by exploring quality in a variety of games such as mental games, board games, and video games. This course does not require students to know or learn a programming language. The emphasis is on the history and design of games and the different careers available in the gaming industry. (5th grade only)

Physical Education K-1 | This course helps young learners establish a basic understanding of health and fitness. Students focus on health-related fitness and learn how to become more fit and healthy. Topics of study include exercise safety, making healthy choices, nutrition, the benefits, components, and principles of fitness, basic anatomy and physiology, and values of cooperation and teamwork. In addition, students learn age-appropriate motor, non-locomotor, and manipulative skills. Students are required to participate in regular physical activity.

Physical Education 2-3 | This course helps young learners establish a basic understanding of health and fitness. Students focus on health-related fitness and learn how to become more fit and healthy. Topics of study include exercise safety, making healthy choices, nutrition, the benefits, components, and principles of fitness, basic anatomy and physiology, and values of cooperation and teamwork. In addition, students learn age-appropriate motor, non-locomotor, and manipulative skills. Students are required to participate in regular physical activity

Physical Education 4-5 | This course helps young learners establish a basic understanding of health and fitness. Students focus on health-related fitness and learn how to become more fit and healthy. Topics of study include exercise safety, making healthy choices, nutrition, the benefits, components, and principles of fitness, basic anatomy and physiology, and values of cooperation and teamwork. In addition, students learn age-appropriate motor, non-locomotor, and manipulative skills. Students are required to participate in regular physical activity



6-8

MIDDLE SCHOOL COURSE CATALOG

6-8 | MATH

Math 6 | Students will build on previously learned concepts such as adding, subtracting, multiplying, and dividing and deepening knowledge of arithmetic with fractions, decimals, and negative numbers to solve real-world problems. Topics included: ratios, unit conversions, geometry, and working with equations

Math 7 | This course will explores adding, subtracting, multiplying and dividing rational numbers by using analogies, number lines, rules, and properties. Topics include solving problems involving proportional relationships given in tables, diagrams, graphs, equations, and verbal descriptions. Geometry topics include solving problems involving scale drawings, circles, angle relationships, areas, volumes, three-dimensional shapes, and drawing geometric shapes. Topics will also include interpreting proportional relationships and equivalent expressions, writing and solving linear equations and inequalities to solve real-world problems, comparing two data sets of random samples using their center values and variability measures to make conclusions about populations. Geometry topics include solving problems that involve the area, surface area, volume, and cross-sections of two- or three-dimensional objects.

Math 8 | In this course, students explore rational and irrational numbers, solving linear equations from contextual situations, and analyzing properties of functions with a focus on linear functions. Students will also explores multi-step equations and proportions, applies knowledge of proportional relationships to geometry to perform transformations on figures, and prove similarity of figures through a series of transformations. Topics included: analyzing linear relationships and functions, solving systems of linear equations using different methods, application of algebraic skills to statistics, analyze and interpret patterns in bivariate data, and finding volumes of circular three-dimensional objects.

Pre-Algebra | Students build an algebraic foundation to prepare students for Algebra I. Topics included: reviewing integers and rational numbers, properties of numbers and working with exponents and roots, mastering the order of operations, variables, how to simplify expressions and solve multi-step equations, lines and linear equations, ordered pairs, the coordinate plane, and graphs.

Algebra 1 | In this course, students explore the application of properties to simplify expressions with exponents and radicals, relationships between rational and irrational numbers, solving linear equations and inequalities, applying knowledge of linear equations and inequalities to solve and graph systems of linear equations and inequalities, applying operations on polynomials, factoring quadratic expressions, and solving quadratic equations using different methods. Students will also explore the analysis of different types of functions presented as equations, graphs, tables, verbal descriptions, identifying key features applied to real-world problems, using key features to compare different types of functions, transformations of functions, statistics, interpreting and analyzing data sets, as well as causation and correlation.

6-8 | LANGUAGE ARTS

Language Arts 6 | In this full-year sixth-grade course, students analyzes informational texts, including biographies, primary documents, instructional documents, film reviews, and persuasive letters. Reading selections include the novel The Road by Jack London and informational texts on topics such as the science behind sunsets, the lives of important historical figures, the history of the Olympics, and the process of flotation used by archaeologists. Reading selections demonstrate concepts such as explicit and implicit information, central ideas and key details, and claims and arguments. Students will also explore literary texts from various genres, including novels, short stories, poems, and plays. Readings include The Wonderful Wizard of Oz by L. Frank Baum, excerpts from Little Women and The Adventures of Tom Sawyer, and poetry by Robert Louis Stevenson, Robert Frost, and Carl Sandburg as well multimedia readings of several videos of famous poems to demonstrate explicit and implicit information, theme, characters, plot, poetic techniques, and figurative language.

Language Arts 7 | In this full-year seventh-grade course, students explore informational texts, including biographies, personal accounts of events, presidential speeches, persuasive letters, and differences between types of musical genres. Readings include texts about historical figures such as The Story of My Life by Helen Keller, Jane Goodall, and Zora Neale Hurston to demonstrate concepts such as explicit and implicit information, central ideas and key details, and claims and arguments. Students will also analyze literary texts from novels, short stories, fairy tales, poems and plays. Readings include Alice's Adventures in Wonderland by Lewis Carroll, excerpts from Black Beauty, and poetry by Emily Dickinson, Robert Frost, William Wordsworth to demonstrate concepts such as comparing how written texts are portrayed in film or audio and ways to understand explicit and implicit information, theme, characters, plot, poetic and dramatic techniques, and figurative language.

Language Arts 8 | This full-year eighth-grade course allows students to explore analysis of literary and informational texts, including novels, short stories, myths, poems, magazine articles, and autobiographies. Readings include The Call of the Wild, short stories such as "The Lottery" and "The Tell-Tale Heart," and infographics and videos to demonstrate concepts such as explicit and implicit information, theme, central idea, figurative language, grammar, usage, and punctuation. Writings include the planning, creating, writing, revising, and editing of a fictional narrative. Students will also explore literary and informational texts, including novels, short stories, poems, articles, and political speeches. Readings include excerpts from the novels Fahrenheit 451, Hatchet, and Black Beauty, informational texts about topics such as global warming, fast food, the widespread presence of corn in food, and how sleep affects learning ability, infographics and videos to demonstrate concepts such as explicit and implicit information, theme, central idea, figurative language, grammar, usage, punctuation. Writings include informational and argument.

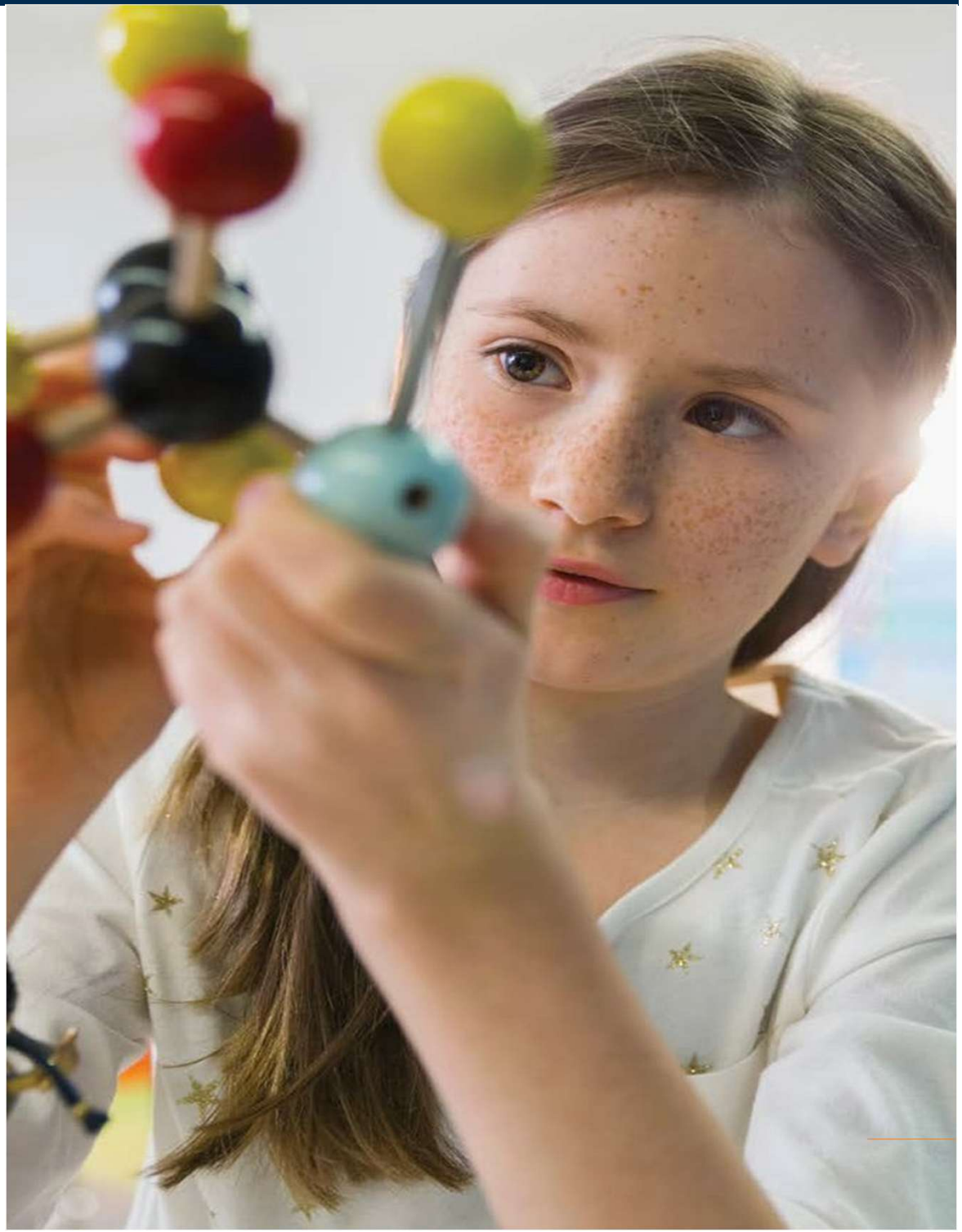
"Reading is essential for those who seek to rise above the ordinary." – Jim Rohn

6-8 | SCIENCE

Science 6 | This course investigates the interaction between systems and what factors affect their growth, and the life cycles of plants and animals to find out how they reproduce plants and animals. Topics included: cells, the hierarchy of organization, covering tissues, organs, and organ systems. Students will also explore topics through many creative and interactive assets, including virtual labs and review games to immerse students in 21st-century online learning. Topics included: energy and its transformation, matter, natural cycles, the effect of the sun on ocean and air currents, different types of pollution, and the effects of greenhouse gases on the Earth's climate.

Science 7 | This course examines concepts from the fields of chemistry, biology, and ecology. The relationship between matter, energy, and chemical reactions is explored to understand cellular respiration and photosynthesis, while synthetic materials are analyzed to see how they impact society. Students will also investigate concepts from ecology and geology to explore the interactions between and among organisms in an ecosystem. Topics covered include types of rocks, the rock cycle, and Earth's resources to explore how Earth's processes can lead to natural hazard events and severe weather, and then discover how technology can help during disasters, as well as other benefits of technology.

Science 8 | This course examines life science concepts from biology, ecology, environmental sciences, and explores scientific process to investigate the questions of ecology and genetic technology. This course will also examine physical science, such as physics and space science, and the history of science to highlight influential scientists.



6-8 | SOCIAL STUDIES

Ancient History | Takes students on a journey through the civilizations of Europe, Asia, Africa, and the Americas from ancient to early modern times. Students will explore the legacy of Rome, the rise of Christianity and Islam, and the growth of medieval kingdoms. The course examines major events such as the Crusades, the spread of Islam, the rise and fall of African empires, and the achievements of Mesoamerican and Asian civilizations. Through readings, videos, and projects, students will analyze key historical themes while building critical thinking and writing skills.

Medieval History | Explores the origins and early development of the United States. Students will study American Indian societies, European exploration, and the growth of the British colonies, leading to the causes and outcomes of the American Revolution. The course covers the nation's formative years, including the presidencies of Washington, Adams, Jefferson, and Madison, as well as key events like the War of 1812, sectional conflicts, and the rise of political parties. Students will also examine the Market Revolution, religious and social reform movements, and the changing political landscape of the 19th century, while completing a biography project on a notable historical figure.

Civics | This course examines the general structure and functions of the US systems of government, the roles and responsibilities of citizens to participate in the political process, and the relationship of the individual to the law and legal system. Topics included: The Declaration of Independence, analysis of the principles US Constitution and the debates surrounding its ratification, examining validity of sources, landmark Supreme Court cases, and the voting process. Students will also explore the economic structures for individuals, businesses, and government; the examination of how institutions influence the market economy; and how government interacts and influences the private sector. Topics included: personal finance, preparing a personal budget, national budget, analysis of interest rates, investing, debt, influence of natural resources on economies, trade, market systems, taxes, labor, and regulatory agencies.

6-8 | ELECTIVES

Spanish for Young Learners I | This course introduces the basics of the Spanish language by learning through reading, writing, listening, and speaking about personal interests and hobbies, asking for directions, and discovering the cultures of some Spanish-speaking countries, such Mexico and Colombia. Students will explore how to discuss activities with friends, using vocabulary associated with restaurants, traveling, vacations, and exploring cultures of some Spanish-speaking countries, such as Argentina, Spain, and Peru.

Spanish for Young Learners II | This course introduces school subjects, various professions, and daily routines through practice reading, writing, listening, and speaking. The course also explores cultures of some Spanish-speaking countries, such as Venezuela and Chile. Students will also explore how to discuss illness and injury, shopping, and money through reading, writing, listening, and speaking. The course also explores cultures of some Spanish speaking countries, such as Ecuador, Guatemala, and Cuba.

Class Piano 1 | Class Piano allows beginners to focus on piano basics: learning to read notes, understand rhythms, play scales, play basic chords and other tools essential to play any style of music. This course will also cover music theory. This is a great course to introduce a child to the excitement of playing the piano! While all classes are recorded and made available, Class Piano students should plan to attend live.
Materials: Alfred's Kid's Piano Course Complete: The Easiest Piano Method Ever! (approximately $25.00)

Character Education | In this course, students explore values of truthfulness, trustworthiness, responsibility, diligence, and integrity. The course offers specific, real-world situations to interpret and connect to these traits to provide safe and appropriate ways to respond in real time. Topics included: identifying bullying, how to develop a bullying-prevention mindset.

Music Appreciation | Students will gain a thorough understanding of music by studying the elements of music, musical instruments, and music history, as well as music advocacy. Students will be introduced to the orchestra and composers from around the world. They will be required to be a composer, performer, instrument inventor, and advocate.

Art Appreciation | What makes an artwork a masterpiece? Why do artists create art? What is the difference between Rococo and Art Nouveau? In this course, students will discover the answers to these questions and more. We examine the elements of art and principles of design, and explore how artists have used these elements and principles in the creation of art for centuries.

Multimedia Design (4th – 8th Grade) | This course introduces concepts and methods used in the creation of digital art. The course explores design principles, types, and common applications of digital artwork, and techniques for brainstorming and developing an artistic idea. It also covers artistic mediums such as 3D computer graphics, animation, digital video, and digital audio. The course also explores the relevant tools, techniques, and skills of each medium.

Drawing | In Drawing, students will experiment with several different art materials and tools to see what each tool can do best. Students will explore ordinary things around them to become more observant of the structures and meanings of things which can be seen in their home and community. By becoming more observant, by experimenting with new materials, and by exploring a variety of methods, students will continue to grow in artistic skill and enjoyment. Beyond fundamental skills are various levels of creativity. Each lesson provides room for expressing the technical skill learned in a unique, creative way.

Photography Basics | This course explores proper use of photography equipment, how to build a portfolio of work, and describes the steps to starting a career in this field. Topics included: the habits and etiquette of the profession.
**Photography equipment is not needed. Practice is offered through digital simulations.*

Keyboarding | The keyboarding course is appropriate for elementary and middle school students. The curriculum introduces new keys by rows where students first learn the middle row, then the top row and the bottom row of the keyboard. The content is designed with a strong focus on sight and high frequency words. This course assumes no keyboarding experience and will guide them through the keyboard.
**Practice is offered through digital simulations.*

6-8 | ELECTIVES

Scratch Coding | Scratch is a program developed by MIT teaching students the basics on how computers think! This program will have ITSE Standards woven through the course to instruct and prepare students to be responsible, informed and equipped users and innovators with technology. Students will gain foundational knowledge and skills essential for scratch coding. Students will have the opportunity to complete coding activities throughout the course to foster needed skills and creativity.

Gaming Unlocked | In this course, students research the basics of gaming, from what makes games fun to what makes them work by exploring quality in a variety of games such as mental games, board games, and video games. This course does not require students to know or learn a programming language. The emphasis is on the history and design of games and the different careers available in the gaming industry.

Middle School Exploring Information Technology | Students will explore the different career options available in IT and learn the foundations of IT to get started. Students will examine various IT pathways of web and digital communications, information and support services, network systems, and programming and software development.

MS Introduction to Coding | This course introduces the basic syntax and logic of writing in JavaScript. Topics include: the three types of data: strings, numbers, and Boolean, and their variables; performing operations on variables; basic operations are followed by logic operations and control structures. The course concludes with using procedures to simplify repeated code.

Computer Applications | In this course, students acquire knowledge of and experience in the proper and efficient use of previously written software packages. These courses explore a wide range of applications, including (but not limited to) word-processing, spreadsheet, presentation, graphics, and database programs. Courses may also cover the use of electronic mail and online collaborative software.

Middle School STEM | In Middle School STEM class, students will embark on an exciting journey to explore the areas of Science, Technology, Engineering, and Mathematics. Through hands-on activities and creative projects, students will develop a design thinking approach by implementing critical thinking skills to solve real world problems. STEM will help students build a growth mindset while fostering a love for discovery. The class is structured so that students will work independently on their project during the week and live classes will be utilized for sharing projects. Materials: A complete materials list will be provided prior to the start fo the course including instructions/ideas for parents to create a Maker-Space for their child to use during this class. Parents should expect to purchase approximately $50 for this course.

Middle School Career Explorations | This course provides instruction and practice about various topics in the world of work. These topics include jobs, careers, labor markets, traditional and nontraditional occupational roles, ethical and unethical behavior, educational pathways to careers, budgeting, communication in the workplace, and technology in the workplace. There is a short project on problem-solving skills as well as a project on searching for a job, preparing a resume and cover letter, and interviewing for a job.

Computer Literacy | The Computer Literacy class is a course in the basics of computers and teaches students how to use MS Word, Excel and PowerPoint. Students will also learn skills that are helpful in online learning. Students will use an interactive notebook for participation and checking understanding and will work on a Project Based Learning project through the semester. Students will choose a product (current or imaginary) or service for a business they would like and will create documents, such as business cards, letters, emails, spreadsheets for a budget and PowerPoint for a sales pitch as part of the project.

Middle School Journalism | Who? What? When? Where? Journalism provides us with the answers to these questions for the events that affect our lives. In this course, students will learn how to gather information, organize ideas, format stories for different forms of news media, and edit stories for publication. The course will also examine the historical development of journalism and the role of journalism in society.

MS Health | In this course, students explore how behavioral choices, such as nutrition and physical activity, affect health, then provides information to make healthy choices. Topics included: nutrition and physical activity; growth, development, and sexual health; safety and injury prevention; alcohol, tobacco, and other drugs; mental, emotional, and social health; and personal and community health.

Physical Education 6, 7, 8 | In this course, students will explore the importance of physical activity. Topics included: sports and recreation, sportsmanship, leadership, and inclusivity, safety while being active, and developing lifelong healthy habits, such as daily activity.

Middle School Exploring Business | Are you interested in business, leading people, or making decisions to help a business be successful? While there are many different career choices in the field of business, in this course, you'll discover options such as management, human resources, business operations, information management, and accounting.

9-12

HIGH SCHOOL COURSE CATALOG

9-12 | MATH

Algebra 1 | This class explores the application of properties to simplify expressions with exponents and radicals, relationships between rational and irrational numbers, solving linear equations and inequalities, applying knowledge of linear equations and inequalities to solve and graph systems of linear equations and inequalities, applying operations on polynomials, factoring quadratic expressions, and solving quadratic equations using different methods. This class also explores the analysis of different types of functions presented as equations, graphs, tables, verbal descriptions, identifying key features applied to real-world problems, using key features to compare different types of functions, transformations of functions, statistics, interpreting and analyzing data sets, as well as causation and correlation.

Algebra 1 Honors | This class explores algebraic problems and applies the knowledge to real-life situations. Topics included: linear inequalities, forms of linear equations, relate linear equations and functions, solve systems of equations and systems of inequalities, interpret solutions mathematically and contextually, statistics, measures of central tendency, relative frequencies, and scatter plots. This class also explores functions by exploring new families of functions, the effect of different transformations, key features of their graphs, and how they compare functions represented in different ways. Additional topics included: polynomials on quadratics, quadratic equations and their graphs, various methods of factoring and solving quadratic equations, exponential growth and decay, and how linear, quadratic, and exponential functions compare to one another.

Geometry | This class explores writing formal proofs and constructing geometric figures. Topics included: transformations to explain the concepts of congruent and similar figures with a focus on the properties of congruent and similar triangles. Properties are proved with postulates, theorems, and formal proofs, as well as trigonometric ratios and their applications to real-world situations. This class also explores writing formal proofs and constructing geometric figures. Topics included: slopes, midpoints, distance formula with a focus on their applications in coordinate proofs, theorems about circles as well as concepts related to circles, and two- and three-dimensional figures and probability.

Geometry Honors | This class examines congruence, proofs, and constructions to prove statements about lines, angles, triangles, and quadrilaterals; applies the knowledge of transformations to learn a formal definition for similarity to write proofs, introduces trigonometry through its connection to the concept of similarity, derive and use formulas for the areas and volumes of two- and three-dimensional figures, and they investigate cross sections and solids of revolutions. This class also explores the Pythagorean theorem, distance formula, midpoint formula, and slope formula to solve geometric problems and develop coordinate proofs. Topics included: understand and apply theorems about circles to find arc lengths and areas of sectors of circles; apply the distance formula to write equations of circles in the coordinate system; and understand the concepts of permutations and combinations to explore the concept of probability.

Algebra 2 | This class explores solving quadratic equations with complex solutions and performs operations on polynomials, uses polynomial identities to solve problems, analyzes polynomial functions using different representations, and solves polynomial equations graphically, works with rational functions, and performing arithmetic operations on rational functions to graph them. This class also explores radical equations, rewriting expressions involving radicals, and graphing and solve radical equations. Concepts of trigonometry include ratios and using the unit circle to understand them, graph sine, cosine, and tangent functions, and explore key features to prove and apply trigonometric identities.

Algebra 2 Honors | This explores polynomial, rational, radical, and trigonometric functions, solving equations, including quadratic equations over the complex numbers, as well as rational and radical equations. This class also explores modeling real-life situations with equations and inequalities, solving exponential equations with logarithms, and synthesizing and generalizing a variety of functions families, how to make probability decisions and how to use statistics and sampling processes to understand data sets and answer questions about samples and populations.

Pre-Calculus | In this course, students will understand and apply concepts, graphs and applications of a variety of families of functions, including polynomial, exponential, logarithmic, logistic and trigonometric. An emphasis will be placed on use of appropriate functions to model real world situations and solve problems that arise from those situations. A focus is also on graphing functions by hand and understanding and identifying the parts of a graph. A scientific and/or graphics calculator is recommended for work on assignments, and on examinations. This course also covers the major units of Introductory Trigonometry and Graphs, Trigonometric Equations and Identities, Analytical Trigonometry, Sequences and Series, Conic Sections and an Introduction to Calculus. A focus is also on graphing functions by hand and understanding and identifying the parts of a graph.

Financial Math | This course investigates how to solve real-life problems, analyze current financial issues of taxes, loans, car leases, mortgages, and insurance. Mathematical processes are used to study patterns and analyze data, algebraic formulas, graphs, and amortization modeling.

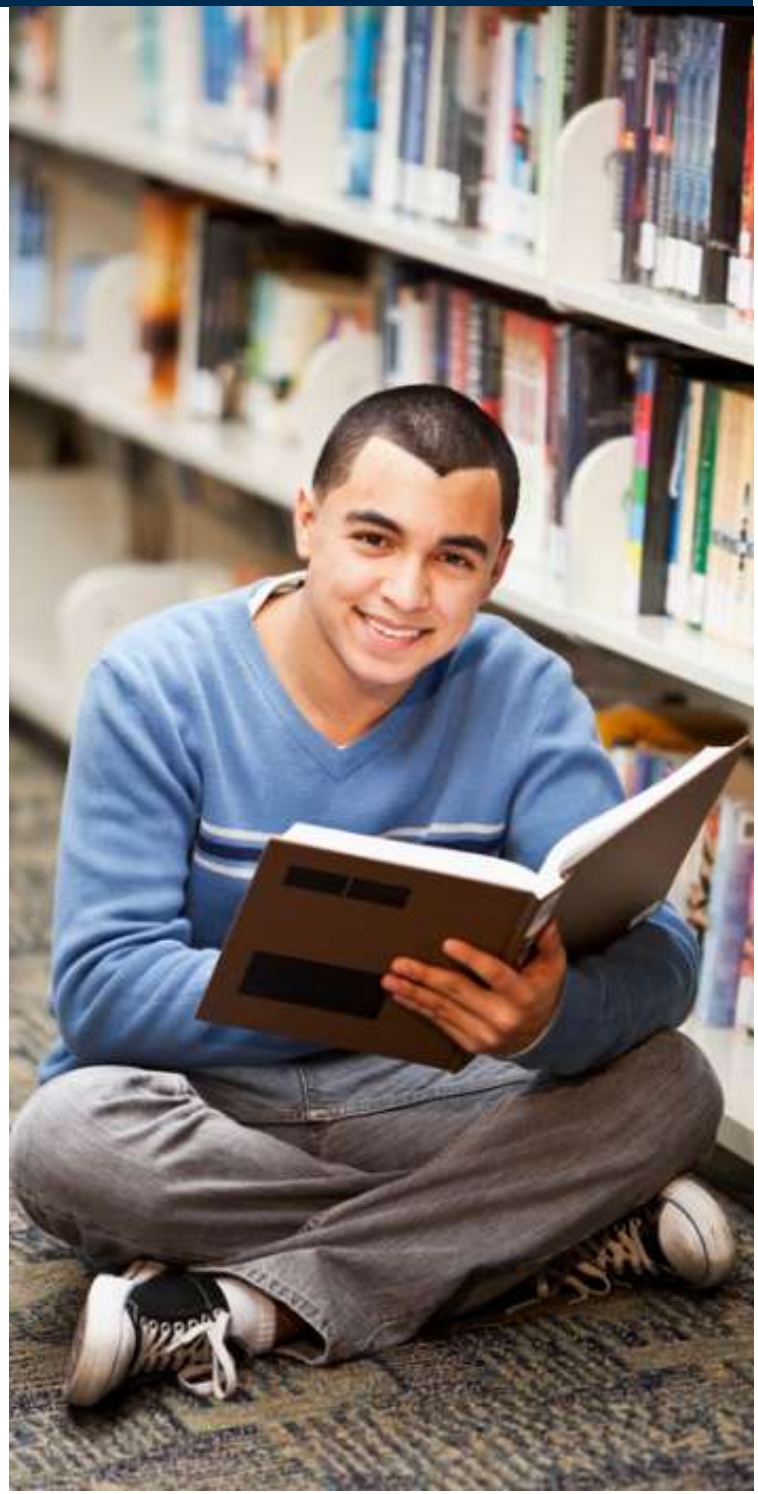
9-12 | LANGUAGE ARTS

English 9 | This course explores reading, writing, and analysis using both informational and literary texts. Readings include Anthem by Ayn Rand, among other texts of varying time periods to demonstrate concepts such as textual evidence, themes, central ideas, characters, inferences, rhetorical techniques, structure and style, and arguments and claims. Writing topics include grammar, usage, punctuation, spelling, style manuals, phrases, and clauses, culminating in an informational essay and an argument essay. Students will also explore reading, writing, and analysis using both informational and literary texts, as well as comparison of texts in different mediums. Readings include The Princess and the Goblin by George MacDonald, among others to demonstrate understanding of textual evidence, themes, central ideas, inferences, word choice, and figurative and connotative language, and grammar and usage. Writings include a personal narrative (memoir) and a literary analysis.

English 10 | This course examines reading, writing, and analysis of informational texts, argument texts, and videos to demonstrate understanding of explicit and inferred meaning, textual evidence, central ideas, arguments and claims, organizational structures, figurative and rhetorical language, and the effect of word choice on tone. Skill building focuses on spelling, grammar, usage, punctuation, domain-specific vocabulary, context clues, and affixes. Writing topics include an informational essay and an argument essay. Students will also explores reading, writing, and analysis of literary texts from around the world and across history. Readings include Antigone by Sophocles, among others to demonstrate understanding of textual evidence, themes, inferences, characterization, figurative language, figures of speech, and literary devices, as well as building about foundational knowledge of context clues, word nuances, affixes, phrases, clauses, and parallel construction. Writing topics include a literary analysis essay and a personal narrative essay.

English 11 | This course examines reading, writing, and analysis using both informational and argument texts. Readings include seminal US texts such as "What to the Slave Is the Fourth of July?" by Frederick Douglass, speeches, court documents, and scientific articles to explore textual evidence, central ideas, inferences, word choice, figurative language, spelling, hyphens, contested usage, figures of speech, and reference materials. Writing topics include a researched informational essay and a researched argument essay. Students will also explores reading, writing, and analysis using both informational and literary texts. Readings include poetry and drama, such The Crucible by Arthur Miller to demonstrate literary elements of plot, setting, character, themes, and central ideas. Comparing works from different time periods, reviewing context and word nuances, and learning about punctuation, style manuals, phrases, clauses, and parallel structure to improve reading and writing skills. Writing topics include a fictional narrative and a literary analysis.

English 12 | This course explores analysis of informational and argument texts. Readings include seminal US texts such as the Declaration of Independence, presidential speeches, court documents, and articles related to innovative technology to demonstrate rhetoric, figurative language, theme, purpose, specialized vocabulary, text structure, word nuances, inferences, research, evidence, and reference sources. In addition, students learn about context clues, contested usage, and syntax errors. Writings include a researched informational essay and a researched argument essay. Students will also analyze narrative texts from British literature—from the Middle Ages through modern times. Demonstrated skills include explicit and implicit meanings, figurative language, literary devices, central ideas, themes, and narrative and structural elements. Writings include a fictional narrative in the style of Gothic Romanticism and a literary analysis comparing and contrasting two British literature texts of different eras.



9-12 | SCIENCE

Earth Science | Students learn the importance of scientific inquiry and how to communicate the results of scientific investigations. They then have material on the formation of the universe, including the Big Bang Theory, the motions of celestial objects, and stellar evolution. Students will also learn about the Solar System, including features of the sun and planets and the movements of Earth. Students will learn about Weather, Climate, and Earth's water cycle. They will also learn about atmosphere and clouds as well as the factors that influence local and global climate. They will discuss the water cycle, including groundwater and ocean features, as well as water scarcity and pollution. This course also covers the physical structure of the Earth and Earth's tectonic system, including the rock cycle, tectonic activity, and mountain building. It then covers weathering, erosion, soil formation and the concept of systems. This course also cover geologic history, including the evolution of Earth's atmosphere, the geologic time scale, and the fossil record. It then goes over natural resources and the effects of human population on natural resources. The course wraps up with a discussion of human society and its interconnectedness with the Earth's environment, how science and technology work together, and the technological design process in earth science applications.

Biology | This course examines the basics of biochemistry and how it helps understand biological systems on Earth. Using logical thinking to identify relationships and draw conclusions, the course expands out from the building blocks of biochemistry to individual cells and cell membranes to understand cell division, reproduction, cell energy and metabolism, and photosynthesis. This course also examines the basics of genetics, natural selection, ecology, model how matter and energy flow through ecosystems, and the technology to see the larger context and implications. Topics included: biological research topics of ethical guidelines in new biotechnology.

Biology Honors | This course examines life at the cellular level by understanding how the scientific method is used by scientists to investigate questions and present their findings. Topics include chemical make up and size of cells, cell structure, the flow of energy, and how traits are inherited. This course also examines life on Earth from a big picture perspective by exploring the evolution of species and history of life on Earth. Topics included: living organisms from microorganisms to plants and animals, the human body systems, ecology, and how humans interact with the environment. Historical perspectives and societal impact of biology are included in each lesson.

Chemistry | This course examines the basics of biochemistry and how it helps understand biological systems on Earth. Using logical thinking to identify relationships and draw conclusions, the course expands out from the building blocks of biochemistry to individual cells and cell membranes to understand cell division, reproduction, cell energy and metabolism, and photosynthesis. This course also examines the basics of genetics, natural selection, ecology, model how matter and energy flow through ecosystems, and the technology to see the larger context and implications. Topics included: biological research topics of ethical guidelines in new biotechnology.

Chemistry Honors | This course examines basic principles and properties of matter to see its everyday uses. Topics include atomic models, predicting chemical reactions to see how scientists can engineer them to solve problems. The honors course offers additional examples and practice. This course also culminates in the ability to evaluate the ethical and social implications of chemistry-related technologies. Topics included: matter, types of bonds and forces that hold atoms and molecules together, states of matter, phase changes, gas laws, solutions, thermodynamics and kinetics of chemical reactions, chemical equilibrium and electrochemistry, radiation and the difference between nuclear fission and fusion. The honors course offers additional examples and practice.

Physical Science | This course examines science as a whole and leads to how methods and tools provide scientists meaningful results. Topics included: chemistry to interpret chemical names, formulas, equations, and models to discover the types and properties of reactions and nuclear reactions and their uses, historical perspectives, and the social impacts. This course also explores physics, introduces topics in engineering, and the ways scientists think, communicate, and do their jobs. The topics of motion and force, including the motion of fluids and Newton's law build a foundation to explore thermodynamics, energy, work, machines, waves, electricity, and magnetism.

Physics | In this course students begin their exploration of physics by reviewing the International System of Units (SI), scientific notation, and significant digits. They then learn to describe and analyze motion in one and two dimensions. Students learn about gravity and Newton's laws of motion before concluding the course with an examination of circular motion. Students apply mathematical concepts such as graphing and trigonometry in order to solve physics problems. Throughout the course, students apply their understanding of physics by playing roles like science museum curator and elementary teacher. Students will also begin exploring simple harmonic motion, wave properties, and optics. Students then learn the basics of thermodynamics and fluids. Afterwards, the students explore the principles of electricity and magnetism. Finally, students explore the area of physics known as Modern Physics, which includes topics such as the photoelectric effect, nuclear science, and relativity. This is a trig based course. It is assumed you know and can use trigonometry.

9-12 | SOCIAL STUDIES

United States History | This course explores European exploration and the impact Europeans had on the lives of those native to North America. Topics included: the development of the English colonies in North America, causes and effects of the American Revolution, the ratification of the Constitution, causes of the War of 1812, analysis of sectionalism as a common thread, westward expansion, Civil War, and Reconstruction, Indian Wars, immigration, and the Second Industrial Revolution. Students will also trace pivotal events in American history and presidential administrations as the 21st century dawns. Topic included: The Gilded Age, Progressive Era, World War I, the Roaring Twenties, Great Depression, New Deal, World War II, the Cold War, and proxy conflicts like the Vietnam War and Korean War, technology innovations, global communications, and the rise of terrorism.

United States History Honors | This course traces pivotal events in American history and presidential administrations as the 21st century dawns. Topic included: The Gilded Age, Progressive Era, World War I, the Roaring Twenties, Great Depression, New Deal, World War II, the Cold War, and proxy conflicts like the Vietnam War and Korean War, technology innovations, global communications, and the rise of terrorism. This course also explores European exploration and the impact Europeans had on the lives of those native to North America. Topics included: the development of the English colonies in North America, causes and effects of the American Revolution, the ratification of the Constitution, the causes of the War of 1812, analysis of sectionalism as a common thread, westward expansion, Civil War, and Reconstruction, Indian Wars, immigration, and the Second Industrial Revolution. Honors includes additional examples and practice for students.

World History | This course will explore key events and historical developments from hunter-gatherer societies to the Industrial Revolution. Beginning with the analysis of prehistoric people from the Paleolithic era to the Agricultural Revolution, the course follows the rise and fall of early empires including the Roman Empire. Topics included: The Crusades, feudalism, the plague, Asian empires and trade routes, effects of the Renaissance and Protestant Reformation, and important revolutions that shaped history. Students will also trace the developments of the last 250 years by examining the origins of modern Western imperialism and analyzing the cultural, economic, and political impacts on Africa and Asia. Topics include: the influence of the Industrial Revolution, the impact of imperialism and nationalism on World War I, how the Treaty of Versailles contributed to the rise of fascism in Europe and the start of World War II, 20th-century warfare, the Armenian Genocide, and the Holocaust.

World History Honors | This course explores the key events and global historical developments from hunter-gatherer societies to the Industrial Revolution. From the Paleolithic era and the Agricultural Revolution, students follow the rise and fall of early empires including Rome, and Asian empires. Topics included: exploration of the impact of the Renaissance, Protestant Reformation, Age of Exploration, and the American colonies, analysis of important revolutions in history, including the Scientific, American, and Industrial. This course also examines revolutions in the world and the establishment of European colonies around the globe by tracing the effects of imperialism and nationalism, eventually resulting World War I and II and the Cold War. Topics included: analyzing modern-day issues including social media, globalization, and technological advances and threats associated with them. Honors includes additional examples and practice for students.

US Government | This course examines the history and philosophy of the United States government and the guiding principles of democracy. Topics included: analysis of the United States Constitution, functions and duties of the three branches of government, the role of the Supreme Court, civic engagement in political process, the rights and responsibilities of citizens, government systems of the world, political parties, interest groups, and the media in shaping the government.

US Government Honors | This course examines early political ideas that led to the development of the United States government, and the various smaller governments that operate within the United States provides insights of local, state, and national levels of government. By examining how the United States interacts with the world regarding trade, immigration, and global conflicts, students discover how civic engagement influences the government.

Economics | This course explores principles to make informed decisions about personal finance, develop a broader understanding of national and international economic decisions and policies. Topics included: why economics impacts history, distribution of wealth, and quality of life for all members of society.

"Our child really enjoys ILA and it has brought so much joy back to learning for him!."

- Gina B., Parent

9-12 | ELECTIVES

MATH ELECTIVES

Financial Math | This course investigates how to solve real-life problems, analyze current financial issues of taxes, loans, car leases, mortgages, and insurance. Mathematical processes are used to study patterns and analyze data, algebraic formulas, graphs, and amortization modeling.

Applied Math | This course examines how artists, video game developers, and musicians apply mathematical concepts to create, and how biologists use mathematics to measure the distances between cells and gain new insights about the body by applying concepts from geometry, functions, probability, and statistics.

College Math Preparation | This course explores mathematics in real-life situations, such as investments and interest, calculating loans, and annuities. Topics included: comparing and contrasting solutions; interpreting results of calculations in context to a problem; calculating perimeter, area, surface area, and volume; converting units of measurement between different systems; and solving problems using exponential growth. Students will also explore how to make probability decisions, as well as how to use basic statistics and sampling processes to understand data sets and answer questions about samples and populations. Topics included: distinguishing between sets, using Venn diagrams to solve applied problems, probability and permutations, statistics, and calculating and interpreting data.

ENGLISH ELECTIVES

Reading and Writing for Purpose | Context is the key to unlocking students' reading and writing abilities. Reading and Writing with Purpose personalizes students' experiences by placing its reading examples and writing activities in familiar contexts – personal, academic, and workplace. Guiding students through the reading and writing process, this course provides step-by-step instructions to breakdown each reading and writing skill, turning students into efficient readers and effective essay writers.

Creative Writing | 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.

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

Mythology and Folklore | Mighty heroes. Angry gods and goddesses. Cunning animals. Since the first people gathered around fires, mythology and folklore has been used as a way to make sense of humankind and our world. Beginning with an overview of mythology and different kinds of folklore, students will journey with ancient heroes as they slay dragons and outwit gods, follow fearless warrior women into battle, and watch as clever monsters outwit those stronger than themselves. They will explore the universality and social significance of myths and folklore and see how these are still used to shape society today.

Journalism | This course is designed to prepare you to become a student of journalism and media. The work we do here will equip you with the critical skills you must have to succeed in high school media, college media, and beyond. We will read a variety of journalistic material and do a great deal of news writing. We will also look at journalism from legal, ethical, and historic vantage points. Expect to complete numerous writing activities in a variety of styles including editorial, hard news, feature, review, and more. If you participate actively, you will gain tremendous skills that will serve you for the rest of your life. Individual and group project will also be a part of this class. This course is a project-based course and does not include traditional tests, unit level understanding is assessed through unit projects.

SCIENCE ELECTIVES

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

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

9-12 | ELECTIVES

SCIENCE ELECTIVES CONT.

Marine Science | Students will delve deep into Earth's bodies of water and study geologic structures and how they impact the oceans. They will investigate characteristics of various populations of aquatic life, patterns of distribution, and ongoing changes occurring in our ecosystem.

Veterinary Science | As animals play an increasingly important role in our lives, scientists have sought to learn more about their health and well-being. Taking a look at the pets that live in our homes, on our farms, and in zoos and wildlife sanctuaries, this course will examine some of the common diseases and treatments for domestic animals. Toxins, parasites, and infectious diseases impact not only the animals around us, but at times, we humans as well! Through veterinary medicine and science, the prevention and treatment of diseases and health issues is studied and applied.

Anatomy and Physiology | The aim of this course is to expand upon what was learned in your Biology class, while emphasizing the application of this material to human structures and functions. This course begins the study of human beings at the microscopic level and works its way up to an in-depth study of select organ systems. Special emphasis will be placed upon applying and demonstrating the information learned in this course through, not only tests and quizzes, but through special projects and collaboration as well.

Environmental Science | This course examines the relationships between organisms and the environment, including impacts of research on scientific thought and the environment by using scientific practices, evidence-based data and its display, as well understanding how data informs societal decision making.

SOCIAL STUDIES ELECTIVES

African American History | How have African Americans shaped the culture of the United States throughout history? Tracing the accomplishments and obstacles of African Americans from the slave trade through emancipation, and to the modern African diaspora, you will learn about the political, economic, social, religious, and cultural factors that have influenced African American life. In African American History, you'll come face to face with individuals who changed the course of history and learn more about slavery, racism, and the Civil Rights Movement. You will also explore how the history of African Americans influences current events today.

History of the Holocaust | Holocaust education requires a comprehensive study of not only times, dates, and places, but also the motivation and ideology that allowed these events. In this course, students will study the history of anti-Semitism; the rise of the Nazi party; and the Holocaust, from its beginnings through liberation and the aftermath of the tragedy. The study of the Holocaust is a multi-disciplinary one, integrating world history, geography, American history, and civics. Through this in-depth, semester-long study of the Holocaust, high school students will gain an understanding of the ramifications of prejudice and indifference and the potential for government-supported terror, and they will get glimpses of kindness and humanity in the worst of times.

9-12 | ELECTIVES

SOCIAL STUDIES ELECTIVES CONT.

World Geography | Students will explore the five themes of geography, analyzes the earth's processes, and how the processes impact both physical and human geography. Both physical and political maps are studied to examine trends and impacts with a focus on the Americas, Central Asia, and Europe. Students will also explore the five themes of geography with a focus on the Middle East, Africa, and Asia. Cultural beliefs and social and political systems are examined within the context of countries, regions, and global interactions.

Archeology | Detectives of the Past (E) George Santayana once said, "Those who cannot remember the past are condemned to repeat it." The field of archeology helps us to better understand the events and societies of the past that have helped to shape our modern world. This course focuses on the techniques, methods, and theories that guide the study of the past. Students will learn how archaeological research
is conducted and interpreted, as well as how artifacts are located and preserved. Finally, students will learn about the relationship of material items to culture and what we can learn about past societies from these items.

World Religions | Throughout the ages, religions from around the world have shaped the political, social, and cultural aspects of societies. This course focuses on the major religions that have played a role in human history, including Buddhism, Christianity, Confucianism, Hinduism, Islam, Judaism, Shintoism, and Taoism. Students will trace the major developments in these religions and explore their relationships with social institutions and culture. The course will also discuss some of the similarities and differences among the major religions and examine the connections and influences they have.

FINE ARTS

Music Appreciation | Students will gain a thorough understanding of music by studying the elements of music, musical instruments, and music history, as well as music advocacy. Students will be introduced to the orchestra and composers from around the world. They will be required to be a composer, performer, instrument inventor, and advocate.

Class Piano 1 | Class Piano allows beginners to focus on piano basics: learning to read notes, understand rhythms, play scales, play basic chords and other tools essential to play any style of music. This course will also cover music theory. This is a great course to introduce a child to the excitement of playing the piano! While all classes are recorded and made available, Class Piano students should plan to attend live.
Materials: Alfred's Piano 101, book 1 (approximately $25.00)

Art in World Cultures | This course provides an introduction to fundamental techniques and concepts of representational and expressive drawing within a variety of media. Emphasis is on object representation, spatial illusion, and the organization of structural relationships in two-dimensional space.

Art History: Origins (1) | Students will explore art of the prehistoric, ancient, medieval, Renaissance and Rococo periods to understand how to read and interpret art.
** Given the subject matter, the course is extensively visual. Please also be aware that this course includes depictions of nudity, as many art movements celebrated the human form. Many important and influential works of art include nudity, and it would be nearly impossible to teach art history without including them.*

Art History: Modern (2) | Students will explore art of the late 1700s to modernity from Western movements in artworks and architecture to China, Japan, Africa, Oceania, Southeast Asia, India.
** Given the subject matter, the course is extensively visual. Please also be aware that this course includes depictions of nudity, as many art movements celebrated the human form. Many important and influential works of art include nudity, and it would be nearly impossible to teach art history without including them.*

Art: Intermediate Drawing | In this course students will be working on improving our drawing skills by improving shading, line, and value. Students will be actively practicing in their sketching and will complete several larger projects.

Art: Introduction to Painting | In this course students will be learning about the different properties of watercolor, acrylic and oils. We will focus on the elements of art of color, value, shape and form. Students will actively practice painting techniques and will complete several larger projects.

9-12 | ELECTIVES

PHOTOGRAPHY

Photography Basics | This course explores proper use of photography equipment, how to build a portfolio of work, and describes the steps to starting a career in this field. Topics included: the habits and etiquette of the profession.

**Photography equipment is not needed. Practice is offered through digital simulations.*

Digital Photography I | Have you ever wondered how photographers take such great pictures? Have you tried to take photographs and wondered why they didn't seem to capture that moment that you saw with your eyes? The Digital Photography I course focuses on the basics of photography, including building an understanding of aperture, shutter speed, lighting, and composition. Students will be introduced to the history of photography and basic camera functions. Students will use the basic techniques of composition and camera functions to build a portfolio of images, capturing people, landscapes, close-ups, and action photographs.

Digital Photography II | In today's world, photographs are all around us, including in advertisements, on websites, and hung on our walls as art. Many of the images that we see have been created by professional photographers. In this course, we will examine various aspects of professional photography, including the ethics of the profession, and examine some of the areas that professional photographers may choose to specialize in, such as wedding photography and product photography. We will also learn more about some of the most respected professional photographers in history, and we will learn how to critique photographs in order to better understand what creates an eye-catching photograph.

HUMANITIES

Philosophy | This course will take you on an exciting adventure that covers more than 2,500 years of history! Along the way, you'll run into some very strange characters. For example, you'll read about a man who hung out on street corners, barefoot and dirty, pestering everyone he met with questions. You'll learn about another eccentric who climbed inside a stove to think about whether he existed. Despite their odd behavior, these and other philosophers of the Western world are among the most brilliant and influential thinkers of all time. As you learn about these great thinkers, you'll come to see how and where many of the most fundamental ideas of Western civilization originated. You'll also get a chance to ask yourself some of the same questions these great thinkers pondered. By the time you've "closed the book" on this course, you will better understand yourself and the world around you—from atoms to outer space, and everything in between.

Introduction to Animation | Have you ever watched a cartoon or played a video game where the animation of characters captivated you so much you wanted to create your own? If so, it's time to immerse yourself in the world of animation. Meet the industry players such as directors, animators, and 3D modelers. Develop your story by exploring design, the 12 principles of animation, creating a storyboard, and leveraging the tools of the trade. Let's bring your story to life with animation!

Animation: Animating Your Creativity | It's time to start animating like the pros! In this hands-on course, you'll immediately start exploring the software Blender, your gateway to 3D modeling, computer animation, and postproduction procedures used in the film industry. Discover 3D modeling and animation of characters. Explore the basics of human anatomy and form to apply rigging, joints, and texture. Examine rendering and lighting effects and how to apply sound. And discover careers so you can start using your new skills right away.

9-12 | ELECTIVES

HUMANITIES CONT.

Anthropology I | The aim of anthropology is to use a broad approach to gain an understanding of our past, present and future, and in addition, address the problems humans face in biological, social and cultural life. This course will explore the evolution, similarity and diversity of humankind through time. It will look at how we have evolved from a biologically and culturally weak species to one that has the ability to cause catastrophic change. Exciting online video journeys to different areas of the anthropological world are just one of the powerful learning tools utilized in this course.

Anthropology II | Anthropology has helped us better understand cultures around the world and through different time periods. This course continues the study of global cultures and the ways that humans have made sense of their world. We will examine some of the ways that cultures have understood and given meaning to different stages of life and death. The course will also examine the creation of art within cultures and how cultures evolve and change over time. Finally, we will apply the concepts and insights learned from the study of anthropology to several cultures found in the world today.

BUSINESS/ COMMUNICATION/ TECH

3D Modeling | Are you interested in a career in technology? Are you curious about working in fields like virtual reality, video game design, marketing, television and motion pictures, or digital imaging? If so, this class is for you. Students will gain a deeper understanding of graphic design and illustration and they use 3-D animation software to create virtual three-dimensional design products.

Intro to Office Administration | Students learn effective verbal and written communication, speaking, and listening skills to work with diverse people and teams. Then dive into learning how to leverage various technology and software businesses use to stay connected and productive.

Advertising and Sales Promotion | This introduction to marketing class will allow students to master the basics of marketing, including core concepts such as financing, pricing, distribution, product management, and more. Throughout the course, the student will learn about the basics of economics and economic systems, managing business finances, accounting practices, operating a business in the global marketplace, generating business ideas and seeking out business opportunities, creating a business plan, and promoting and advertising a business.

Business Communication | Students explore business communication, including letters, memos, electronic communication, written reports, oral presentations, and interpersonal communication. Resumes, application letters, interviewing tips, and employment follow-up are also covered.

Business Information Management | This course introduces students to essential knowledge of business types, requirements to start a business, understanding of finances, business law, marketing, sales, customer service, and more, will ensure you're on the path to success. Let's explore your passion for business in this course!

Business Law | Students will learn about the American legal system. They examine ethics, court systems, criminal law, and law of torts. They examine how the court systems work together, and what misconduct results in going to court. It is important to also understand your consumer rights. As they progress through the course, they will also gain an understanding from a business perspective what is right and wrong business actions and employment laws. As an employee or employer it is important to understand the laws that protect the employee and employer. The study will focus on the formation of a business and the basic legal issues associated with each type of business.

Concepts of Engineering and Technology | Each In this course, students will learn more about engineering and technology careers and what skills and knowledge will be needed to succeed in these fields. Students will explore innovative and cutting-edge projects that are changing the world we live in and examine the design and prototype development process.

Entrepreneurship | This course explores entrepreneurial characteristics, business leadership, and the skills and steps involved in marketing, developing, starting, and exiting a business. Key topics and activities include hands-on projects to apply the knowledge as a small business owner and entrepreneur. The course is aligned to the Marketing, Sales, and Services CTE pathway.

9-12 | ELECTIVES

CAREER READINESS EDUCATION

Career Planning | This course guides students through the essential elements of the career planning process and the development of a defined career plan. Students will consider the many factors that impact career success and satisfaction. Using a process of investigation, research, and self-discovery, students will acquire the understandings critical to the career planning process. Upon completion of the course, students will have created a practical and comprehensive college or career transition portfolio that reflects their skills and abilities, as well as their interests, values, and goals.

Introduction to Early Childhood Education | This course provides the historical, theoretical, and developmental foundations for educating young children, with emphasis on creating inclusive environments and curricula for diverse children and their families. Topics include historical influences, program types, guidance strategies, professionalism, current trends and issues, and advocacy.

National Security | Do you know what it takes to keep an entire nation safe? It not only requires knowledge of how to handle disasters, but it also demands a cool head and tremendous leadership abilities. Learn about the critical elements of the job, such as evaluating satellite information, analyzing training procedures, assessing military engagement, preparing intelligence reports, coordinating information with other security agencies, and applying appropriate actions to various threats. Discover the requirements of our nation's most demanding career.

Introduction to Medical Assisting | Students explore the role of the medical assistant, including professionalism, duties and responsibilities, and medical specialties. Also included is information on medical law and ethics, office management, and compliance and regulatory issues affecting the role of the medical assistant.

Introduction to Law & Order | Students receive an overview of substantive and procedural areas of law and legal practice. They explore the legal profession, courts, ethics, sources of law, and alternative dispute resolution systems, and they analyze an application of law to factual circumstances.

Introduction to Manufacturing | Think about the last time you visited your favorite store. Have you ever wondered how the products you buy make it to the store shelves? Whether it's video games, clothing, or sports equipment, the goods we purchase must go through a manufacturing process before they can be marketed and sold. In this course, you'll learn about the types of manufacturing systems and processes used to create the products we buy every day. You'll also be introduced to the various career opportunities in the manufacturing industry, including those for engineers, technicians, and supervisors. As a culminating project, you'll plan your own manufacturing process for a new product or invention! If you thought manufacturing was little more than mundane assembly lines, this course will show you just how exciting and fruitful the industry can be.

Introduction to Legal Admin Specialist | The student will explore the role of paralegals in the legal system, paralegal skills, legal working environments, ethical considerations, and career opportunities. The student is introduced to the sources of law, an overview of courts, and alternative dispute resolution systems.

Medical Terminology | Students explore medical terminology and its symbols and abbreviations, as well as the application of this new language in health care. They learn medical terms relating to body structure and function, and how to construct terms using word parts such as roots, suffixes, and prefixes.

Medical Diagnostic Technology | Students will learn about different diagnostic technology, procedures, essential body systems, and fluids that need to be understood to make an accurate diagnosis of a disease, condition, or illness. This career field is flourishing and now it is the time to be part of it!

Principles of Public Service | Are you familiar with the term "public service"? When we think about public service, our thoughts often turn to professionals such police officers, EMTs, and firefighters. While these are well-known public servants, many others work to keep our communities safe, healthy, and productive. In this course, you'll learn about many different areas of public service, including education, civil engineering, and social services. You'll also look at the requirements for public service in general, as well as the specific skills needed to be successful in each area of public service. Who knows? You may even discover the career you were meant to pursue!

Restaurant Management | Have you always dreamed of running your own restaurant? Maybe you want to manage a restaurant for a famous chef. What goes on beyond the dining room in a restaurant can determine whether a restaurant is a wild success or a dismal failure. In Restaurant Management, you'll learn the responsibilities of running a restaurant—from ordering supplies to hiring and firing employees. This course covers the different types of restaurants; managing kitchen and wait staff; food safety and hygiene; customer relations; marketing; using a point-of-sale system; scheduling employees; and dealing with difficult guests. Restaurant Management will prepare you for a steady career, whether you plan to buy a fast food franchise, operate a casual sit-down restaurant, or oversee a fine-dining establishment.

Hospitality and Tourism | 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 current and future trends.

9-12 | ELECTIVES

CAREER READINESS EDUCATION CONT.

Culinary Arts I | Thinking of a career in the food service industry or looking to develop your culinary skills? Explore basic cooking and knife skills while preparing yourself 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. Prepare for your future by building the professional, communication, leadership, and teamwork skills that are crucial to a career in the culinary arts.

Culinary Arts II: 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, this course 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!

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

Theater, Cinema, & Film Production | Lights! Camera! Action! This course will introduce students to the basics of film and theater productions. Students will learn about the basics of lighting, sound, wardrobe, and camerawork for both film and theater settings. The course also explores the history of film and theater and the influence that they have had on society. Students will analyze and critique three influential American films; "Casablanca," "Singin' in the Rain," and "The Wizard of Oz."

Criminology & Justice | This course is a beginner-level course on criminal procedures that explores the criminal justice system, non-forensic evidence, and what happens inside the courtroom. It is an introduction the Public Services CTE pathway.

Criminology & Forensics | This course is a beginner level course on the topics of crime and forensic procedures exploring topics on crime and criminology, witnesses and perpetrators, and the crime lab.

Dental Assistant I | Students will start by learning the different roles within a dentist's office, organizations to get involved with, and basic head, neck, and dental anatomy. Learn what it takes to embark on a career sure to provide personal and professional fulfillment.

Cosmetology | Interested in a career in cosmetology? This course provides an introduction to the basics of cosmetology. Students will explore career options in the field of cosmetology, learn about the common equipment and technologies used by cosmetologists, and examine the skills and characteristics that make someone a good cosmetologist. Students will also learn more about some of the common techniques used in caring for hair, nails, and skin in salons, spas, and other cosmetology related businesses.

Health Science I | Will we ever find a cure for cancer? What treatments are best for conditions like diabetes and asthma? How are illnesses like meningitis, tuberculosis, and the measles identified and diagnosed? Health sciences provide the answers to questions such as these. In this course, students will be introduced to the various disciplines within the health sciences, including toxicology, clinical medicine, and biotechnology. They will explore the importance of diagnostics and research in the identification and treatment of diseases. The course presents information and terminology for the health sciences and examines the contributions of different health science areas.

Health Science II | Challenging. Variable. Rewarding. These three words can be used to describe many careers in the health sciences. In this course, you will learn more about what it takes to be a successful health science professional, including how to communicate with patients. You'll explore the rights and responsibilities of both patients and health science professionals in patient care and learn more about how to promote wellness among patients and health care staffs. Finally, you'll learn more about safety in health science settings and the challenges and procedures of emergency care, infection control, and blood-borne pathogens.

Health Science: Nursing | Nursing is an in-demand career, perfect for someone looking for a rewarding and challenging vocation in the healthcare sector. With a strong focus on patient care, a nurse must be skilled in communication, promoting wellness, and understanding safety in the workplace. In this course, students will explore communication and ethics, anatomy and physiology, and the practice of nursing. Learn how to build relationships with individuals, families, and communities and how to develop wellness strategies for your patients. From emergency to rehabilitative care to advances and challenges in the healthcare industry, discover how you can launch a fulfilling career providing care to others.

Health Science: Public Health | What is public health? Who is in control of our health systems and who decides which diseases get funding and which do not? What are the human and environmental reasons for health inequality? Health Science: Public Health answers all of these questions and more. You will study both infectious and non-communicable diseases as well as learn how we conquer these on a community and global level through various methods, including proper hygiene, sanitation, and nutrition. Explore the role current and future technologies play worldwide as well as consider the ethics and governance of health on a global scale. Discover unique career opportunities, and fascinating real-life situations.

9-12 | ELECTIVES

HEALTH/ PHYSICAL EDUCATION

Health | This course explores how behavioral choices, such as nutrition and physical activity, affect health, then provides information to make healthy choices. Topics included: nutrition and physical activity; growth, development, and sexual health; safety and injury prevention; alcohol, tobacco, and other drugs; mental, emotional, and social health; and personal and community health.

Physical Education | This course examines the importance of physical activity, personal fitness, and healthy eating habits. Topics included: useful techniques and different aspects of sport and recreation, a personal fitness evaluation, the design of a personal exercise plan and tracking of results. This course also explores key concepts that lead to improved fitness, wellness, and overall health. Topics included: description of the human body, including anatomy, physiology, and nutrition; practical applications, such as metabolism manipulation, correct exercise form, and effective programming for personal health goals.

Personal Fitness | This course explores key concepts from combative sports, gymnastics and tumbling, and a variety of team sports and activities. The focus is on advanced fitness guidelines and cognitive factors that affect performance. Topics included: motor skill development, game strategy, self-evaluation of fitness, setting goals, designing an exercise plan, and tracking results. This course also explores how to develop personalized physical fitness plans while completing physical activities throughout the course. Topics included: how to assess fitness levels, modify fitness goals, evaluate fitness products and programs, leadership, and progress tracking in a daily physical activity log.

GENERAL ELECTIVES

Introduction to Social Media | Have a Facebook account? What about Twitter? Whether you've already dipped your toes in the waters of social media or are still standing on the shore wondering what to make of it all, learning about how to interact on various social media platforms is crucial in order to survive and thrive in this age of digital communication. In this course, you'll learn the ins and outs of social media platforms like Facebook®, Twitter®, Pinterest®, Google+®, and more. You'll also discover other types of social media you may not have been aware of and how to use them for your benefit—personally, academically, and eventually professionally as well. If you thought social media platforms were just a place to keep track of friends and share personal photos, this course will show you how to use these resources in much more powerful ways.

Personal and Family Finance | How do our personal financial habits affect our financial future? How can we make smart decisions with our money in the areas of saving, spending, and investing? This course introduces student s to basic financial habits such as setting financial goals, budgeting, and creating financial plans. Students will learn more about topics such as taxation, financial institutions, credit, and money management. The course also addresses how occupations and educational choices can influence personal financial planning, and how individuals can protect themselves from identity theft

9-12 | ELECTIVES

GENERAL ELECTIVES

Graphic & Web Design | This course explores visual communication and explores the range of careers in the field. Topics included: principles of design, ethics of creative fields, and the publishing process.

Game Design II | Are you ready to enter this multi-billion-dollar industry and start applying your technical skills into a compelling package that will catch the eye of an employer? Beginning with conceptualization and the design process, you'll develop your game's story elements, narrative, plot, characters, and assets. Using game design software, you'll bring your game to life by applying lighting, audio, visual effects, player choice options, AI, and consider the type of controls to use for your game.

Introduction to Business | This course introduces students to the basic business concepts that will help them understand how a business survives in today's economy and the role that consumers play in the same economy. Students will learn how to balance a checkbook, save for the future, and use credit wisely. Students will also learn how to create a resume and how to participate in a job interview.

Introduction to Communication | The student will examine the communication process, including elements of listening and verbal and nonverbal communication. The course also explores how these communication elements operate between self, individuals, and groups. Communication concepts and skills are explored through a variety of methods and activities.

Introduction to Finance | Students gain an understanding of financial management, including key language and terminology, time-value of money, financial markets and securities, financial statements, financial analysis, risk and return, valuation of stocks and bonds, capital budgeting and valuation, cost of capital and capital structure, working capital management, dividend policy, and international finance. Students apply financial tools and understand how they impact financial decision making.

Introduction to Management | The student is introduced foundational management concepts such as leadership, managing teams, entrepreneurship, global business, finance, and technology and innovation. Engage in a capstone that pulls all of the concepts you've learned together, allowing you to see how management ideas can be applied to a business case study. Get started with learning the fundamentals of successful management.

International Business | From geography to culture global business is an exciting topic in the business community today. This course is designed to help students develop the appreciation, knowledge, skills, and abilities needed to live and work in a global marketplace. Students will gain a global view of business, learn how today's businesses are more interconnected than ever, and investigate why and how companies go international. The course further provides students a conceptual tool by which to understand how economic, social, cultural, political and legal factors influence both domestic and cross-border business. Business structures, global entrepreneurship, business management, marketing, and the challenges of managing international organizations will all be explored in this course. Students will cultivate a mindfulness of how history, geography, language, cultural studies, research skills, and continuing education are important in both business activities and the 21st century.

Introduction to Women's Studies | This course, although looking specifically at the experiences of women, is not for girls only. If you are a student interested in exploring the world through film, and are open-minded enough to be interested in social change, then this course is for you.

Principles of Marketing | Students explore the interactions between businesses, consumers, and the economy as well as the role of marketing and how marketers get their information. The course culminates in the creation of a marketing plan.

Public Speaking | Students will explore effective communication skills for success in a variety of speaking situations. Topics include: small and large group discussions, delivery speeches in front of audiences, research and organization, writing for verbal delivery, stylistic choices, visual and presentation skills, analysis and critique, and development of self-confidence.

Sports and Entertainment Marketing | Students have the opportunity to explore basic marketing principles and delve deeper into the multi-billion-dollar sports and entertainment marketing industry. They will learn about how professional athletes, sports teams, and well-known entertainers are marketed as commodities and how some of them become billionaires as a result. This course introduces fundamentals on how things work behind the scenes of a major sporting event, such as the Super Bowl, or how to play a role in such an event.

Life Skills | This course provides an opportunity for students to explore important decisions they may have to make as teenagers. It includes important information pertaining to nutrition, substance abuse, coping with stress, sexual issues, and more. The course teaches students how to be savvy consumers in a world of advertising and credit cards, and it reviews Earth-friendly practices.

Sociology | This Course examines the basics of sociology, which is the study of society including individuals, human groups, and organizations. The course is divided into four main areas: the sociological perspective, social structures, inequality in society, and social institutions and change. Students will examine controversies around social change, inequality, gender, and race. The course revolves around an overview of the field with projects that offer the student a chance to explore from a sociologist's perspective.

Executive Functioning | The Executive Functioning Skills course is designed to support our special education students in developing essential cognitive processes for success. Students will learn tools and strategies to enhance their executive functioning abilities, leading to increased independence and success in academics and daily life. Embedded in all core courses are interactive activities, discussions, and assignments tailored to individual learning needs, focusing on self-awareness, self-regulation, goal-setting, problem-solving, time management, organization, and effective communication.

9-12 | ELECTIVES

GENERAL ELECTIVES CONT.

Psychology | This course explores human behavior, behavior interaction and the progressive development of individuals. Topics included: major theories and orientations of psychology, psychological methodology, human growth and development, individual variation and personality, psychobiology, as well as sensation and perception. This course also explores human social interactions, psychological therapies, and careers in the field. Topics included: psychological perspectives, positive relationships, social and cultural diversity, language structures, memory and cognition, psychological testing, statistical research, stress/coping strategies, and mental health.

Peer Counseling | Helping people achieve their goals is one of the most rewarding of human experiences. Peer counselors help individuals reach their goals by offering them support, encouragement, and resource information. This course explains the role of a peer counselor, teaches the observation, listening, and emphatic communication skills that counselors need, and provides basic training in conflict resolution and group leadership. Not only will this course prepare you for working as a peer counselor, but the skills taught will enhance your ability to communicate effectively in your personal and work relationships.

Social Problems I | Students will become aware of the challenges faced by social groups, as well as learn about the complex relationship among societies, governments and the individual. Each unit is focused on a particular area of concern, often within a global context. Possible solutions at both the structural level as well as that of the individual will be examined. Students will not only learn more about how social problems affect them personally, but begin to develop the skills necessary to help make a difference in their own lives and communities—not to mention globally.

Social Problems II | This course continues to examine social issues affecting individuals and societies around the globe. Students learn about the overall structure of the social problem, as well as how it impacts their lives. Each unit focuses on a particular social problem, including racial discrimination, drug abuse, the loss of community, and urban sprawl, and discusses possible solutions at both individual and structural levels. For each issue, students examine connections in the global arena involving societies, governments and the individual.

WORLD LANGUAGES

Spanish I, II | This course introduces the basics of the Spanish language by learning through reading, writing, listening, and speaking about personal interests and hobbies, asking for directions, and how to discuss activities with friends using vocabulary associated with restaurants, traveling, vacations. The course also explores cultures of some Spanish-speaking countries, such as Mexico. Colombia, Argentina, Spain, and Peru. This course also explores how to discuss school subjects, professions, and daily routines, as well as illness and injury, shopping, and money through reading, writing, listening, and speaking. The course also explores cultures of some Spanish-speaking countries, such as Venezuela, Chile, Ecuador, Guatemala, and Cuba.

Spanish III | Students builds reading and writing of informative, argumentative, and descriptive texts, listening, and speaking skills using the indicative subjunctive, and imperative moods. The course also explores significant historical events of some Spanish-speaking countries, as well as cultural products, practices, and philosophies. Students will continue acquiring the Spanish language through reading poems and short stories by notable Spanish-language authors. The continuation of writing, listening, and speaking includes exploring behavioral norms in different Spanish-speaking cultures, in order to discuss these topics in the indicative and subjunctive moods in a variety of tenses.

9-12 | WORLD LANGUAGES

WORLD LANGUAGES CONT.

French I | This class focuses on developing listening skills by repeated exposure to the spoken language. Speaking skills are encouraged through recommended assignments using voice tools. Reading and writing skills, as well as language structures, are practiced through meaningful, real-life contexts. The use of technology enhances and reinforces authentic language development and fosters cultural understandings through exposure to native speakers and their daily routines. This class also focuses on developing listening skills by repeated exposure to the spoken language. Speaking skills are encouraged through recommended assignments using voice tools. Reading and writing skills, as well as language structures, are practiced through meaningful, real-life contexts. The use of technology enhances and reinforces authentic language development and fosters cultural understandings through exposure to native speakers and their daily routines.

French II | This class focuses on the continuation and enhancement of language skills presented in Level 1. Vocabulary and grammar structures are revisited and expanded to provide students an opportunity to move towards an intermediate comprehension level. Speaking and listening skills are enhanced through recommended real-life voice activities. Listening skills are honed through online dialogues. Reading and writing skills are developed through access to completion of meaningful activities, reading of culturally-related articles of interest and responding to reading in the target language. The use of technology enhances and reinforces authentic language development and fosters cultural understandings through exposure to native speakers and their daily routines. Vocabulary and grammar structures are revisited and expanded as students explore other French-speaking areas. Speaking and listening skills are enhanced through recommended real-life voice activities. Listening skills are honed through online dialogues. Reading and writing skills are developed through access to completion of meaningful activities related to travel, to the Olympics, to natural disasters, and to the space program. Reading of culturally related articles of interest and responding to reading in the target language, along with the use of technology, reinforces authentic language development and fosters cultural understandings through exposure to native speakers and their daily routines.

Sign Language I | In this course, students are introduced to the fundamental concepts of American Sign Language. Students explore vocabulary, grammar, and conversational skills using basic signing and fingerspelling techniques. They are exposed to activities and exercises that help them understand the culture of deaf and hard-of-hearing people.

Sign Language II | In this course, students continue their study of American Sign Language (ASL). Students expand their ASL vocabulary, grammar, and conversational skills. In addition, students complete activities and exercises that help them understand the culture of the deaf and hard-of-hearing community, including analyzing Deaf View/Image Art (De'VIA).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