



2027 COURSE CATALOG

Course Catalog Quick Access

Welcome to the 2027 Course Catalog. Select the appropriate grade band below to view available courses and course descriptions.

E

Elementary School | Grades 3-5

Explore elementary core courses, Bible, electives, fine arts, technology, and enrichment opportunities designed for elementary learners.

[VIEW CATALOG ›](#)

M

Middle School | Grades 6-8

Explore middle school core academics, Bible, world languages, fine arts, technology, career exploration, and elective opportunities.

[VIEW CATALOG ›](#)

H

High School | Grades 9-12

Explore high school core academics, Honors and Advanced Placement® offerings, Bible, Career & Technical Education pathways, world languages, and electives.

[VIEW CATALOG ›](#)

Need Help Selecting Courses?

Our Admissions Team is happy to help review course options and answer questions.

888-866-4989

Option 1



2027 IVA Elementary School Course Catalog

At Ignitia Virtual Academy (IVA), we're excited to offer a diverse selection of faith-based and traditional courses designed to support every student's educational journey. Courses designated as *Secular* use a traditional curriculum, while all other courses are taught from a biblical worldview. Our team is happy to answer any questions about our course offerings.

Our 3–5 program provides elementary students with a strong academic foundation through four core courses, with the option to add a grade-level Bible course.

⚠ Parent involvement is essential in this program. At the elementary level, students need daily support and guidance from a parent or learning coach to stay on track and succeed. Families play a hands-on role in the learning process, partnering with us to ensure students get the most from their courses.

Course offerings are subject to change based on teacher availability and class capacity. Unless otherwise noted with an asterisk (*), all courses are **full-year** courses divided into two semesters—**Semester A** and **Semester B**. Refer to the **key** below for information on one-semester courses, limited seating, and other important information.

KEY: * One-Semester Course | ° Limited Seating / Waitlist or Extended Enrollment Processing | ^{CR} Credit Recovery Available | ◇ Secular Course

ELEMENTARY SCHOOL — COURSE OFFERINGS

LANGUAGE ARTS

- Language Arts 3 ^{CR}
- Language Arts 4 ^{CR}
- Language Arts 5 ^{CR}

MATHEMATICS

- Mathematics 3 ^{CR}
- Mathematics 4 ^{CR}
- Mathematics 5 ^{CR}

SCIENCE

- Science 3 ^{CR}
- Science 4 ^{CR}
- Science 5 ^{CR}

SOCIAL STUDIES

- History and Geography 3 ^{CR}
- History and Geography 4 ^{CR}
- History and Geography 5 ^{CR}

BIBLE

- Bible 3 ^{CR}
- Bible 4 ^{CR}
- Bible 5 ^{CR}

MUSIC

- Recorders Level 1*◇

ART

- K Arts and Crafts◇
- 1 Arts and Crafts◇
- 2 Arts and Crafts◇
- Art Level 1*◇
- Art Level 2*◇
- Art Level 3*◇
- Art Level 4*◇

TECHNOLOGY

- Keyboarding*◇
- Scratch Coding*◇

HEALTH & P.E.

- K Health◇
- 1 Health◇
- 2 Health◇
- 3 Health◇
- 4 Health◇
- 5 Health◇
- Health Quest*
- K Physical Education◇
- 1 Physical Education◇
- 2 Physical Education◇
- 3 Physical Education◇
- 4 Physical Education◇
- 5 Physical Education◇

COURSE DESCRIPTIONS

LANGUAGE ARTS

LANGUAGE ARTS 3 ^{CR}

Language Arts 3 focuses on the sequential development and integration of communication skills in four major areas—reading, writing, speaking, and listening. It most specifically focuses on deepening and furthering students' understanding in the following ways: understand and recognize rules for capitalization and vowels, as well as identifying a main idea; write complete sentences with proper capitalization and organize words into alphabetical order; apply understanding of dictionary use, identifying word parts, and defining vocabulary; differentiate parts of speech, irregular vowel sounds, as well as practicing reading comprehension strategies; use commas properly and recognize words with silent letters; identify cause and effect in a passage, recognize homographs, and read and understand Haiku poetry; use suffixes and pronouns to improve writing such as friendly letters, as well as applying strategies for following directions; read and describe parts of a play and recognize root words and adjectives that compare; and apply reading strategies of classifying, references, and predictions, as well as write thank-you letters.

LANGUAGE ARTS 4 ^{CR}

Language Arts 4 focuses on the sequential development and integration of communication skills in four major areas—reading, writing, speaking, and listening. It most specifically focuses on deepening and furthering students' understanding in the following ways: apply skills for reading fluency and writing a report; read for meaning in instructions, poetry, and fictional stories; identify word parts and types such as prefixes, suffixes, synonyms, and antonyms; identify parts of speech and types of sentences; use reading strategies to understand a passage and write cohesive paragraphs; explain characteristics of strong poetry and research-based reports; differentiate forms of literature including fables, tall tales, and biographies; analyze literature for language use; and plan, organize, and write a research-based report.

LANGUAGE ARTS 5 ^{CR}

Language Arts 5 continues to build on the sequential development and integration of communication skills in four major areas—reading, writing, speaking, and listening. It most specifically focuses on deepening and furthering students' understanding in the following ways: understanding main ideas and the author's message through vocabulary; reading stories and poetry to review comprehension skills, mood, and compound words; exploring parts of speech and language including prefixes, suffixes, homonyms, and idioms; applying strategies for effective communication in writing and speech; reading and writing stories efficiently including use of dialogue; identifying characteristics of different types of poetry; exploring reading passages and applying knowledge of story parts and language; using language effectively to describe and compare; and planning, drafting, and editing a research-based report.

MATHEMATICS

MATHEMATICS 3 ^{CR}

Build confidence and problem-solving skills with print-based lessons that bring math to life. This full-year course strengthens number sense and introduces multiplication, division, and early geometry through interactive, hands-on learning. In this course, students will learn multiplication and division, fractions basics, measurement skills, and problem solving. With engaging activities, puzzles, and

practice problems, students grow in both speed and accuracy, building a strong foundation in computation and preparing learners for more advanced math in future grades.

MATHEMATICS 4 ^{CR}

Multiply your student's confidence and skills with fun, hands-on lessons that make math meaningful. This full-year course builds fluency in computation, introduces key geometry and data concepts, and strengthens problem-solving through colorful visuals and engaging practice. In this course, students will learn multi-digit operations, fractions and decimals, geometry and angles, and word problems. Charts and graphs are included in this online course to aid understanding, and activities, games, and real-world examples make math accessible and enjoyable.

MATHEMATICS 5 ^{CR}

Divide and conquer core math skills with engaging, interactive lessons designed to build confidence and fluency. This full-year course strengthens students' understanding of operations, fractions, and measurement while introducing key concepts in data and geometry. In this course, students will learn fractions and decimals, volume and measurement, geometry concepts, and word problem solving. With visual aids, real-world examples, and step-by-step instruction, students deepen their problem-solving abilities and mathematical reasoning, preparing learners for advanced upper-elementary and middle school math with a solid foundation in key concepts.

SCIENCE

SCIENCE 3 ^{CR}

Science 3 is a basic elementary course intended to expose students to the designs and patterns in God's physical universe. This course provides a broad survey of the major areas of science. Some of the areas covered in Science 3 include the human body, plants, animals, health and nutrition, matter, sound waves, earth science, and heat energy. The course seeks to develop the student's ability to understand and participate in scientific inquiry. The units contain experiments and projects designed to build on children's natural curiosity. The student will explore, observe, and manipulate everyday objects and materials in their environment. Collectively, this should help students develop a subject-matter knowledge base.

SCIENCE 4 ^{CR}

Science 4 is a basic elementary course intended to expose students to the designs and patterns in God's physical universe. This course builds on concepts taught in Science 3, providing a broad survey of the major areas of science. Some of the areas covered in Science 4 include the study of plants and animals, ecology, work and simple machines, electricity and magnetism, properties of water and matter, weather, solar system, and the different spheres of earth. The course seeks to develop the student's ability to understand and participate in scientific inquiry. The units contain experiments and projects to capitalize on children's natural curiosity. The student will explore, observe, and manipulate everyday objects and materials in their environment. Collectively, this should help students develop and build on their subject-matter knowledge base.

SCIENCE 5 ^{CR}

Science 5 is a basic elementary course intended to expose students to the designs and patterns in God's physical universe. This course expands on the Science 3 and Science 4 courses, providing a broad survey of the major areas of science. Some of the areas covered in Science 5 include the study of cells, plants and animals, ecology, energy, geology, properties of matter, and the natural cycles of life. The course seeks to develop the student's ability to understand and participate in scientific inquiry. The units contain experiments and projects to capitalize on the students' natural curiosity. The student will explore, observe, and manipulate everyday

objects and materials in their environment. Students at this level should begin to understand interrelationships between organisms, recognize patterns in ecosystems, and become aware of the cellular dimensions of living systems. Collectively, this should help students develop and build on their subject-matter knowledge base.

SOCIAL STUDIES

HISTORY AND GEOGRAPHY 3 ^{CR}

The third grade curriculum is an exploration of the history and geography of the United States. The intent of the course is to give the student an overview of the United States. The student will learn map terminology such as latitude, longitude, and compass rose. These and other geographical terms, along with an overview of the geography of the United States, will help the student discuss and understand the geography of the United States.

HISTORY AND GEOGRAPHY 4 ^{CR}

History and Geography 4 continues the process of developing in students an understanding of and appreciation for God's activity as seen in the record of man and his relationships. The course focuses on World Geography, describing the surface of the Earth and its natural features (biomes). It also teaches about cultural distinctives, placing special emphasis on North American geography and culture. Then, expanding on instruction, it presents a survey of Earth and space explorations. These areas of focus target three major content strands: Geography, History, and Social Studies Skills.

HISTORY AND GEOGRAPHY 5 ^{CR}

History and Geography 5 continues the process of developing in students an understanding of and appreciation for God's activity as seen in the record of man and his relationships. It focuses on two major areas, American History and Geography. The course covers American History from early exploration through the Reconstruction, with special emphasis given to inventions and technology of the 19th and early 20th centuries, and geography of the Americas, with special emphasis on Mexico, Canada, and U.S. regional geography. These areas of focus target four major content strands: History, Geography, Government and Citizenship, and Social Studies Skills.

BIBLE

BIBLE 3 ^{CR}

Bible 3 begins a developmental and in-depth academic study of the teachings of the Old and New Testaments. It focuses on Christian living, the lives of Jesus and Joseph, Bible study methods, Bible archaeology, friendship, and Christian service. These areas target five content strands: biblical literature, biblical background, Christian growth, Christian evidences, and friendship (a special topic).

BIBLE 4 ^{CR}

Bible 4 provides a developmental and in-depth academic study of the teachings of the Old and New Testaments. It focuses on the lives of Peter and Paul (also known as Saul), the existence and knowledge of God, Bible study methods, Psalm 23, Old Testament geography, and Christian witnessing. These areas target five content strands: theology, the attributes of God, biblical literature, biblical background, and Christian evidences.

BIBLE 5 ^{CR}

Bible 500 provides a developmental and in-depth academic study of the teachings of the Old and New Testaments. It focuses on biographies of faithful people, angels, the presence of God, Bible study methods, the Christian's relationships, and Paul's missionary journeys. These areas target five content strands: theology, the attributes of God, biblical literature, biblical background, and Christian evidences.

MUSIC

ELEMENTARY MUSIC – RECORDERS LEVEL I*◇

This course combines music and performing arts. Students will experience and learn new songs and perform them using their bodies. In addition, the student will begin learning how to play the recorder.

ART

KINDERGARTEN ARTS AND CRAFTS SEMESTER A*◇

This course provides a foundation for children's inherent artistic imagination and creativity by sharing the basics of art and making art. Students are introduced to lines, circles, recognizing and using shapes, creating a collage, and concepts such as symmetry. Young artists will also explore a variety of media such as pastels, watercolors, crayons, tempera, and pencil drawing. A particular emphasis on this course is on creating works of art. In this semester students will work with clay, draw with pastels, make fingerprint flowers, draw barns and animals using shapes, and recognizing lines using the student's name.

KINDERGARTEN ARTS AND CRAFTS SEMESTER B*◇

Emphasis in the second semester is placed on applying what the students have learned to make more detailed works of art. Among the projects this semester, students will create a bird feeder, make pig puppets, craft paper flowers, make potpourri, craft a heart collage, construct a wind chime, and press flowers.

GRADE 1 ARTS AND CRAFTS SEMESTER A*◇

This course provides a foundation for children's inherent artistic imagination and creativity by sharing the basics of art and making art. Students are introduced to primary colors, the color wheel, shapes such as lines and circles, and concepts such as symmetry. Young artists will also explore a variety of media such as pastels, watercolors, crayons, tempera, and pencil drawing. A particular emphasis on this course is on creating works of art. In this semester students will create a watercolor tree, use a printing block, produce weather painting, and produce a watercolor painting.

GRADE 1 ARTS AND CRAFTS SEMESTER B*◇

Emphasis in the second semester is placed on applying what the students have learned to make more detailed works of art. In this semester students will create colorful calendars, stencil, fashion intricate flower drawings, revisit symmetrical objects, and mix colors. This course will provide students with opportunities to experience many different forms of arts and to express their imagination while learning valuable skills. Each student is an individual with unique ideas and talents. Our goal is to provide each student an opportunity for personal growth for themselves and the world in which we live.

GRADE 2 ARTS AND CRAFTS SEMESTER A*◇

Art provides an opportunity for children to develop the use of their senses directly and encourages the student to further develop what they already know as a source of knowledge and creativity. Art offers the student an opportunity to express feelings and emotions in their drawings and with color. Arts and Crafts promote self-esteem and self-awareness as it enhances personal fulfillment. Children have a wonderful imagination that, if encouraged, will be needed throughout their life. This course provides an opportunity for self-discipline through instruction and cooperation while providing the student with an opportunity for self-expression by using imaginative thinking for creative solutions. Learners will begin the course by creating a color wheel and understanding the difference between primary, secondary, and complementary colors. Learners will use watercolors to create a value chart and begin to understand symmetry in art. At the end of the semester, students will work with clay and create a Memorial Clay.

GRADE 2 ARTS AND CRAFTS SEMESTER B*◇

In semester B of Arts and Crafts, students continue to explore their creativity while also learning ways that art can be functional and add to objects and materials that we use on an everyday basis. Students will begin the semester by creating a 12-month calendar. The students will focus on new month each week. They will also be able to pick a different clay project each week from The Book of Nature Crafts and/or Clay Fun. Once students have completed the calendar project, they will begin to work on form drawing and make a seasonal chart using objects familiar with each of the four seasons. The course concludes with students working with wet crayons and wet paper. This course will provide students with opportunities to experience many different forms of arts and to express their imagination while learning valuable skills. Each student is an individual with unique ideas and talents. Our goal is to provide each student an opportunity for personal growth for themselves and the world in which we live.

ART DEVELOPMENT LEVEL 1*◇

Art Development Level 1 offers the student an opportunity to express feelings and emotions in their drawings and with color. Home, family, friends, pets, and toys are the young student's world. Students will explore their personal world through colors, lines, shapes, symmetry/mirror painting, and printmaking to promote self-esteem and self-awareness. Emphasis is placed on greater awareness of details and development of fine motor skills. This course encourages the development of self-discipline through instruction and cooperation, while providing the student with an opportunity for self-expression by using imaginative thinking for creative solutions. This course is designed for third-grade students.

ART DEVELOPMENT LEVEL 2*◇

In Level 2 of Art Development, students continue to explore self-expression, awareness of details, development of fine motor skills, cooperation, and self-discipline through a variety of mediums and the mixing of mediums to create artwork. Art provides an opportunity for children to develop the use of their senses directly and encourages the student to further develop what they already know as a source of knowledge and creativity. It is important for the student to make a connection between the verbal and visual, logic and emotions, and imagination and reality. In this course, students will do so by using color, shapes, symmetry, and lines for texturing and action. This course is designed for fourth-grade students.

ART DEVELOPMENT LEVEL 3*◇

Level 3 of Art Development aims to increase students' self-confidence and imagination by introducing artistic expressions and techniques from cultures around the world. The elements of color will be explored in various art forms, even combining art forms to encourage personal expression. Modern technology provides opportunities for the student to observe this history. The Level 3 Art Development student will explore some of these elements themselves in their own artwork, including the use of new materials to make art and discovering the effects of lighting on their artwork. This course is designed for fifth-grade students.

ART DEVELOPMENT LEVEL 4*◇

The Level 4 Art Development student will continue to use various tools and mediums to encourage imagination and to recognize how it can assist them in other aspects of their lives. The course begins with a review of art basics, followed by an exploration of the composition and rhythm in artwork and their importance to artistic expression. These lessons provide a deeper awareness of the world around them by experiencing the influences of other cultures and master artists. Students will generate unique ideas from personal experiences to increase their self-confidence. As an individual, each student is gifted with unique talents and ideas. The goal of this course is to provide each student with an opportunity for personal growth and self-discovery through a variety of art forms. This course is designed for fifth-grade students.

TECHNOLOGY

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.

SCRATCH CODING*◇

Scratch is a program developed by MIT to teach students the basics on how computers think. This program will introduce students to real coding programs and allow them to drag and drop coding blocks, creating a fully functional program. The simple user interface and tutorials allow students to quickly create and run their code to see its results. This course assumes no prior computer coding knowledge and includes self-graded, multiple-choice tests and quizzes.

HEALTH & PHYSICAL EDUCATION

HEALTH K–1 A*◇ & B*◇

Young learners establish a basic understanding of the aspects of health. Students focus on the various aspects of their health and how they can make healthy choices. Topics of study include personal safety, healthy behaviors, nutrition, communication, disease prevention, basic anatomy and physiology, and values of cooperation and teamwork.

Units: What is Health; Health Behaviors; Nutrition; Safety; Communication; Health Helpers; Disease; Anatomy

HEALTH 2–3 A*◇ & B*◇

Young learners establish a basic understanding of the aspects of health. Students focus on the various aspects of their health and how they can make healthy choices. Topics of study include personal safety, healthy behaviors, nutrition, disease prevention, conflict resolution, basic anatomy and physiology, and the values of respect and cooperation.

Units: Health Communication; Social Health; Mental Health; Injury Prevention; Nutrition & Fitness; The Body; Disease & Drugs; Consumer & Environmental Health

HEALTH 4–5 A*◇ & B*◇

Young learners establish a basic understanding of the aspects of health. Students focus on the various aspects of their health and how they can make healthy choices. Topics of study include personal safety, reducing illness, avoiding bullying, nutrition, healthy friendships, emergency situations, and the human body.

Units: What is Health; Social Health; Personal Health; Nutrition: Influences of Health; Safety & Emergencies; Avoiding Bullying; The Human Body

HEALTH QUEST*

Health Quest is a health science elective course for upper elementary and junior high students. The curriculum introduces students to the concepts of what good health is, why good health is important, and what students should do in order to achieve good health. Upon completion of the course, students should be able to do the following: Demonstrate an awareness of health as it applies to their own bodies, minds, and emotions. Demonstrate an awareness of health as it applies to their living environments. Identify the components of a healthy lifestyle and set reasonable goals to achieve a lifestyle of wellness. Understand that incorporating sound health practices creates a lifestyle of moderation and wellness. Understand the responsibility of properly stewarding the bodies God has given them as directed in the Bible. Describe health as it applies to broader society, the world, and their own responsibility to stimulate good health around them.

PHYSICAL EDUCATION K–1 A*◇ & B*◇

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.

Units: Your Fitness; Safety; Healthy Choices; Components of Fitness; Principles of Fitness; Game Play; Nutrition; Your Body

PHYSICAL EDUCATION 2–3 A*◇ & B*◇

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 warm-up and cool down, water safety, goal setting, nutrition, muscle strength and flexibility. In addition, students learn age-appropriate motor, non-locomotor, and manipulative skills. Students are required to participate in regular physical activity.

Units: Your Fitness; Safety; What is Health; Skill and Health; Principles of Fitness; Game Play; Nutrition; Your Body

PHYSICAL EDUCATION 4–5 A*◇ & B*◇

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 warm-up and cool down, water safety, goal setting, nutrition, muscle strength and flexibility. In addition, students learn age-appropriate motor, non-locomotor, and manipulative skills. Students are required to participate in regular physical activity.

Units: Course Introduction; Safety; Improving Fitness; Physical Health; Being Healthy; Game Play; Nutrition; Sportsmanship



2027 IVA Middle School Course Catalog

At Ignitia Virtual Academy (IVA), we're excited to offer a diverse selection of faith-based and traditional courses designed to support every student's unique educational journey. Courses designated as *Secular* use a traditional curriculum, while all other courses are taught from a biblical worldview. Our team is happy to answer any questions about our course offerings.

Initial Credit is available for all courses. **Credit Recovery** is only available for Bible, Language Arts, Math, Science, and Social Studies.

This course list may change at any time due to teacher availability or class capacity. Unless otherwise noted with an **asterisk (*)**, all courses are designed as **full-year** courses divided into two semesters—**Semester A** and **Semester B**. Refer to the **key** below for details about one-semester courses, limited seating, and other important information.

KEY: * One-Semester Course | ° Limited Seating / Waitlist or Extended Enrollment Processing | ^{CR} Credit Recovery Available | ◇ Secular Course

MIDDLE SCHOOL — COURSE OFFERINGS

LANGUAGE ARTS

- MS Language Arts 6 ^{CR}
- MS Language Arts 7 ^{CR}
- MS Language Arts 8 ^{CR}

MATHEMATICS

- MS Mathematics 6 ^{CR} ◇
- MS Mathematics 7 ^{CR} ◇
- MS Mathematics 8 ^{CR} ◇
- MS Pre-Algebra ^{CR} ◇

SOCIAL STUDIES

- MS History and Geography 6 ^{CR}
- MS History and Geography 7 ^{CR}
- MS History and Geography 8 ^{CR}

SCIENCE

- MS Science 6 ^{CR}
- MS Science 7 ^{CR}
- MS Science 8 ^{CR}

GENERAL ELECTIVES

- MS Family & Consumer Science* ◇
- MS Family Living* ◇
- MS Journalism 1 A: Introduction* ◇
- MS Journalism 1 B: Tell Your Story* ◇
- MS Life Skills* ◇
- MS Literacy and Comprehension I ◇

BIBLE

- MS Bible 6 ^{CR}
- MS Bible 7 ^{CR}
- MS Bible 8 ^{CR}

WORLD LANGUAGES

- MS Chinese 1° ◇
- MS Chinese 2° ◇
- MS French 1° ◇
- MS French 2° ◇
- MS German 1° ◇
- MS German 2° ◇
- MS Latin 1° ◇
- MS Latin 2° ◇
- MS Spanish 1° ◇
- MS Spanish 2° ◇

HEALTH & PHYSICAL EDUCATION

- MS Fitness Basics 1* ◇
- MS Fitness Basics 2* ◇
- MS Health* ◇
- MS Health Quest* ◇
- MS Intro to Group Sports 1* ◇
- MS Intro to Group Sports 2* ◇
- MS Intro to Individual Sports 1* ◇
- MS Intro to Individual Sports 2* ◇

FINE ARTS

- MS 2D Studio Art 1 A: Introduction* ◇
- MS 2D Studio Art 1 B: Living with Art* ◇
- MS Digital Art and Design 1 A: Introduction* ◇
- MS Digital Art and Design 1 B: Light, Sound, Magic* ◇
- MS Exploring Music 1 A: Introduction* ◇
- MS Exploring Music 1 B: Using Your Instruments* ◇
- MS Photography 1 A: Introduction* ◇
- MS Photography 1 B: Drawing with Light* ◇

CAREER & TECHNOLOGY ELECTIVES

- MS Career Explorations I*
- MS Career Explorations II*
- MS Career Explorations III*
- MS Computer Science° ◇
- MS Digital Literacy*° ◇
- MS Exploring Business* ◇
- MS Exploring Health Science* ◇
- MS Keyboarding and Applications* ◇
- MS Online Learning and Digital Citizenship* ◇
- MS Tech Apps: Grade 6* ◇
- MS Tech Apps: Grade 7* ◇
- MS Tech Apps: Grade 8* ◇

COURSE DESCRIPTIONS

LANGUAGE ARTS

MS LANGUAGE ARTS 6 ^{CR}

Language Arts 6 continues to build on the sequential development and integration of communication skills in four major areas—reading, writing, speaking, and listening. It most specifically focuses on deepening and furthering students' understanding in the following ways: Unit 1: Differentiate and identify common parts of speech. Unit 2: Use efficient grammar including punctuation, diction, capitalization, and syntax. Unit 3: Analyze something read to find vocabulary, relationships, and comparisons with context. Unit 4: Write accurately in different forms including letters and use of outside research. Unit 5: Recognize propaganda, facts, and opinions in news stories. Unit 6: Identify different forms of literature in both fiction and nonfiction. Unit 7: Establish a purpose for reading a passage and adjust reading strategies accordingly. Unit 8: Differentiate and write different forms of poetry using figurative language. Unit 9: Link bible stories and passages to different forms of traditional literature.

MS LANGUAGE ARTS 7 ^{CR}

Language Arts 7 continues to build on the sequential development and integration of communication skills in four major areas—reading, writing, speaking, and listening. It most specifically focuses on deepening and furthering students' understanding in the following ways: Reading—develops students' reading skills, including the identification of main ideas, supporting details, and sequence; teaches students how to reach logical conclusions as well as use appropriate reading rates; shows students how to identify parts of speech in sentences, with emphasis on adjectives, adverbs, conjunctions, pronouns, and verb types; helps students develop basic literary comprehension skills through the reading of biographical and autobiographical pieces, poetry, and character analyses. Writing—develops students' understanding of sentence structure, providing hands-on experience with coordination, conjunctions, subject-verb agreement, participles, and phrases; familiarizes students with roots, affixes, and basic word relationships, including homonyms, synonyms, and antonyms; develops students' vocabulary and spelling skills; gives students the opportunity to develop their abilities in writing paragraphs, character analyses, character sketches, short biographies, and summaries; develops students' critical thinking skills through speculative writing on morality. Speaking—teaches skills that enable students to become effective speakers and communicators, weaving the skills together throughout the course. Listening—teaches effective listening comprehension skills, weaving these together throughout the lessons; builds upon students' study skills.

MS LANGUAGE ARTS 8 ^{CR}

Language Arts 8 continues to build on the sequential development and integration of communication skills in four major areas—reading, writing, speaking, and listening. It most specifically focuses on deepening and furthering students' understanding in the following ways: Reading—reinforces reading comprehension skills by teaching students how to analyze propaganda and other forms of writing, including biographies, autobiographies, formal essays, and informal essays; shows students how to make denotative, symbolic, and connotative readings of a text; introduces both Old English and Middle English languages and literature to develop students' understanding of English language formation and development; prepares students for the higher level literary comprehension skills required in the upper grades. Writing—develops students' understanding of sentence structure, providing hands-on experience with conjunctions, transitions, clauses, and common sentence errors; teaches language histories and etymologies to help students build on knowledge of word structures, including topics like prefixes, roots, and suffixes; expands on students' vocabulary and spelling skills; gives students the opportunity to develop their abilities in writing business letters, friendly letters, informal essays, and basic literature analyses. Speaking—offers students experience in delivering oral reports; teaches skills that enable students to become effective speakers and communicators, weaving these skills together throughout the course. Listening—teaches effective listening comprehension skills, weaving these together throughout the lessons; builds upon students' study skills, as well as helping them become reliable and efficient note takers.

MATHEMATICS

MS MATHEMATICS 6 ^{CR} ◇

In this course, students connect ratio and rate to multiplication and division, using ratio reasoning to solve a wide variety of problems. Students further apply their understanding of multiplication and division to explain the standard procedure for dividing fractions. This course builds upon previous notions of the number system to include the entire set of rational numbers. Students begin to understand the use of variables as they write, evaluate, and simplify expressions. They use the idea of equality and properties of operations to solve one-step equations and inequalities. In statistics, students explore different graphical ways

to display data. They use data displays, measures of center, and measures of variability to summarize data sets. The course also engages students in reasoning about relationships among shapes to determine area, surface area, and volume.

MS MATHEMATICS 7 ^{CR} ◇

This course features an in-depth study of proportional reasoning, during which students utilize concrete models such as bar diagrams and tables to develop conceptual understanding of rates, ratios, proportions, and percentages. Students extend their number fluency and understanding of the rational number system as they perform operations with signed rational numbers embedded in real-world contexts. In statistics, students develop meanings for representative samples, measures of central tendency, variation, and the ideal representation for comparisons of given data sets. Students develop an understanding of both theoretical and experimental probability. Throughout the course, students build fluency in writing expressions and equations that model real-world scenarios. They apply their understanding of inverse operations to solve multi-step equations and inequalities. Students build on their proportional reasoning to solve problems about scale drawings by relating the corresponding lengths between objects. Students also conduct geometric analyses of angle relationships, area, and volume of both two- and three-dimensional figures.

MS MATHEMATICS 8 ^{CR} ◇

In this course, students use input-output relationships to build a foundation for learning about functions. Students make connections between verbal, numeric, algebraic, and graphical representations of relations and apply this knowledge to create linear functions that can be used to model and solve mathematical and real-world problems. Technology is used to build deeper connections among representations. Students focus on formulating expressions and equations, including modeling an association in bivariate data with a linear equation, and writing and solving linear equations and systems of linear equations. Students develop a deeper understanding of how translations, rotations, reflections, and dilations of distances and angles affect congruency and similarity. Students develop rules of exponents and use them to simplify exponential expressions. Students extend rules of exponents as they perform operations with numbers in scientific notation. Estimating and comparing square roots of non-perfect squares to perfect squares exposes students to irrational numbers and lays the foundation for applications such as the Pythagorean theorem, distance, and volume.

MS PRE-ALGEBRA ^{CR} ◇

This full-year course is designed for high school students who have completed a middle school mathematics sequence but are not yet algebra-ready. This course reviews key algebra readiness skills from the middle grades and introduces basic Algebra I work with appropriate support. Students revisit concepts in numbers and operations, expressions and equations, ratios and proportions, and basic functions. By the end of the course, students are ready to begin a more formal high school Algebra I study.

SCIENCE

MS SCIENCE 6 ^{CR}

Examining a broad spectrum of the biological sciences, Life Science is a full-year course for middle school students that builds on basic principles of scientific inquiry and translates those skills to more complex, overarching biological themes. The course includes units that help students understand the definitions, forms, and classifications of living organisms and learn to analyze the diversity of each unique group of living organisms. Other units introduce students to the structures and functions of cells, cell theory, and cell reproduction. These larger themes are then applied to other topics, such as genetics, Darwinian theory, and human biology and health. An introduction of ecology draws all of these concepts together to examine the interrelationships that help to maintain life on Earth.

MS SCIENCE 7 ^{CR}

Students enrolled in this dynamic course explore the scope of Earth sciences, covering everything from basic structure and rock formation to the incredible and volatile forces that have shaped and changed our planet. As climate change and energy conservation become increasingly prevalent in the national discourse, it will be important for students to understand the concepts and causes of our changing Earth. Earth Science is a two-semester course that provides a solid foundation for understanding the physical characteristics that make the planet Earth unique and examines how these characteristics differ among the planets of our solar system.

MS SCIENCE 8 ^{CR}

This full-year course focuses on basic concepts in chemistry and physics and encourages exploration of new discoveries in the field of physical science. The course includes an overview of scientific principles and procedures and has students examine the chemical building blocks of our physical world and the

composition of matter. Additionally, students explore the properties that affect motion, forces, and energy on Earth. Building on these concepts, the course covers the properties of electricity and magnetism and the effects of these phenomena. As students refine and expand their understanding of physical science, they will apply their knowledge to complete interactive virtual labs that require them to ask questions and create hypotheses. Hands-on wet lab options are also available.

SOCIAL STUDIES

MS HISTORY AND GEOGRAPHY 6 CR

History and Geography 6 continues the process of developing in students an understanding of and appreciation for God's activity as seen in the record of man and his relationships. The course focuses on World History, with an emphasis on Western Europe. Specifically, it covers World History from ancient civilizations through the end of the 20th century, highlighting early Christianity (through the Reformation) and the two World Wars. These areas of focus target three major content strands: History, Geography, and Social Studies Skills. Upon completion of the course, students should be able to do the following: Understand the world in spatial terms (according to hemispheres, latitude and longitude, maps, and time zones). Understand how cultures differ in each of the hemispheres studied. Understand Western civilization from its beginnings to the end of the Renaissance. Understand the significant religious, cultural, and scientific events in Europe during the Renaissance. Identify cultural and geographic differences between the South American countries studied. Identify cultural and geographic differences between the African countries studied. Identify key causes, events, and leaders of the two World Wars. Understand the history, culture, and politics of Eastern European countries. Additionally, students will gain practice in report-writing, covering topics like North American geography, the Crusades, the influence of the Renaissance, the Industrial Revolution, and more.

MS HISTORY AND GEOGRAPHY 7 CR

History and Geography 7 continues the process of developing in students an understanding of and appreciation for God's activity as seen in the record of man and his relationships. The course surveys the social sciences, covering history, geography, anthropology, sociology, economics, and political science. These areas of focus target all five major content strands: History, Geography, Government and Citizenship, Economics, and Social Studies Skills. Upon completion of the course, students should be able to do the following: Understand the historical method. Understand the world in spatial terms (according to latitude and longitude, maps, time zones, and Daylight Saving Time). Locate and describe different topographical features of the world, such as plains, mountainous regions, rivers, and valleys. Locate and describe U.S. regions made up of various groups of states, such as the Northeast and the Midwest. Understand the meaning, methods, and goals of anthropology. Understand the meaning, methods, and goals of sociology. Understand the anthropology and sociology of the United States, especially of Native Americans. Know the characteristics of major economic systems—free enterprise and socialism—and the role that government plays in each one. Understand and describe contributions made to the area of political science by various political thinkers. Understand the structure and functions of American government and economics at the state level. Additionally, students will gain practice in report-writing, covering topics like topographies of home states, underdeveloped nations, modern political issues, and more.

MS HISTORY AND GEOGRAPHY 8 CR

History and Geography 8 continues the process of developing in students an understanding of and appreciation for God's activity as seen in the record of man and his relationships. The course focuses on American History, covering the subject from early exploration through the present day, with special emphasis given to the Civil War and to inventions and technology of the 19th and early 20th centuries. These areas of focus target three major content strands: History, Geography, and Government and Citizenship. Upon completion of the course, students should be able to do the following: Identify significant explorers, such as Christopher Columbus, Francisco Coronado, Sir Francis Drake, Ferdinand Magellan, Henry Hudson, Jacques Cartier, and Samuel de Champlain, noting their accomplishments. Understand how conflict between the American colonies and Great Britain led to American independence. Understand political, economic, and social changes that occurred in the United States during the 19th century, including changes resulting from the Industrial Revolution, and explain how these changes led to movement into the western frontier and conflict among sections of the United States. Describe the causes and effects of the Civil War and its aftermath. Describe the causes and effects of both World Wars. Understand some of the key challenges facing American society in the late 20th and early 21st centuries. Additionally, students will gain practice in report-writing, covering topics like the thirteen colonies, the U.S. Constitution, the Civil War, inventors, and more.

BIBLE

MS BIBLE 6 ^{CR}

Bible 6 provides a developmental and in-depth academic study of the teachings of the Old and New Testaments. It focuses on a brief survey of the Old and New Testaments, with special emphasis upon the key people, places, and events from the book of Genesis to the book of Revelation. These areas target three content strands: theology, biblical literature, and biblical background.

MS BIBLE 7 ^{CR}

Bible 7 provides a developmental and in-depth academic study of the teachings of the Old and New Testaments. It focuses on worship, mankind, the attributes of God, prophecies about Christ, the living of balanced lives, and the book of Psalms. Special emphasis is given to the life of Christ from His pre-existence and birth to His resurrection and ascension. These areas target five content strands: theology, the attributes of God, biblical literature, Christian growth, and the life of Christ (a special topic).

MS BIBLE 8 ^{CR}

Bible 8 provides a developmental and in-depth academic study of the teachings of the Old and New Testaments. It focuses on prayer, salvation, the attributes of God, the book of Proverbs, and interpersonal relationships. Special emphasis is given to a survey of Church history from the early Church through the Reformation. These areas target five content strands: theology, the attributes of God, biblical literature, Christian growth, and Church history (a special topic).

WORLD LANGUAGES

MS CHINESE 1 ◇

In this middle school course, students begin their introduction to Chinese with fundamental building blocks in four key areas of foreign language study: listening comprehension, speaking, reading, and writing. Each unit consists of an ongoing adventure story, a new vocabulary theme and grammar concept, numerous interactive games reinforcing vocabulary and grammar, reading and listening comprehension activities, speaking and writing activities, and multimedia cultural presentations covering major Chinese-speaking countries.

MS CHINESE 2 ◇

Middle school students continue their introduction to Chinese with fundamental building blocks in four key areas of foreign language study: listening, speaking, reading, and writing. Each unit consists of an ongoing adventure story, a new vocabulary theme and grammar concept, numerous interactive games reinforcing vocabulary and grammar, reading and listening comprehension activities, speaking and writing activities, and multimedia cultural presentations covering major Chinese-speaking countries.

MS FRENCH 1 ◇

Students in middle school begin their introduction to French with fundamental building blocks in four key areas of foreign language study: listening, speaking, reading, and writing. Each unit consists of an ongoing adventure story, a new vocabulary theme and grammar concept, numerous interactive games reinforcing vocabulary and grammar, reading and listening comprehension activities, speaking and writing activities, and multimedia cultural presentations covering major French-speaking areas.

MS FRENCH 2 ◇

Middle school students continue their introduction to French with fundamental building blocks in four key areas of foreign language study: listening, speaking, reading, and writing. Each unit consists of an ongoing adventure story, a new vocabulary theme and grammar concept, numerous interactive games reinforcing vocabulary and grammar, reading and listening comprehension activities, speaking and writing activities, and multimedia cultural presentations covering major French-speaking areas.

MS GERMAN 1◇

Middle school students begin their introduction to German with fundamental building blocks in four key areas of foreign language study: listening, speaking, reading, and writing. Each unit consists of an ongoing adventure story, a new vocabulary theme and grammar concept, numerous interactive games reinforcing vocabulary and grammar, reading and listening comprehension activities, speaking and writing activities, and multimedia cultural presentations covering major German-speaking areas.

MS GERMAN 2◇

Students continue their introduction to middle school German with this second-year course by covering fundamental building blocks in four key areas of foreign language study: listening, speaking, reading, and writing. Each unit consists of an ongoing adventure story, a new vocabulary theme and grammar concept, numerous interactive games reinforcing vocabulary and grammar, reading and listening comprehension activities, speaking and writing activities, and multimedia cultural presentations covering major German-speaking areas.

MS LATIN 1◇

Students in middle school begin their introduction to Latin with fundamental building blocks in four key areas of foreign language study: listening, speaking, reading, and writing. Each unit consists of a new vocabulary theme and grammar concept, numerous interactive games reinforcing vocabulary and grammar, reading and listening comprehension activities, speaking and writing activities, cultural presentations covering significant aspects of Roman culture or their modern-day manifestations.

MS LATIN 2◇

Middle school students continue their introduction to Latin with fundamental building blocks in four key areas of foreign language study: listening, speaking, reading, and writing. Each unit consists of a new vocabulary theme and grammar concept, numerous interactive games reinforcing vocabulary and grammar, reading and listening comprehension activities, speaking and writing activities, cultural presentations covering significant aspects of Roman culture or their modern-day manifestations.

MS SPANISH 1◇

Middle school students begin their introduction to Spanish with fundamental building blocks in four key areas of foreign language study: listening, speaking, reading, and writing. Each unit consists of an ongoing adventure story, a new vocabulary theme and grammar concept, numerous interactive games reinforcing vocabulary and grammar, reading and listening comprehension activities, speaking and writing activities, and multimedia cultural presentations covering major Spanish-speaking areas.

MS SPANISH 2◇

Students in middle school continue their introduction to Spanish with fundamental building blocks in four key areas of foreign language study: listening, speaking, reading, and writing. Each unit consists of an ongoing adventure story, a new vocabulary theme and grammar concept, numerous interactive games reinforcing vocabulary and grammar, reading and listening comprehension activities, speaking and writing activities, and multimedia cultural presentations covering major Spanish-speaking areas.

HEALTH & PHYSICAL EDUCATION

MS FITNESS BASICS 1*◇ & 2*◇

This course is designed to provide students with the basic skills and information needed to begin a personalized exercise program and maintain an active and healthy lifestyle. Students participate in pre- and post-fitness assessments in which they measure and analyze their own levels of fitness based on the five components of physical fitness: muscular strength, endurance, cardiovascular fitness, flexibility, and body composition. In this course, students research the benefits of physical activity, as well as the techniques, principles, and guidelines of exercise to keep them safe and healthy. Throughout this course students participate in a weekly fitness program involving elements of cardio, strength, and flexibility.

MS HEALTH*◇

This comprehensive health course is designed for middle school students. It covers basic information about body systems, disease, and hygiene. Students explore the various realms of health, including mental, social, and emotional health. In addition, students learn important life skills such as decision-making and refusal skills.

MS HEALTH QUEST*◇

This middle school Health course introduces students to the concepts of what good health is, why good health is important, and what students should do in order to achieve good health. By the end of this course, students will be able to demonstrate an awareness of health as it applies to their bodies, minds, and environment; identify the components of a healthy lifestyle; set reasonable wellness goals; and apply health concepts across multiple contexts.

MS INTRO TO GROUP SPORTS 1*◇ & 2*◇

This course provides students with an overview of group sports. Students learn about a variety of sports, and an in-depth study of soccer or basketball in Intro to Group Sports 1 and baseball/softball and volleyball in Intro to Group Sports 2. Students learn the history, rules, and guidelines of each sport, as well as game strategy and the benefits of sports. In addition, students study elements of personal fitness, goal setting, sport safety, and sports nutrition. Students conduct a pre- and post-fitness assessment, as well as participate in regular weekly physical activity as they practice skills related to group sports.

MS INTRO TO INDIVIDUAL SPORTS 1*◇ & 2*◇

This course provides students with an overview of individual sports. Students learn about a variety of sports, yet do an in-depth study of running, walking, strength training, yoga, dance, biking, swimming, and cross-training. Students learn not only the history, rules, and guidelines of each sport, but practice flexibility.

GENERAL ELECTIVES

MS FAMILY & CONSUMER SCIENCE*◇

This course prepares students with a variety of skills for independent or family living. Topics covered include childcare, home maintenance, food preparation, money management, medical management, clothing care, and more. The course also focuses on household, personal, and consumer health and safety. In addition, students learn goal-setting and decision-making skills, as well as explore possible career options.

MS FAMILY LIVING*◇

In this course, students examine the family unit and characteristics of healthy and unhealthy relationships at different phases of life — including information on self-discovery, family, friendships, dating and abstinence, marriage, pregnancy, and parenthood. Students learn about the life cycle and the different stages of development, from infancy to adulthood. The course also focuses on a variety of skills to improve relationships and family living, including coping skills, communication skills, refusal skills, babysitting, parenting, and healthy living and disease prevention habits.

MS JOURNALISM 1A*◇ AND 1B*◇

Who? What? When? Where? Why? 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 their stories for publication. The course will also examine the historical development of journalism and the role of journalism in society.

MS LIFE SKILLS*◇

This course allows students to explore their personality type and interests, as well as refine important skills that will benefit them throughout their lives, including personal nutrition and fitness skills, time and stress management, communication and healthy relationships, goal setting, study skills, leadership and service, environmental and consumer health, and personal finances. In addition, students explore possible colleges and careers that match their needs, interests, and talents.

MS LITERACY & COMPREHENSION I◊

This course is one of two intervention courses designed to support the development of strategic reading and writing skills. These courses use a thematic and contemporary approach, including high-interest topics to motivate students and expose them to effective instructional principles using diverse content area and real-world texts. Both courses offer an engaging technology-based interface that inspires and challenges students to gain knowledge and proficiency in the following comprehension strategies: summarizing, questioning, previewing and predicting, recognizing text structure, visualizing, making inferences, and monitoring understanding with metacognition. Aimed at improving fluency and vocabulary, self-evaluation strategies built into these courses inspire students to take control of their learning.

FINE ARTS

MS 2D STUDIO ART 1A*◊ AND 1B*◊

Journey inside the art studio and learn to bring your 2D art visions to life. Whatever medium you prefer, painting or drawing, this course will help you hone your 2D art skills. Learn the elements and principles needed to logistically create art; explore your artistic inspirations; view art from different ages and cultures; gain insight about the art of critiquing.

MS DIGITAL ART AND DESIGN 1A*◊ AND 1B*◊

Digital art and design involves everything from advertising to animation to photography and more. In this course, you'll learn about the evolution of art; the basic principles of art and design; the role of art in politics and society; and how to create digital art and make it come alive.

MS EXPLORING MUSIC 1A*◊ AND 1B*◊

Learn about how we hear music, its history and culture, and how it affects our lives. Explore the elements of music, such as rhythm, pitch, and harmony, while discovering more about musical genres, singing and your voice, instruments, and musical composition. Tune up your understanding and appreciation for all things musical.

MS PHOTOGRAPHY 1A*◊ AND 1B*◊

Students see photographs every day on television, on the Internet, and in magazines and newspapers. What makes a great photograph? How did the artist capture a story? What makes a great picture? What are careers in photography? In this course, students learn and apply fundamental skills to use a camera and take photographs of animals, people, and landscapes. Students gain an understanding of how photography can be a means of documentation or high art. Students examine photographic careers and explore self-reflection to progress their creative growth as they develop a photographic portfolio. This course helps students select subjects, take a photograph, and print and display memories!

CAREER & TECHNOLOGY ELECTIVES

MS CAREER EXPLORATIONS I*

Career Explorations I is a semester-long course designed to give middle school students an opportunity to explore careers involving human-related services. Each of the five units introduce one particular field and explains its past, present, and future. These units include Career Management, Introduction to Careers in Health Sciences, Hospitality and Tourism Systems, Human Services, and Consumer Services. The goal is to whet students' appetites for these careers. Students can then explore a specific career path in more detail in high school.

MS CAREER EXPLORATIONS II*

Career Explorations II is a semester-long course designed to give middle school students an opportunity to explore various technical fields from computers to agriculture. Each of the five units introduces one particular field and explains its past, present, and future. These units include Information Technology, Introduction to Information Support and Services, Introduction to Network Systems, Introduction to Agriculture, Food, and Natural Resources, and Introduction to STEM (Science, Technology, Engineering, and Mathematics). The goal is to whet students' appetites for these careers. Students can then explore a specific career path in more detail in high school.

MS CAREER EXPLORATIONS III*

Career Explorations III is a semester-long course designed to give middle school students an opportunity to explore various CTE subjects. Each of the five units introduces one particular field and explains its past, present, and future. These units include Introduction to Business and Finance, Introduction to Manufacturing, Introduction to Transportation, Distribution, and Logistics, Introduction to Architecture and Construction, and Introduction to Marketing. The goal is to whet students' appetites for these careers. Students can then explore a specific career path in more detail in high school.

MS COMPUTER SCIENCE◇

Middle School Computer Science is a full-year course designed to introduce students in grades 6–8 to computer science as a vehicle for problem solving, communication, and personal expression. This course focuses on the visible aspects of computing and computer science centering on the immediately observable and personally applicable elements of computer science while also asking students to look outward and explore the impact of computer science on society. Students will explore the design process with creative, hands-on learning opportunities to create programs and collaborate with peers while learning specific aspects of computer science including problem solving, programming, physical computing, user-centered design, and data.

Required Materials:

- Access to the Microsoft Office suite or similar product line
- Python or the Python Anywhere app (Chromebook), the Pythonista app (iPad), or similar (e.g., PyScript)
- Recommended for devices running Windows 10 or higher or macOS

MS DIGITAL LITERACY*◇

This semester-long elective provides a foundation to understanding key applications, computing fundamentals, and online living. This course focuses on describing technology basics including finger placement on the keyboard and the differences between hardware and software. Students describe the functions of operating systems and their utilities, identify computer networks, how they work, and computer and internet safety. Students identify different communications industries and how to use email, Microsoft Word®, PowerPoint®, and Outlook®, describe how to create spreadsheets, enter data, create graphs, and use formulas and shortcuts in spreadsheets. Additionally, students will identify the functions of PowerPoint®, digital media, intellectual property law, workplace crimes, privacy concerns, digital citizenship, and how to stay safe on social media.

Required Materials:

- Students must have access to MS Office or Office 365, including Excel, Outlook, PowerPoint, and Word

MS 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. Explore the skills you'll need, common tasks, the technology used, and characteristics of various business careers.

MS EXPLORING HEALTH SCIENCE*◇

Where do healthcare workers spend their days? What do they really do? From cruise ships to sports arenas, you can find healthcare workers in many places that you might not expect. Explore this field, including what it would be like to work in a medical lab. Learn what it takes to keep you and your patients safe, and begin to learn about the human body and basic first-aid.

MS KEYBOARDING AND APPLICATIONS*◇

This one-semester course teaches keyboarding skills, technical skills, effective communication skills, and productive work habits. Students learn proper keyboarding techniques. Once students have been introduced to keyboarding skills, lessons include daily practice of those skills. Students gain an understanding of computer hardware, operating systems, file management, and the Internet. In addition, students apply their keyboarding skills and create a variety of business documents, including word processing documents and electronic presentations.

Required Materials:

- Word-processing software (e.g., MS Word)
- Presentation software (e.g., MS PowerPoint)

MS ONLINE LEARNING AND DIGITAL CITIZENSHIP*◇

This one-semester course provides students with a comprehensive introduction to online learning, including how to work independently, stay safe, and develop effective study habits in virtual learning environments. Featuring direct-instruction videos, interactive tasks, authentic projects, and rigorous assessments, the course prepares students for high school by providing in-depth instruction and practice in important study skills such as time management, effective note-taking, test preparation, and collaborating effectively online. By the end of the course, students will understand what it takes to be successful online learners and responsible digital citizens.

MS TECH APPS: GRADE 6*◇

When it comes to technology, there is a lot to learn, and sometimes it's hard to get a digital foothold. In this course, you will be introduced to some of the most important technological topics to place you on the path to well-rounded understanding. You will learn about your digital footprint, netiquette, and how to stay safe online. You will improve your typing, file management and organization skills as well as your knowledge of software programs. You will also learn about trends, coding, blogs and websites, photo and video software, and more! It's time to go digital!

MS TECH APPS: GRADE 7*◇

You learned some tech app basics, and now it's time to explore new software that will help you with content creation. In this course, you will practice being a member of a team — listening to others' ideas and advocating for your own — and learn how to break a problem into steps represented with a flowchart. With the steps defined, you'll put your ideas into action coding a robot in Scratch and a Rock, Paper, Scissors game. Finally, you'll look at various content creation methods like Google apps, blogs, podcasts, and videos, and think about who your audiences might be. Let's move beyond the basics and into the ever-expanding world of tech apps.

MS TECH APPS: GRADE 8*◇

Few things move faster than ever-changing technology, and it's important to try and stay up-to-date on this modern digital transformation. In this course, you will get a guided tour through this towering technological landscape from hacking and hardware, understanding algorithms and basic cybersecurity, and even implementing powerful tools like Google apps. You will also improve your ability to type, code, and use audio and video editing software. In the end, you will learn all about how to be an effective and responsible digital citizen in a cyberworld that is only growing increasingly quick and complex. Let's get up to speed!



2027 IVA High School Course Catalog

At Ignitia Virtual Academy (IVA), we're excited to offer a diverse selection of faith-based and traditional courses designed to support every student's unique educational journey. Courses designated as Secular use a traditional curriculum, while all other courses are taught from a biblical worldview. Our team is happy to answer any questions about our course offerings.

Initial Credit is available for all courses. Credit Recovery (CR) is available for English, math, science, and social studies only.

Important: Please review your graduation plan carefully to make sure your selected courses align with graduation requirements. If you have any questions, we're here to help.

This course list is subject to change based on teacher availability and class capacity. Unless marked with an asterisk (), all courses are full-year (1.0 credit) and divided into two semesters — Semester A (0.5 credit) and Semester B (0.5 credit). Students must complete both A and B to earn the full 1.0 credit. Refer to the key below for details about one-semester courses, limited seating, and other important information.*

KEY: * One-Semester Course | ° Limited Seating / Waitlist May Apply | ^H Honors Available | ^{CR} Credit Recovery Available | ◊ Secular Course | **AP**® Advanced Placement® | [#] 4th Math Credit Option | [■] Physical Science Course Credit Option | [▲] 3rd Science Credit Option

CORE COURSES

Language Arts

English I ^{CR}
English II ^{CR}
English III ^{CR}
English IV ^{CR}
Language Arts 9 Honors ◊
Language Arts 10 Honors ◊
Language Arts 11 Honors ◊
Language Arts 12 Honors ◊

Bible

Old Testament Survey ^{CR}
New Testament Survey ^{CR}
Bible Doctrine ^{CR}
Christian Faith and Living ^{CR}
Foundations for Living ^{CR}

Mathematics

Algebra I ^H ^{CR} ◊
Geometry ^H ^{CR} ◊
Algebra II ^H ^{CR} ◊
Mathematics I ^H ^{CR} ◊
Mathematics II ^H ^{CR} ◊
Mathematics III ^H ^{CR} ◊
Precalculus ^H ^{CR} ◊
Statistics ^{CR} ◊
Financial Math ^{CR} ◊
Mathematical Models with Applications ^{CR} ◊
Concepts in Probability and Statistics ^{CR} ◊
Trigonometry* ^{CR} ◊

Science

Science 9 ^{CR} ▲
Biology ^{CR}
Biology Honors ◊
Chemistry ^{CR} ▲
Chemistry Honors ◊ ▲
Physics ^{CR} ▲
Physics Honors ◊ ▲
Environmental Science ^{CR} ▲
Earth Science ^{CR} ▲
Integrated Physics and Chemistry ^{CR} ▲
Anatomy and Physiology 1 ▲ ◊
Astronomy 1 A: Introduction* ▲ ◊
Astronomy 1 B: Exploring the Universe* ▲ ◊
Forensic Science 1: Secrets of the Dead* ▲ ◊
Forensic Science 2: More Secrets of the Dead* ▲ ◊
Marine Science 1 A: Introduction* ▲ ◊
Marine Science 1 B: Secrets of the Blue* ▲ ◊

Social Studies

World History
Survey of World History Honors ◊
U.S. History
Survey of U.S. History Honors ◊
U.S. History I Honors ◊
U.S. History II Honors ◊
Government*
U.S. Government Honors* ◊
Economics*
Economics Honors* ◊
Civics*

Advanced Placement®

All AP® courses except English Literature and Composition, Environmental Science, Human Geography, and Psychology require textbooks. Textbooks are not included and can be ordered from online booksellers.

AP English Language Arts

AP English Language and Composition ◊
AP English Literature and Composition ◊

AP Mathematics

AP Calculus AB ◊
AP Statistics ◊

AP Science

AP Environmental Science ◊ ▲

AP Elective

AP Human Geography ◊
AP Psychology ◊

AP Social Studies

AP World History: Modern ◊
AP US History ◊
AP US Government and Politics* ◊

WORLD LANGUAGES

HS American Sign Language 1 A: Introduction* ◊
HS American Sign Language 1 B: Learn to Sign* ◊
HS American Sign Language 2 A: Communicating* ◊
HS American Sign Language 2 B: Advancing Communication Skills* ◊

HS American Sign Language 3 A: Community and Culture* ◊
HS American Sign Language 3 B: Conversations and Culture* ◊
HS Chinese I° ◊
HS Chinese II° ◊

HS French I ◊
HS French II ◊
HS French III ◊
HS German I° ◊
HS German II° ◊

HS Latin I° ◊
HS Latin II° ◊
HS Spanish I ◊
HS Spanish II ◊
HS Spanish III ◊

GENERAL ELECTIVES

American Literature*
Anthropology 1: Uncovering Human Mysteries* ◊
Anthropology 2: More Human Mysteries Uncovered* ◊
Archaeology: Detectives of the Past ◊
Art Appreciation ◊
Art History I ◊
Black History in America 1a: Introduction* ◊
Black History in America 1b: Exploring the Black Experience* ◊
British Literature*
College Planner*

Creative Writing: Unleashing the Core of Your Imagination* ◊
Essentials of Communication*
Gothic Literature: Monster Stories* ◊
History of the Holocaust* ◊
Human Geography ^H ◊
Introduction to Art ◊
Introduction to Communications and Speech ◊
Journalism 1 A: Introduction* ◊
Journalism 1 B: Investigating the Truth* ◊

Literacy & Comprehension II ◊
Music Appreciation: The Enjoyment of Listening* ◊
Mythology and Folklore: Legendary Tales* ◊
Personal Finance* ◊
Personal Finance Literacy*
Personal Psychology 1* ◊
Personal Psychology 2* ◊
Philosophy: The Big Picture* ◊
Public Speaking 1 A: Introduction* ◊
Public Speaking 1 B: Finding Your Voice* ◊
Psychology*

Social Problems 1: A World in Crisis* ◊
Social Problems 2: Crisis, Conflicts and Challenges* ◊
Sociology 1* ◊
Sociology 2* ◊
Strategies for Academic Success* ◊
Twentieth Century American History*
Vietnam Era*
World Geography
World Religions: Exploring Diversity* ◊

PHYSICAL EDUCATION & HEALTH ELECTIVES

HS Adaptive PE* ◊
HS Advanced PE 1* ◊
HS Advanced PE 2* ◊
HS Comprehensive PE* ◊
Contemporary Health* ◊
Contemporary Health (Full Year) ◊
HS Fitness Fundamentals 1* ◊

HS Fitness Fundamentals 2* ◊
HS Flexibility Training* ◊
Foundations of Personal Wellness ◊
HS Group Sports* ◊
Health*
HS Health & Personal Wellness* ◊
Healthy Living* ◊

Healthy Living (Full Year) ◊
HS Individual Sports ◊
HS Lifetime & Leisure Sports* ◊
Lifetime Fitness* ◊
Lifetime Fitness (Full Year) ◊
HS Outdoor Sports* ◊
HS Personal Health and Fitness* ◊

Physical Education*
Physical Fitness*
HS Running* ◊
HS Strength Training* ◊
HS Walking Fitness* ◊

FINE ARTS / CAREER & TECHNICAL EDUCATION (CTE) ELECTIVES**AGRICULTURE, FOOD & NATURAL RESOURCES**

- Agribusiness Systems** ◊
- Agriscience 1: Introduction** ◊
- Agriscience 2 A: Introduction** ◊
- Agriscience 2 B: Sustaining Human Life** ◊
- Animal Systems** ◊
- Food Products and Processing Systems** ◊
- Forestry and Natural Resources** ◊
- Introduction to Agriculture, Food, and Natural Resources** ◊
- Plant Systems** ◊
- Principles of Agriculture, Food and Natural Resources** ◊
- Veterinary Science: The Care of Animals** ◊

ARCHITECTURE & CONSTRUCTION

- Construction Careers** ◊
- Introduction to Careers in Architecture and Construction* ◊

ARTS, A/V TECHNOLOGY & COMMUNICATIONS

- Digital Design 1 ◊
- Digital Photography 1 A: Introduction* ◊
- Digital Photography 1 B: Creating Images with Impact!* ◊
- Digital Photography 2: Discovering Your Creative Potential* ◊
- Fundamentals of Digital Media** ◊
- Social Media: Our Connected World** ◊

BUSINESS MANAGEMENT & ADMINISTRATION

- Accounting 1 ◊
- Business Computer Information Systems
- Business English ◊
- Business Information Management ◊
- Business Information Management 1a: Introduction* ◊
- Business Information Management 1b: Data Essentials* ◊
- Business Law* ◊
- Essentials of Business*
- Human Resource Management 1 ◊
- International Business: Global Commerce in the 21st Century* ◊
- Introduction to Business ◊
- Legal Admin Specialist 1 ◊
- Management 1 ◊
- Medical Office Administration 1 ◊
- Office Administration 1 ◊
- Principles of Business, Marketing, and Finance 1a: Introduction* ◊
- Principles of Business, Marketing, and Finance 1b: Targeting Your Business Insight* ◊
- Small Business Entrepreneurship ◊
- Technology and Business (Full Year) ◊

CAREER READINESS

- Career Explorations ◊
- Career Management* ◊
- Career Planning and Development ◊

EDUCATION & TRAINING

- Early Childhood Education 1 A: Introduction* ◊
- Early Childhood Education 1 B: Developing Early Learners* ◊
- HS Intro to Coaching* ◊
- Introduction to Careers in Education and Training* ◊
- Introduction to Human Growth and Development* ◊
- Real World Parenting* ◊
- HS Sports Officiating* ◊
- Teaching and Training Careers* ◊

ENERGY

- Renewable Technologies 1 A: Introduction* ◊
- Renewable Technologies 1 B: Sustainable Energy* ◊

FINANCE

- Banking Services Careers* ◊
- Introduction to Careers in Finance* ◊

GOVERNMENT & PUBLIC ADMINISTRATION

- Introduction to Careers in Government and Public Administration* ◊

HEALTH SCIENCES

- Allied Health Assistant 1° ◊
- Careers in Allied Health** ◊
- EKG Technician 1° ◊
- HS Exercise Science** ◊
- HS First Aid & Safety** ◊
- HS Health Careers** ◊
- Health Science Concepts° ◊
- Health, Safety, and Ethics in the Health Environment** ◊
- Introduction to Careers in the Health Sciences** ◊
- Introduction to Health Science° ◊
- Medical Assistant 1° ◊
- Medical Terminology° ◊
- HS Personal Training Career Prep** ◊
- HS Personal Training Concepts** ◊
- Physicians, Pharmacists, Dentists, Veterinarians and Other Doctors** ◊
- Public Health: Discovering the Big Picture in Health Care° ◊
- Sports Medicine 1° ◊
- Sports Medicine 2° ◊

TRANSPORTATION, DISTRIBUTION & LOGISTICS

- Careers in Logistics Planning and Management Services** ◊
- Introduction to Careers in Transportation, Distribution and Logistics** ◊

HOSPITALITY & TOURISM

- Culinary Arts 1 A: Introduction* ◊
- Culinary Arts 1 B: Finding Your Palate* ◊
- Culinary Arts 2: Baking, Pastry, and More!* ◊
- Food Safety and Sanitation** ◊
- Hospitality and Tourism 1: Traveling the Globe* ◊
- Hospitality and Tourism 2 A: Hotel and Restaurant Management* ◊
- Hospitality and Tourism 2 B: Hotel and Restaurant Management* ◊
- Hotel Management 1 ◊
- Marketing and Sales for Tourism and Hospitality* ◊
- Planning Meetings and Special Events* ◊
- Restaurant Management* ◊
- Sustainable Service Management for Hospitality and Tourism* ◊
- Transportation and Tours for the Traveler* ◊

HUMAN SERVICES

- Child Development 1 ◊
- Cosmetology 1: Cutting Edge Styles** ◊
- Cosmetology 2: The Business of Skin and Nail Care** ◊
- Cosmetology 3 A: Introduction to Hair Skills** ◊
- Cosmetology 3 B: Waving, Coloring, and Advancing Hair Skills** ◊
- HS Drugs & Alcohol* ◊
- Family and Community Services* ◊
- Family and Consumer Science*
- Fashion Design* ◊
- Interior Design* ◊
- Introduction to Consumer Services* ◊
- Introduction to Human Services* ◊
- Nutrition and Wellness* ◊
- Peer Counseling* ◊
- Personal Care Services* ◊

INFORMATION TECHNOLOGY

- Advanced Networking 1° ◊
- Computer Applications - Office 2019/Office 365 ◊
- Computer Science Principles* ◊
- Cybersecurity 1 A: Foundations** ◊
- Cybersecurity 1 B: Defense Against Threats** ◊
- Digital Media Web Design 2° ◊
- Introduction to Computer Science°
- Introduction to Information Technology° ◊
- Introduction to Information Technology Support and Services** ◊
- Introduction to Network Systems** ◊
- Network System Design* ◊
- Operational Cybersecurity 1° ◊
- Software Development Tools** ◊
- Web Development 2° ◊
- Web Development in the 21st Century

LAW, PUBLIC SAFETY, CORRECTIONS & SECURITY

- Careers in Criminal Justice 1 A: Introduction** ◊
- Careers in Criminal Justice 1 B: Finding Your Specialty** ◊
- Corrections: Policies and Procedures** ◊
- Criminology: Inside the Criminal Mind** ◊
- Fire and Emergency Services** ◊
- Forensics: Using Science to Solve a Mystery** ◊
- Forensics 1a: Introduction* ◊
- Forensics 1b: The Science of Crime* ◊
- Introduction to Law, Public Safety, Corrections, and Security** ◊
- Law and Order: Introduction to Legal Studies** ◊
- Law Enforcement Field Services** ◊
- Legal Services** ◊
- Military Careers: Introduction** ◊
- National Security** ◊
- Principles of Public Service: To Serve and Protect** ◊
- Security and Protective Services** ◊

MANUFACTURING

- Manufacturing 1a: Introduction** ◊
- Manufacturing 1B** ◊

MARKETING

- Advertising and Sales Promotion* ◊
- Careers in Marketing Research* ◊
- Marketing 2 ◊
- Marketing Foundations 1 ◊
- Professional Sales and Promotion 1 ◊
- Sports and Entertainment Marketing 1a: Introduction* ◊
- Sports and Entertainment Marketing 1b: Promoting the Main Event* ◊

SCIENCE, TECHNOLOGY, ENGINEERING & MATHEMATICS (STEM)

- Biotechnology 1 A: Introduction** ◊
- Biotechnology 1 B: Unlocking Nature's Secrets** ◊
- Concepts of Engineering and Technology** ◊
- Engineering and Design** ◊
- Engineering and Product Development** ◊
- Great Minds in Science: Ideas for a New Generation** ◊
- Introduction to STEM** ◊
- Science and Mathematics in the Real World* ◊
- Scientific Discovery and Development* ◊
- Scientific Research* ◊
- STEM and Problem Solving** ◊

COURSE DESCRIPTIONS

LANGUAGE ARTS

ENGLISH I ^{CR}

English I continues to build on the sequential development and integration of communication skills in four major areas—reading, writing, speaking, and listening. It most specifically focuses on deepening and furthering students' understanding in the following ways: Reading—reinforces reading comprehension skills by teaching students how to understand and appreciate poetry, drama, informative nonfiction, and fiction; shows students how to analyze, evaluate, and interpret a text; reinforces awareness of the elements and structure of narrative prose; guides students through readings of drama, a novel, and selections from well-known poetry and short stories. Writing—further develops students' understanding of sentence structures; reviews parts of speech and their types, including in-depth studies on verbs (transitive, intransitive, conjugation, tense, voice, mood); develops students' understanding of the types and functions of phrases and clauses; teaches language history and etymology to help students build on knowledge of word structures, including prefixes, roots, and suffixes; expands on students' vocabulary skills; reviews spelling skills; gives students the opportunity to develop their abilities in writing speeches, short essays, poetry, friendly/business letters, and short stories. Speaking—offers students experience in delivering a speech; teaches skills that enable students to become effective speakers and communicators, weaving these skills together throughout the course. Listening—teaches effective listening comprehension skills, weaving these together throughout the lessons.

ENGLISH II ^{CR}

English II continues to build on the sequential development and integration of communication skills in four major areas—reading, writing, speaking, and listening. It focuses on deepening and furthering students' understanding in the following ways: Reading—reinforces reading comprehension skills by teaching students how to comprehend and appreciate poetry, drama, nonfiction, and fiction; shows students how to analyze, evaluate, and interpret a text; reinforces awareness of the elements and structure of narrative prose; guides students through readings of the allegory *Everyman* and Sheldon's *In His Steps*, as well as selections of and excerpts from well-known poetry and short stories. Writing—develops students' understanding of complex sentence and paragraph structures, providing hands-on experience with connectives, transitions, phrases, and clauses; teaches language history and etymology to help students build on knowledge of grammar and word structures; expands on students' vocabulary skills; gives students the opportunity to develop their abilities in writing a set of instructions, a literary critique, a poem, a short story, and a speech. Speaking—offers students experience in delivering a speech; teaches skills that enable students to become effective speakers and communicators, weaving the skills throughout the course. Listening—teaches effective listening comprehension skills, integrating these throughout the lessons. Special Topics—incorporates research skills, including internet, library, and reference material use, throughout the curriculum.

ENGLISH III ^{CR}

English III continues to build on the sequential development and integration of communication skills in four major areas—reading, writing, speaking, and listening. It most specifically focuses on deepening and furthering students' understanding in the following ways: Reading—reinforces reading comprehension skills by teaching students comprehension techniques for literary fiction, nonfiction, poetry, and drama; discusses common literary devices; shows students how to analyze, evaluate, and interpret a text; reinforces awareness of the elements and structure of narrative and expository prose; guides students through readings of Thornton Wilder's *Our Town* (play) and Lee's *To Kill a Mockingbird* as well as selections of and excerpts from well-known poetry and nonfiction pieces. Writing—develops students' writing skills by teaching about clauses and phrases in sentence structures; reviews common sentence construction errors and methods for avoiding them; provides practice in standard and nonstandard English, as well as specialized language use; teaches Greek and Latin roots and prefixes to enhance vocabulary and spelling skills; expands students' abilities to write cohesive and coherent expository prose; gives students the opportunity to develop their abilities in writing literary critiques, personal essays, poetry, and research papers. Special Topics—incorporates research skills, including internet, library, and reference material use, throughout the curriculum.

ENGLISH IV ^{CR}

English IV continues to build on the sequential development and integration of communication skills in four major areas—reading, writing, speaking, and listening. It most specifically focuses on deepening and furthering students' understanding in the following ways: Reading—reinforces reading comprehension skills by teaching students comprehension techniques for literary fiction, poetry, and drama, including discussion of common literary devices; shows students how to analyze, evaluate, and interpret a text; reinforces awareness of the elements and structure of narrative and expository prose; guides students through English literary history, including readings of Shakespeare's *Hamlet*, Milton's *Paradise Lost*, *Beowulf*, Bunyan's *The Pilgrim's Progress*, and other selections of and excerpts from major English literary figures. Writing—develops students' writing skills by teaching about clauses and phrases in sentence structures; reviews common sentence and paragraph construction errors and methods for avoiding them; teaches Greek and Latin roots and prefixes to enhance vocabulary and spelling skills; expands students' abilities to write cohesive and coherent expository prose; gives students the opportunity to develop their abilities in writing literary critiques, poetry, short stories, and expository prose. Listening—teaches effective listening comprehension skills, weaving these throughout the lessons; builds upon students' study skills as well as helps them to become reliable and efficient note takers. Special Topics—incorporates research skills, including internet, library, and reference material use, throughout the curriculum.

LANGUAGE ARTS 9 HONORS ◊

In this thematically organized course, students read a broad variety of fiction and nonfiction, building their background knowledge across complex texts. Students draw upon what they've read to answer questions, make and support claims, analyze central ideas and details, and trace ideas across multiple texts. Students will develop and apply critical thinking and literary analysis skills as they speak, listen, read, and write—building the language arts skills they will need for college and career readiness.

LANGUAGE ARTS 10 HONORS ◊

This sophomore English course is organized thematically, allowing students to trace ideas across multiple fiction and nonfiction texts. As students engage with what they read, they use textual evidence to support arguments and to make inferences about the author's purpose and choice of language. In this course students speak, listen, read, and write—developing and applying a range of critical thinking and literary analysis skills they will need to tackle more complex texts in upper grades, college, and careers.

LANGUAGE ARTS 11 HONORS ◊

In this course, students journey through the history of American literature, from the early writings of Indigenous peoples and European settlers to modern texts. As students read, they are encouraged to use textual evidence to support their analyses and analyze the impact of the author's choices. Students make written and oral arguments to support claims, and they build upon previous writing skills to develop a formal and mature writing style. Students also develop their listening skills, integrating what they hear and what they read to form and communicate clear perspectives on a variety of issues.

LANGUAGE ARTS 12 HONORS ◊

In this course, students journey through British literature as they analyze foundational fiction and literary nonfiction works. As students read, they use textual evidence to support their analyses and analyze the impact of the author's choices. Students make written and oral arguments to support claims, and they build upon previous writing skills to develop a formal and mature writing style. Students also further develop their listening skills, integrating what they hear and what they read to form and communicate clear perspectives on a variety of issues.

MATHEMATICS

ALGEBRA I ^{H CR}

This course focuses on five critical areas: relationships between quantities and reasoning with equations, linear and exponential relationships, descriptive statistics, expressions and equations, and quadratic functions and modeling. This course builds on the foundation set in middle grades by deepening students' understanding of linear and exponential functions and developing fluency in writing and solving one-variable equations and inequalities. Students will interpret, analyze, compare, and contrast functions that are represented numerically, tabularly, graphically, and algebraically. Quantitative reasoning is a common thread throughout the course as students use algebra to represent quantities and the relationships among those quantities in a variety of ways. Standards of mathematical practice and process are embedded throughout the course, as students make sense of problem situations, solve novel problems, reason abstractly, and think critically.

GEOMETRY ^{H CR}

This course formalizes what students learned about geometry in the middle grades with a focus on reasoning and making mathematical arguments. Mathematical reasoning is introduced with a study of triangle congruency, including exposure to formal proofs and geometric constructions. Then students extend what they have learned to other essential triangle concepts, including similarity, right-triangle trigonometry, and the laws of sines and cosines. Moving on to other shapes, students justify and derive various formulas for circumference, area, and volume, as well as cross-sections of solids and rotations of two-dimensional objects. Students then make important connections between geometry and algebra, including special triangles, slopes of parallel and perpendicular lines, and parabolas in the coordinate plane, before delving into an in-depth investigation of the geometry of circles. The course closes with a study of set theory and probability, as students apply theoretical and experimental probability to make decisions informed by data analysis.

ALGEBRA II ^{H CR}

This course focuses on functions, polynomials, periodic phenomena, and collecting and analyzing data. The course begins with a review of linear and quadratic functions to solidify a foundation for learning these new functions. Students make connections between verbal, numeric, algebraic, and graphical representations of functions and apply this knowledge as they create equations and inequalities that can be used to model and solve mathematical and real-world problems. As students refine and expand their algebraic skills, they will draw analogies among the operations and field properties of real numbers and those of complex numbers and algebraic expressions. Mathematical practices and habits of mind are embedded throughout the course, as students solve novel problems, reason abstractly, and think critically.

MATHEMATICS I ^{H CR}

Mathematics I is the first course in a three-year series of integrated math courses for high school. The integrated math series is an alternative to the traditional Algebra I – Geometry – Algebra II pathway, placing some Geometry in each year of instruction. This full-year course formalizes and extends middle school mathematics, deepening students' understanding of linear relationships. The course begins with a review of relationships between quantities, building from unit conversion to a study of expressions, equations, and inequalities. Students contrast linear and exponential relationships, including a study of sequences, as well as applications such as growth and decay. Students review one-, two-, and multi-step equations, formally reasoning about each step using properties of equality. Students extend this reasoning to systems of linear equations. Students use descriptive statistics to analyze data before turning their attention to transformations and the relationship between algebra and geometry on the coordinate plane.

MATHEMATICS II ^{H CR}

This full-year course begins with a brief exploration of radicals and polynomials before delving into quadratic expressions, equations, and functions, including a derivation of the quadratic formula. Students then embark on a deep study of the applications of probability and develop advanced reasoning skills with a study of similarity, congruence, and proofs of mathematical theorems. Students explore right triangles with an introduction to right-triangle trigonometry before turning their attention into the geometry of circles and making informal arguments to derive formulas for the volumes of various solids.

MATHEMATICS III ^{H CR}

This full-year course synthesizes previous mathematical learning in four focused areas of instruction. First, students relate visual displays and summary statistics to various types of data and to probability distributions with a focus on drawing conclusions from the data. Then, students embark on an in-depth study of polynomial, rational, and radical functions, drawing on concepts of integers and number properties to understand polynomial operations and the combination of functions through operations. This section of instruction builds to the fundamental theorem of analysis. In the second half of the course, students create and analyze scatterplots and study two-way tables and normal distributions. Finally, students apply probability to topics such as conditional probability, combinations and permutations, and sets.

PRECALCULUS ^{CR #}

In this full-year advanced math course, students explore the nature of functions with a focus on graphing a variety of function types. They also study complex numbers, matrices, systems, and linear programming. Students explore rational functions in depth and delve into right triangle and circular trigonometry. Students synthesize what they have learned to graph and solve trigonometric functions. They also study vectors, conics and analytic geometry, statistics and probability, mathematical modeling, and sequences and series.

STATISTICS ^{CR #}

This fourth-year high school math option provides a comprehensive introduction to data analysis and statistics. Students begin by reviewing familiar data displays through a more sophisticated lens before diving into an in-depth study of the normal curve. They then study and apply simple linear regression and explore sampling and experimentation. Next, students review probability concepts and begin a study of random variables. Later topics also include sampling distributions, estimating and testing claims about proportions and means, and inferences and confidence intervals.

FINANCIAL MATH ^{CR #}

This full-year course for high school students extends prior math concepts to financial and business contexts. Students will solve real-world problems, analyze data, and develop financial literacy and business modeling skills. They will learn about budgets, income, taxes, insurance, and investments, as well as how these may affect personal and business decisions. Students will also work with scenarios dealing with credit, retirement planning, and home and automobile ownership or leasing. Students will model and analyze scenarios related to these real-world financial concepts using ratios, proportions, and functions. They will make decisions related to these financial scenarios and use mathematics to justify their decisions. Students will apply mathematical practices and use technology as they complete tasks that require them to think critically, solve problems, and communicate their reasoning.

MATHEMATICAL MODELS WITH APPLICATIONS ^{CR #}

Broadening and extending the mathematical knowledge and skills acquired in Algebra I, the primary purpose of this course is to use mathematics as a tool to model real-world phenomena students may encounter daily, such as finance and exponential models. Engaging lessons cover financial topics, including growth, smart money, saving, and installment-loan models. Students expand prior mathematical knowledge and develop new knowledge and techniques through real-world application of useful mathematical concepts.

CONCEPTS IN PROBABILITY AND STATISTICS ^{CR #}

In this full-year course, students build a foundational understanding of probability and statistics through real-world applications and interactive learning. Topics include theoretical and experimental probability, probability distributions, sampling methods, data visualization, and measures of center and variability. Students analyze and interpret data using dot plots, histograms, box plots, and scatterplots, and apply probability concepts using tools such as Venn diagrams, simulations, and regression models. The course also covers normal distribution, standard deviation, and hypothesis testing to support informed decision-making. Through performance tasks and hands-on investigations, students learn to evaluate statistical claims and make predictions based on data. This course does not meet the requirements for a fourth-year math course for college-bound students.

TRIGONOMETRY* CR

In this one-semester course, students use their geometry and algebra skills to begin their study of trigonometry. Students will be required to express understanding using qualitative, quantitative, algebraic, and graphing skills. This course begins with a quick overview of right-triangle relationships before introducing trigonometric functions and their applications. Students explore angles and radian measures, circular trigonometry, and the unit circle. Students extend their understanding to trigonometric graphs, including the effects of translations and the inverses of trigonometric functions. This leads to the laws of sines and cosines, followed by an in-depth exploration of trigonometric identities and applications. This course ends with an introduction to the polar coordinate system, complex numbers, and DeMoivre's theorem.

SCIENCE**SCIENCE 9 ▲**

Science 9 is a basic intermediate course intended to expose students to the designs and patterns in God's physical universe. This course expands on General Science 7 and 8 courses. Some of the areas covered in Science 9 include the structure of matter, atomic nuclei and radioactivity, geology, oceanography, astronomy, microbiology, medicine, and science today and in the future. Students at this level should show development in their ability and understanding of scientific inquiry. Some of the units contain experiments and projects that seek to develop meaning for the student and to engage the student actively. The continued exposure of science concepts and scientific inquiry will serve to improve the student's skill and understanding.

BIOLOGY

Biology is intended to expose students to the designs and patterns of living organisms that have been created by God. In preceding years, students should have developed a foundational understanding of life sciences. This biology course will expand upon that knowledge and incorporate more abstract knowledge. The student's understanding should encompass both the micro and macro aspects of life and this biology course includes both. The major concepts covered are taxonomy, the chemical basis of life, cellular structure and function, genetics, microbiology, botany, human anatomy and physiology, and ecological principles. Students at this level should show development in their ability and understanding of scientific inquiry. The units contain experiments and projects that seek to develop a deeper conceptual meaning for the student and actively engage the student. The continued exposure of science concepts and scientific inquiry will serve to improve the student's skill and understanding.

BIOLOGY HONORS

This compelling full-year course engages students in the study of life and living organisms and examines biology and biochemistry in the real world. It encompasses traditional concepts in biology and encourages exploration of new discoveries in this field of science. The components include biochemistry, cell biology, cell processes, heredity and reproduction, the evolution of life, taxonomy, human body systems, and ecology.

CHEMISTRY ■▲

Chemistry is intended to expose students to the designs and patterns in the world that God has created. In preceding years, students should have developed an understanding for the macroscopic properties of substances and been introduced to the microstructure of substances. This chemistry course will expand upon that knowledge, further develop the microstructure of substances, and teach the symbolic and mathematical world of formulas, equations, and symbols. The major concepts covered are measurement, atomic structure, chemical formulas and bonding, chemical reactions, stoichiometry, gases, chemical equilibrium, and organic chemistry. Students at this level should show development in their ability and understanding of scientific inquiry. The units contain experiments and projects that seek to develop a deeper conceptual meaning for the student and actively engage the student. The continued exposure of science concepts and scientific inquiry will serve to improve the student's skill and understanding.

CHEMISTRY HONORS ■▲

This rigorous full-year course engages students in the study of the composition, properties, changes, and interactions of matter. The course covers the basic concepts of chemistry and includes virtual laboratory experiments that encourage higher-order thinking, and applications. There is also a wet lab component for each of these labs. The components of this course include the composition and properties of matter, changes and interactions of matter, organic chemistry, and nuclear chemistry.

PHYSICS ■▲

Physics is intended to expose students to the design and order in the world that God has created. In preceding years, students should have developed a basic understanding of the macroscopic and microscopic world of forces, motion, waves, light, and electricity. The physics course will expand upon that prior knowledge and further develop both. The curriculum will also seek to teach the symbolic and mathematical world of formulas and symbols used in physics. The major concepts covered are kinematics, forces and motion, work and energy, sound and light waves, electricity and magnetism, and nuclear physics. Students at this level should show development in their ability and understanding of scientific inquiry. The units contain experiments and projects that seek to develop a deeper conceptual meaning for the student and actively engage the student. The continued exposure of science concepts and scientific inquiry will serve to improve the student's skill and understanding.

PHYSICS HONORS ■▲

This full-year course acquaints students with topics in classical and modern physics. The course emphasizes conceptual understanding of basic physics principles, including Newtonian mechanics, energy, thermodynamics, waves, electricity, magnetism, and nuclear and modern physics. Throughout the course, students solve mathematical problems, reason abstractly, and learn to think critically about the physical world. The course also includes interactive virtual labs and hands-on lab options, in which students ask questions and create hypotheses.

ENVIRONMENTAL SCIENCE CR ■▲

Environmental science is a captivating and rapidly expanding field, and this two-semester course offers compelling lessons that cover many aspects of the field: ecology, the biosphere, land, forests and soil, water, energy and resources, and societies and policy. Through unique activities and material, high school students connect scientific theory and concepts to current, real-world dilemmas, providing them with opportunities for mastery in each of the segments throughout the semester.

EARTH SCIENCE ■▲

Earth Science is a high school science course that explores Earth's structure, interacting systems, and place in the universe. The course uncovers concepts and processes found in astronomy—Earth's place in and interaction with space, geology—physical structure and dynamic processes, meteorology—atmosphere, weather and climate, and oceanography—oceans and marine life. Students will have the opportunity to evaluate and explore many scientific concepts by participating in interactive lab sessions, conducting hands-on activities, and completing projects designed to improve the understanding of Earth and its dynamic functions.

INTEGRATED PHYSICS AND CHEMISTRY ■▲

Integrated Physics and Chemistry is a physical science course designed for high school students needing an entry-level science course covering basic concepts found in chemistry and physics. Topics included in this course are matter, motion and forces, work and energy, electricity and magnetism, and waves. Throughout the course, students will have opportunities to observe simulations, investigate ideas, and solve problems, both online and away from the computer.

ANATOMY AND PHYSIOLOGY 1A* ▲

Whether you plan on pursuing a career in health sciences or simply looking to gain an understanding of how the human body works, you'll first need to understand the relationship between anatomy and physiology. Learn how to read your body's story through understanding cell structure and their processes, and discover the functions and purposes of the skeletal, muscular, nervous, and cardiovascular systems, as well as diseases that affect those systems.

ANATOMY AND PHYSIOLOGY 1B* ▲

Examine the form and function of even more body systems. Learn about the structure, function, and interrelation between the lymphatic, immune, respiratory, digestive, urinary, and endocrine systems. The reproductive system is also discussed along with hereditary traits and genetics.

ASTRONOMY 1A* AND 1B* ▲

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

FORENSIC SCIENCE 1: SECRETS OF THE DEAD* ▲

Fingerprints. Blood spatter. DNA analysis. The world of law enforcement is increasingly making use of the techniques and knowledge from the sciences to better understand the crimes that are committed and to catch those individuals responsible for the crimes. Forensic science applies scientific knowledge to the criminal justice system. This course focuses on some of the techniques and practices used by forensic scientists during a crime scene investigation (CSI). Starting with how clues and data are recorded and preserved, the student will follow evidence trails until the CSI goes to trial, examining how various elements of the crime scene are analyzed and processed. The Science of Crime or Forensic Science 1 and 2.

FORENSIC SCIENCE 2: MORE SECRETS OF THE DEAD* ▲

Although the crime scene represents the first step in solving crimes through forensic science, the crime laboratory plays a critical role in the analysis of evidence. This course focuses on the analysis of evidence and testing that takes place within this setting. We will examine some of the basic scientific principles and knowledge that guides forensic laboratory processes, such as those testing DNA, toxicology, and material analysis. Techniques such as microscopy, chromatography, odontology, entomology, mineralogy, and spectroscopy will be examined. Students should take either Forensics A and B or Forensic Science 1 and 2. They should not take both, as there is significant overlap in content.

MARINE SCIENCE 1A* AND 1B* ▲

Have you wondered about the secrets of the deep and how the creatures below the ocean's surface live and thrive? Understand more about the aquatic cycles, structures, and processes that generate and sustain life in the sea.

SOCIAL STUDIES**WORLD HISTORY CR**

World History continues the process of developing in students an understanding of and appreciation for God's activity as seen in the record of man and his relationships. With an emphasis on Western Europe, the course surveys ancient civilizations to the end of the 20th century, highlighting early Christianity (through the Reformation) and the two World Wars. These areas of focus target three major content strands: History, Geography, and Social Studies Skills. Upon completion of the course, students should be able to do the following: Understand Western civilization from its beginnings to the present day. Understand the significant political and economic transformations and significant cultural and scientific events in Europe during the Renaissance. Understand significant religious and societal issues from the Renaissance through the Reformation. Understand the significant social and political developments in Europe and America brought on by the English, American, and French Revolutions. Understand the effects of the Industrial Revolution. Analyze major historical and political events of the 20th century, including the two World Wars, the Cold War, and the Vietnam War. Additionally, students will gain practice in report-writing, covering topics like the rise of Christianity, the U.S. Constitution, communism versus free enterprise, the United Nations, and more.

SURVEY OF WORLD HISTORY HONORS ◇

This full-year course examines the major events and turning points of world history from ancient times to the present. Students investigate the development of classical civilizations in the Middle East, Africa, Europe, and Asia, and they explore the economic, political, and social revolutions that have transformed human history. At the end of the course, students conduct a rigorous study of modern history, allowing them to draw connections between past events and contemporary issues. The use of recurring themes, such as social history, democratic government, and the relationship between history and the arts, allows students to draw connections between the past and the present, among cultures, and among multiple perspectives. Throughout the course, students use a variety of primary and secondary sources, including legal documents, essays, historical writings, and political cartoons to evaluate the reliability of historical evidence and to draw conclusions about historical events.

U.S. HISTORY CR

U.S. History continues the process of developing in students an understanding of and appreciation for God's activity as seen in the record of man and his relationships. The course covers early American exploration to the present day, placing special emphasis on the politics of the 18th and early 19th centuries and the Civil War. These areas of focus target three major content strands: History, Geography, and Government and Citizenship. Upon completion of the course, students should be able to do the following: Understand how conflict between the American colonies and Great Britain led to American independence. Understand political, economic, and social changes that occurred in the United States during the 19th century, including changes resulting from the Industrial Revolution. Explain how political, economic, and social changes in the U.S. led to conflict among sections of the United States in the 19th century. Describe the causes and effects of the Civil War and its aftermath. Describe the causes and effects of both World Wars. Understand some of the key challenges facing American society in the late 20th and early 21st centuries. Additionally, students will gain practice in writing essays and reports, covering topics like the Monroe Doctrine, the states' rights debate, the Lincoln-Douglas debates, isolationism, the New Deal, the Korean conflict, and more.

SURVEY OF U.S. HISTORY HONORS ◇

This full-year high school course presents a cohesive and comprehensive overview of the history of the United States, surveying the major events and turning points of U.S. history as it moves from the Era of Exploration through modern times. As students examine each era of history, they will analyze primary sources and carefully research events to gain a clearer understanding of the factors that have shaped U.S. history. In early units, students will assess the foundations of U.S. democracy while examining crucial documents. In later units, students will examine the effects of territorial expansion, the Civil War, and the rise of industrialization. They will also assess the outcomes of economic trends and the connections between culture and government. As the course draws to a close, students will focus their studies on the causes of cultural and political change in the modern age. Throughout the course, students will learn the importance of cultural diversity while examining history from different perspectives.

U.S. HISTORY I HONORS ◇

U.S. History I is a full-year course that dynamically explores the people, places, and events that shaped early United States history. This course stretches from the Era of Exploration through the Industrial Revolution, leading students through a careful examination of the defining moments that shaped the nation of today. Students begin by exploring the colonization of the New World and examining the foundations of colonial society. As they study the early history of the United States, students will learn critical-thinking skills by examining the constitutional foundations of U.S. government. Recurring themes such as territorial expansion, the rise of industrialization, and the significance of slavery will be examined in the context of how these issues contributed to the Civil War and Reconstruction.

U.S. HISTORY II HONORS ◇

U.S. History II is a full-year course that examines the major events and turning points of U.S. history from the Industrial Revolution through the modern age. The course leads students toward a clearer understanding of the patterns, processes, and people that have shaped U.S. history. As students progress through each era of modern U.S. history, they will study the impact of dynamic leadership and economic and political change on our country's rise to global prominence. Students will also examine the influence of social and political movements on societal change and the importance of modern cultural and political developments. Recurring themes lead students to draw connections between the past and the present, between cultures, and among multiple perspectives.

GOVERNMENT^{CR}

The Government course develops in students an understanding of and appreciation for God's activity as seen in the record of man and his relationships, with special emphasis on American government. Students explore the foundations, structure, and functions of government while learning how the principles and values of American democracy—such as limited government, popular sovereignty, federalism, and checks and balances—are reflected in the U.S. Constitution. The course also examines the role of political parties, the media, and the public in shaping the political process. Through essays and reports, students engage with topics including elected officials, the Supreme Court, and the role of Christians in politics, developing both civic literacy and critical thinking skills.

U.S. GOVERNMENT HONORS* ◊

This semester-long course provides students with a practical understanding of the principles and procedures of government. The course begins by establishing the origins and founding principles of American government. After a rigorous review of the Constitution and its amendments, students investigate the development and extension of civil rights and liberties. Lessons also introduce influential Supreme Court decisions to demonstrate the impact and importance of constitutional rights. The course builds on this foundation by guiding students through the function of government today and the role of citizens in the civic process and culminates in an examination of public policy and the roles of citizens and organizations in promoting policy changes. Throughout the course, students examine primary and secondary sources, including political cartoons, essays, and judicial opinions. Students also sharpen their writing skills in shorter tasks and assignments and practice outlining and drafting skills by writing full informative and argumentative essays.

ECONOMICS^{CR}

The Economics course continues the process of developing in students an understanding of and appreciation for God's activity as seen in the record of man and his relationships, with a focus on personal finance and the larger economic systems that shape society. Students examine the characteristics of different economic systems, such as capitalism, mixed economies, and communism, and learn key concepts of economic performance, including supply and demand, inflation, and monopoly. Emphasis is placed on applying these principles to personal finance, with practical topics such as online banking and global currency issues like the euro. Writing assignments and reports provide opportunities for students to evaluate economic trends, understand financial decision-making, and apply economic knowledge to real-world situations.

ECONOMICS HONORS* ◊

Available as either a semester or a full year, this course invites students to broaden their understanding of how economic concepts apply to their everyday lives— including microeconomic and macroeconomic theory and the characteristics of mixed-market economies, the role of government in a free-enterprise system and the global economy, and personal finance strategies. Throughout the course, students apply critical-thinking skills while making practical economic choices. Students also master literacy skills through rigorous reading and writing activities. Students analyze data displays and write routinely and responsively in tasks and assignments that are based on scenarios, texts, activities, and examples. In more extensive, process-based writing lessons, students write full-length essays in informative and argumentative formats.

CIVICS^{CR}

In this five-section elective, high school students will learn about the rights and responsibilities of being an American citizen. By studying different forms of government, students will investigate what motivated America's founding fathers as they drafted the U.S. Constitution. Students will also learn about the branches of the U.S. government as laid out in the Constitution and about the structure of state and local governments. In each unit, students will complete an in-depth project related to that unit's topic. Through this course, students will do the following: Understand the definition of government and explain its role in the life of the citizen. Explore why politics takes place any time a group of individuals is gathered together. Understand the differences and relationships between civic life, political life, and private life. Analyze the influence of the federal government on the American economy. Analyze the elements of America's market economy in a global setting.

BIBLE**OLD TESTAMENT SURVEY A***

Old Testament Survey A introduces students to the first eight books of the Bible. The course begins with God's creation of the world in Genesis 1 and ends with the story of Ruth during the time of the Israelite judges. As students survey these books of the Old Testament, they will gain an understanding of the "big picture" of Scripture and will see how these stories of God's faithfulness in the past relate to their lives in the present. Thus, the goal of this course is two-fold—(1) to know the Word of God better in order (2) to know the God of the Word better. In this course, students will study the following portions of the Old Testament: The Creation to Abraham, The Patriarchs, The Exodus, The Law and the Wilderness, and Conquest and Judges. Upon completion of the course, students should be able to summarize the "big picture" of the Old Testament, develop the skill of interpreting the Bible, reflect on the Old Testament's relevance to their own spiritual lives, learn about the character of God through Old Testament stories, recognize the sinfulness of humanity and the grace of God, identify what God wants for his people, and understand how the Old Testament points forward to Jesus Christ.

OLD TESTAMENT SURVEY B*

Old Testament Survey B examines biblical history from the establishment of a monarchy in Israel to the Jewish people's return to their homeland after decades of exile. As students survey these books of the Old Testament, they will continue to learn about the "big picture" of Scripture and how these stories of humanity's unfaithfulness and God's faithfulness relate to their own lives. Thus, the goal of this course is two-fold—(1) to know the Word of God better in order (2) to know the God of the Word better. In this course, students will study the following portions of the Old Testament: The Monarchy of Saul, The Monarchies of David and Solomon, Poetry and Wisdom, The Divided Kingdom, and Exile and Restoration. Upon completion of the course, students should be able to summarize the "big picture" of the Old Testament, develop the skill of interpreting the Bible, reflect on the Old Testament's relevance to their own spiritual lives, learn about the character of God through Old Testament stories, recognize the sinfulness of humanity and the grace of God, identify what God wants for his people, and understand how the Old Testament points forward to Jesus Christ.

NEW TESTAMENT SURVEY A*

New Testament Survey A is the first of a two-part course. This first course in the sequence focuses attention on the study of the Gospels. The course also attends to various background issues, such as where the New Testament came from, how it was written, and how the particular texts that make up the New Testament were selected. The course does not require or promote any particular theological or denominational ideology, but instead encourages students to become good and interested readers of the New Testament. In this course, students will examine the background of the New Testament, the Old Testament story that the New Testament continues, the canonization, transmission, and translation of the New Testament, and the Gospels (Matthew, Mark, Luke, and John) through careful reading. Upon successfully completing the course, students will be able to identify the four Gospels, describe the differences between the Gospels, especially concerning content and major themes, identify major covenants from the Old Testament and how they are fulfilled in the New Testament, explain how the New Testament documents were written, collected, and preserved, and engage in questions of faith that are raised by the life and teachings of Jesus.

NEW TESTAMENT SURVEY B*

New Testament Survey B is the second of a two-part course. The first course focused attention on the Gospels. This course attends to the remainder of the New Testament, including the Acts of the Apostles, the Letters of Paul, the General Epistles, and Revelation. The course does not require or promote any particular theological or denominational ideology, but instead encourages students to become good and interested readers of the New Testament. In this course, students will examine the rise of the early Church through the book of Acts, the role of Paul in forming and shaping the Christian movement, controversies that arose in the early Church and how those controversies were addressed by the leaders of the Church and the letters they wrote, and the genre and importance of Revelation as apocalyptic literature. Upon successfully completing the course, students will be able to tell the story of the rise of the early Church, including significant characters, events, and controversies; identify the 13 letters of Paul; identify the major content and purpose of each of Paul's letters; identify the major content and purpose of each of the General Epistles; describe the genre of "apocalyptic"; and engage in questions that arise in one's personal faith while using the New Testament as a guide in answering those questions.

BIBLE DOCTRINE

Bible Doctrine provides a developmental and in-depth academic study of the teachings of the Old and New Testaments, focusing on important topics including the faithfulness of God; the doctrine of Christ; the nation of Israel; the history and integrity of the Bible; the pursuit of happiness; and friendship, dating, and marriage. There is also a special emphasis on the book of Romans. These areas target four content strands: theology, the attributes of God, Christian growth, and Christian evidences.

CHRISTIAN FAITH AND LIVING

Christian Faith and Living is a practical course about how to live as a Christian in our world. The course will provide students with the skills needed to study and interpret scripture, pray, relate to the body of Christ, interact with the world, and evaluate the influences they encounter. In this course, students will examine their Identity in Christ, Spiritual Disciplines, Christian Citizenship, Overcoming Obstacles to Faith, and Spiritual Maturity. Upon successfully completing the course, students will be able to explain what a Christian is and what a Christian does, practice disciplines that will help them to grow in their faith, relate as a Christian to other people in their home, community, and workplace, deal with obstacles to their faith, and develop strategies for a lifelong commitment to discipleship.

FOUNDATIONS FOR LIVING

Foundations for Living is an elective for high school students. Designed specifically with 11th and 12th graders in mind, Foundations for Living provides a Bible-based, sequential development of a Christian worldview through the use of fundamental truths from the Bible and the application of biblical principles to the various areas of contemporary life. The course aims to pull all of a student's education together into a unified whole, preparing them for their new adventures beyond high school in the home, church, college, and society. Throughout this course, students will build the skills and knowledge needed in order to do the following: understand the unique identity of the Christian worldview, observe how all truth properly fits together into the Christian worldview, discern the difference between Christian and non-Christian worldviews, think and live with discernment and conviction, recognize how the world's philosophies of the past affect contemporary thinking and living, and judge and assess any issue using a biblical model.

ADVANCED PLACEMENT®

AP® ENGLISH LANGUAGE AND COMPOSITION ◇

In this introductory college-level course designed to prepare students for the Advanced Placement exam, students advance their understanding of rhetoric and writing through the reading, analyzing, and writing of rhetorical texts. Throughout the course, students explore the basic tenets of writing and argumentation, such as rhetorical situation, claims and evidence, reasoning and organization, and style. Students will read and analyze a variety of nonfiction genres, including essays, journalism articles, political writings, science and nature writings, autobiographies and biographies, diaries, speeches, historical documents, and criticisms from multiple perspectives and backgrounds. The primary focus is on writing evidence-based analytical, synthesis, and argumentative essays and analyzing the rhetorical choices of a wide range of nonfiction writers. In addition to explicit instruction and learning activities, the course offers specific exam preparation lessons and practice.

AP® ENGLISH LITERATURE AND COMPOSITION ◇

In this introductory college-level course designed to prepare students for the Advanced Placement exam, students develop the fundamentals of literary analysis and introductory college composition. The course focuses on analyzing, evaluating, and interpreting literary fiction, poetry, and drama from a range of literary periods, authors, and perspectives. The diverse canon allows students to explore the function of character, setting, structure, narrator, and figurative language. Through a wide range of instruction and activities, students articulate their interpretation of literature through writing. The course includes exam preparation and practice that anticipates common student misconceptions.

AP® CALCULUS AB # ◇

This college-level, full-year course prepares students for the Advanced Placement (AP) Calculus AB Exam. Major topics of study in this full-year course include a review of pre-calculus, limits, derivatives, definite integrals, mathematical modeling of differential equations, and the applications of these concepts. Emphasis is placed on the use of technology to solve problems and draw conclusions. The course utilizes a multi-representative approach to calculus with concepts and problems expressed numerically, graphically, verbally, and analytically.

AP® STATISTICS # ◇

This full-year, college-level course is designed to prepare students for the Advanced Placement (AP) Statistics exam. Major topics of study include exploring one-and two-variable data, sampling, experimentation, probability, sampling distributions, and statistical inference. These topics are organized into three big ideas: variation and distribution, patterns and uncertainty, data-based predictions, decisions, and conclusions.

AP® ENVIRONMENTAL SCIENCE* ▲ ◇

Environmental Science is a laboratory- and field-based course designed to provide students with the content and skills needed to understand the various interrelationships in the natural world, to identify and analyze environmental problems, and to propose and examine solutions to these problems. Since this is an online course, the laboratory- and field-based activities will be completed virtually and via experiments that students can easily perform at home with common materials. The course is the equivalent of a one semester, college-level ecology course, which is taught over a full year in high school. The course encompasses human population dynamics, interrelationships in nature, energy flow, resources, environmental quality, human impact on environmental systems, and environmental law.

AP® WORLD HISTORY: MODERN ◇

This advanced study of world history explores historical themes common to societies around the world and across time periods, from 1200 to the present day. Emphasis is placed on document analysis, historical thinking skills, reasoning processes, and essay writing. Students will demonstrate their understanding and acquisition of skills through written work, document-based questions, project-based activities, and practice exams.

AP® US HISTORY ◇

This course surveys the history of the United States from the settlement of the New World to modern times and prepares students for the AP United States History Exam. The course emphasizes themes such as national identity, economic transformation, immigration, politics, international relations, geography, and social and cultural change. Students learn to assess historical materials, weigh the evidence and interpretations presented in historical scholarship, and analyze and express historical understanding in writing.

AP® US GOVERNMENT AND POLITICS* ◇

This one-semester college-level course is designed to prepare students for the AP United States Government and Politics exam. Students will study the Constitutional underpinnings and structure of the United States government, issues of politics and political parties, and topics in civil rights and public policy, demonstrating their understanding and acquisition of skills through written work, project-based activities, and practice exams.

AP® HUMAN GEOGRAPHY ◇

Human Geography is a college-level course designed to prepare students for the AP Human Geography Exam. The goal of the course is to provide students with a geographic perspective through which to view the world. Through a combination of direct instruction, documentary videos, and online readings, students will explore geographic concepts, theories, and models; human environment interactions; and interactions among human systems. Topics covered include population, culture, political organization of space, agricultural land use, industrialization, and urban land use. Students will demonstrate their understanding and acquisition of skills through essays, document-based questions, student collaborative activities, and practice AP exams.

AP® PSYCHOLOGY ◇

AP Psychology will introduce students to the systematic study of the behavior and mental processes of human means and animals. Students are exposed to the psychological facts, principles, and phenomena associated with the major fields within psychology. Students also learn about the methods psychologists use in their science and practice. The major aim of this course is to provide each student with a learning experience equivalent to that obtained in most introductory college psychology courses. In addition, this course has been designed to help students successfully achieve a passing score on the AP Psychology exam.

WORLD LANGUAGES**HS AMERICAN SIGN LANGUAGE 1A**◇ AND 1B**◇**

This beginning of this full-year course will introduce you to vocabulary and simple sentences, so that you can start communicating right away. Importantly, you will explore Deaf culture: social beliefs, traditions, history, values and communities influenced by deafness. The second semester will introduce you to more of this language and its grammatical structures.

HS AMERICAN SIGN LANGUAGE 2A◇ AND 2B**◇**

In this course, students will build on the skills they learned in American Sign Language 1 and explore the long and rich history of Deaf culture and language. They will expand their knowledge of the language as well as their understanding of the world in which it is frequently used. Students will grow their sign vocabulary and improve their ability to interact using facial expressions and body language. They will also learn current trends in technology within ASL as well as potential education and career opportunities.

HS AMERICAN SIGN LANGUAGE 3A◇ AND 3B**◇**

As students dive into more advanced ASL signing, including unique grammar features, advanced classifiers and locatives, they'll learn, compose, and present newfound vocabulary and narratives by immersion in Deaf culture and community. Students will learn opinions, slang, and idioms, to using technology and media that offers authentic Deaf perspectives. They will explore how travel, cultural differences, and geography affect sign language, and gain a better understanding of Deaf culture by learning important events and examining topics such as education, science, and literature. Additionally, through discussing Deaf culture and experiences, students will advance their signing skills by developing verb tenses, grammar, and syntax in real conversation activities and through opportunities to debate real issues. Students will explore the next steps in education and career opportunities for their new intermediate ASL skills.

HS CHINESE I °◇

High school students begin their introduction to Chinese with fundamental building blocks in four key areas of foreign language study: listening, speaking, reading, and writing. Each unit consists of a new vocabulary theme and grammar concept, numerous interactive games reinforcing vocabulary and grammar, reading and listening comprehension activities, speaking and writing activities, and multimedia cultural presentations covering major Chinese-speaking countries.

HS CHINESE II °◇

Students in high school continue their introduction to Chinese in this second-year course with review of fundamental building blocks in four key areas of foreign language study: listening, speaking, reading, and writing. Each unit consists of a new vocabulary theme and grammar concept, numerous interactive games reinforcing vocabulary and grammar, reading and listening comprehension activities, speaking and writing activities, and multimedia cultural presentations covering major Chinese-speaking countries.

HS FRENCH I ◇

High school students begin their study of French language and culture with fundamental building blocks in four key areas: listening, speaking, reading, and writing. Each lesson includes activities focused on vocabulary and pronunciation, grammar, reading and writing, and listening and speaking. The course also includes video and text presentations covering people, places, and events in French-speaking areas across the globe.

HS FRENCH II ◇

Students continue their introduction to French in this second-year, high school language course with review of fundamental building blocks in four key areas of foreign language study: listening, speaking, reading, and writing. Each unit consists of a new vocabulary theme and grammar concept, numerous interactive games reinforcing vocabulary and grammar, reading and listening comprehension activities, speaking and writing activities, cultural presentations covering major French-speaking areas across the globe.

HS FRENCH III ◇

In this expanding engagement with French, students deepen their focus on four key skills in foreign language acquisition: listening, speaking, reading, and writing. In addition, students read significant works of literature in French and respond orally or in writing to these works. Continuing the pattern and building on what students encountered in the first two years, each unit consists of a new vocabulary theme and grammar concept, numerous interactive games reinforcing vocabulary and grammar, reading and listening comprehension activities, speaking and writing activities, and multimedia cultural presentations covering major French-speaking areas across the globe.

HS GERMAN I °◇

High school students begin their introduction to German with fundamental building blocks in four key areas of foreign language study: listening, speaking, reading, and writing. Each unit consists of a new vocabulary theme and grammar concept, numerous interactive games reinforcing vocabulary and grammar, reading and listening comprehension activities, speaking and writing activities, and cultural presentations covering major German-speaking areas across the globe.

HS GERMAN II °◇

Students continue their introduction to high school German in this second-year course with review of fundamental building blocks in four key areas of foreign language study: listening, speaking, reading, and writing. Each unit consists of a new vocabulary theme and grammar concept, numerous interactive games reinforcing vocabulary and grammar, reading and listening comprehension activities, speaking and writing activities, and cultural presentations covering major German-speaking areas across the globe.

HS LATIN I °◇

High school students begin their introduction to Latin with fundamental building blocks in four key areas of foreign language study: listening, speaking, reading, and writing. Each unit consists of a new vocabulary theme and grammar concept, numerous interactive games reinforcing vocabulary and grammar, reading and listening comprehension activities, speaking and writing activities, cultural presentations covering significant aspects of Roman culture or their modern-day manifestations, and assessments.

HS LATIN II °◇

Students continue their introduction to high school Latin by continuing to cover the fundamental building blocks in four key areas of foreign language study: listening, speaking, reading, and writing. Each unit consists of a new vocabulary theme and grammar concept, a notable ancient myth in Latin, numerous interactive games reinforcing vocabulary and grammar, reading and listening comprehension activities, speaking and writing activities, cultural presentations covering significant aspects of Roman culture or their modern-day manifestations, and assessments.

HS SPANISH I ◇

High school students begin their study of Spanish language and culture with fundamental building blocks in four key areas: listening, speaking, reading, and writing. Each lesson includes activities focused on vocabulary and pronunciation, grammar, reading and writing, and listening and speaking. The course also includes video and text presentations covering people, places, and events in Spanish-speaking areas across the globe.

HS SPANISH II ◇

High school students continue their introduction to Spanish with fundamental building blocks in four key areas of foreign language study: listening, speaking, reading, and writing. Each unit consists of a new vocabulary theme and grammar concept, numerous interactive games reinforcing vocabulary and grammar, reading and listening comprehension activities, speaking and writing activities, cultural presentations covering major Spanish-speaking areas across the globe.

HS SPANISH III ◇

In this expanding engagement with Spanish, students deepen their focus on four key skills in foreign language acquisition: listening, speaking, reading, and writing. In addition, students read significant works of literature in Spanish and respond orally or in writing to these works. Continuing the pattern and building on what students encountered in the first two years, each unit consists of a new vocabulary theme and grammar concept, numerous interactive games reinforcing vocabulary and grammar, reading and listening comprehension activities, speaking and writing activities, and multimedia cultural presentations covering major Spanish-speaking areas across the globe.

GENERAL ELECTIVES**AMERICAN LITERATURE***

American Literature is a five-unit elective that engages high school students in a literary conversation with some of the most colorful and influential minds in American history. Their words will give students a greater understanding of themselves, their culture, and the ideas of others. The course teaches students the various movements in American literature, starting with the roots of American literature in writings from the Puritans. The course concludes with works by Dr. Martin Luther King, Jr., and other black writers who were part of the struggle for racial freedom during the civil rights era. By the end of this course, students should be able to recognize the religious beliefs of selected founding fathers, as evidenced in their writings; identify the birth of a distinctively American literature; recognize the impact of slavery on individuals and society; understand and identify the influence of modernism upon religion and the arts; and recognize the dominant themes and techniques used in literature at the end of the twentieth century.

ANTHROPOLOGY 1: UNCOVERING HUMAN MYSTERIES* ◇

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 2: MORE HUMAN MYSTERIES UNCOVERED* ◇

Anthropology has helped us better understand cultures around the world and through different time period. 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 gave meaning to different stages of life and death. The course will also examine the creation of art within cultures and examine 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.

ARCHAEOLOGY: DETECTIVES OF THE PAST* ◇

George Santayana once said, "Those who cannot remember the past are condemned to repeat it." The field of archaeology 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.

ART APPRECIATION ◇

This full-year course offers a broad exploration of visual art through cultural, historical, and technical lenses. Students investigate how art functions in politics, commemoration, religion, and self-expression across global civilizations. Emphasis is placed on analyzing elements and principles of design, refining critique skills, and interpreting meaning through symbolism and context. Students study diverse media including drawing, painting, sculpture, ceramics, and architecture, alongside major art movements such as Renaissance, Impressionism, and Modernism. This course contains content from both Art History and Visual Arts; to avoid duplication, students should take either those one-semester courses or this full-year course.

ART HISTORY I ◇

Introducing art within historical, social, geographical, political, and religious contexts for understanding art and architecture through the ages, this course offers high school students an in-depth overview of art throughout history, with lessons organized by chronological and historical order and world regions. Students enrolled in this course cover topics including early medieval and Romanesque art; art in the twelfth, thirteenth, and fourteenth centuries; fifteenth-century art in Europe; sixteenth-century art in Italy; the master artists; High Renaissance and baroque art; world art, which includes the art of Asia, Africa, the Americas, and the Pacific cultures; eighteenth- and nineteenth-century art in Europe and the Americas; and modern art in Europe and the Americas. 2024 Description – Awaiting updates.

BLACK HISTORY IN AMERICA 1A* ◇ **AND 1B*** ◇

By examining the stories of brave men and women who persevered, built community, and contributed to our nation's goals—sometimes amid great persecution—we can all learn how to pave a brighter future. Learn about the incredible history of Black people who have left a mark on the fabric of the United States to the ways the country has wrestled with its past to understand slavery, emancipation, and the fight for civil rights in our nation.

BRITISH LITERATURE*

Beginning with works from the Middle Ages, British Literature is a five-unit course that teaches high school students about some of the greatest books of Western Civilization. Students will learn how to appreciate the English literature of the Middle Ages for its wisdom and beauty and will also gain a better understanding of the development of the English language and its literature. Course units cover one to two centuries, concluding with the writings of apologist C.S. Lewis in the 20th century. Through this course, students will gain a better understanding of the beginning and development of the English language and its literature, recognize the Bible's central importance to the English Reformation, appreciate the wisdom and eloquence of the authors of each period, evaluate literature by comparing it to Scripture, discern the causes and the consequences of "the absence of God" from modern society, and appreciate the influence of Christian writers in the twentieth century.

COLLEGE PLANNER*

College Planner is a one-semester high school elective with the following goals: guiding students in the entire college process, planning for college, selecting the right school, the application process, financial aid, and guiding students who may not be headed to college. The program focuses on the decision-making process of choosing a school, covering both the application process and financial requirements. Additionally, for those students who will not be attending college or university, the course surveys non-college options. Upon completion of the course, students should be able to articulate reasons for attending college and for choosing a specific institution over another, identify the planning steps to be taken by students during each year of high school, understand the basic differences between the SAT and ACT entrance exams, knowing how best to prepare for each one, understand the major costs of attending college and what financial aid options are available, and identify post-high school options for individuals who will not be attending college. Additionally, students will gain practice in report-writing, covering topics like God's plan, admissions essays, college costs, and more.

CREATIVE WRITING: UNLEASHING THE CORE OF YOUR IMAGINATION* ◇

Think about the Declaration of Independence, the Bill of Rights, and Lincoln's 2nd In Augural Address. How have these writings shaped our country and the future? While you learn how to unleash the core of your imagination to develop your own creative writing, you'll also explore creative writing through foundational literary works from the 18th to 20th century of Colonialism to American Gothic to Modernism, and everything in between, while evaluating original writings and their interpretations.

ESSENTIALS OF COMMUNICATION*

Essentials of Communication: A Guide to Interacting Effectively in Today's World™ is a five-unit elective course for high school students. The materials cover fundamentals of the communication process important for successful interaction in a variety of social and professional settings. Students can use the course to gain and apply knowledge about communication theories, characteristics of language and language use, interpersonal relationships, group dynamics, and public speaking in order to interact more effectively with others. The course seeks to help students expand their knowledge and skills as communicators so that they may achieve the following goals: know and understand aspects of communication theories and processes appropriate to both social and professional settings, use interpersonal communication strategies appropriately in social and professional settings, effectively communicate in social and professional group settings, and plan, prepare, deliver, and evaluate formal and informal personal and professional presentations. In attaining these goals, students will be better equipped to use communication to hone other life skills, including exchanging information, fulfilling social obligations, developing relationships, and understanding and meeting the needs of others.

GOTHIC LITERATURE: MONSTER STORIES* ◇

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

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, the potential for government-supported terror, and they will get glimpses of kindness and humanity in the worst of times.

HUMAN GEOGRAPHY ◇

Human Geography is a full-year high school level course that takes a thematic approach to the study of all aspects of the field of human geography, including: human-environment interaction, cultural, political, and economic geography, and globalization and the interconnectivity of the world's people and places. In this course, students will develop and apply skills related to mapping, data analysis, and problem solving.

INTRODUCTION TO ART ◇

Covering art appreciation and the beginning of art history, Intro to Art encourages students to gain an understanding and appreciation of art in their everyday lives. Presented in an engaging format, this full-year course provides an overview of many introductory themes: the definition of art, the cultural purpose of art, visual elements of art, terminology and principles of design, and two- and three-dimensional media and techniques. Tracing the history of art, high school students enrolled in the course also explore the following time periods and places: prehistoric art, art in ancient civilizations, and world art before 1400.

INTRODUCTION TO COMMUNICATIONS AND SPEECH ◇

Beginning with an introduction that builds student understanding of the elements, principles, and characteristics of human communication, this course offers fascinating insight into verbal and nonverbal messages and cultural and gender differences in the areas of listening and responding. High school students enrolled in this course will be guided through engaging lectures and interactive activities, exploring themes of self-awareness and perception in communication. The course concludes with units on informative and persuasive speeches, and students are given the opportunity to critique and analyze speeches.

JOURNALISM 1A* ◇ AND 1B* ◇

If you're the first to know what's going on in your school or town, or the first to post on Facebook or Instagram about your favorite TV shows or favorite celebrities, then you're just the person that every online, in-print, and broadcast news outlet is looking for. And Journalism: Investigating the Truth is the perfect course for you! In this course, you'll learn how to write a lead that grabs your readers, how to write engaging news stories and features, and how to interview sources. You'll also learn about the history of journalism, how to succeed in the world of social media news, and how to turn your writing, photography, and people skills into an exciting and rewarding career.

LITERACY & COMPREHENSION II ◇

Offering high-interest topics to motivate students who are reading two to three levels below grade, this course works in conjunction with Literacy & Comprehension I to use a thematic and contemporary approach to expose students to effective instructional principles using diverse content area and real-world texts. Each of these reading intervention courses offers an engaging, technology-based interface that inspires and challenges high school and middle school students to gain knowledge and proficiency in the following comprehension strategies: summarizing, questioning, previewing and predicting, recognizing text structure, visualizing, making inferences, and monitoring understanding with metacognition. Aimed at improving fluency and vocabulary, self-evaluation strategies built into these courses inspire students to take control of their learning.

MUSIC APPRECIATION: THE ENJOYMENT OF LISTENING* ◇

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

MYTHOLOGY AND FOLKLORE: LEGENDARY TALES* ◇

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.

PERSONAL FINANCE* ◇

This one-semester introductory finance course teaches what it takes to understand the world of finance and make informed decisions about managing finances. Students learn more about economics and become more confident in setting and researching financial goals as they develop the core skills needed to be successful. In this one-semester course, students learn how to open bank accounts, invest money, apply for loans, apply for insurance, explore careers, manage business finances, make decisions about major purchases, and more. Students will be inspired by stories from finance professionals and individuals who have reached their financial goals.

PERSONAL FINANCIAL LITERACY*

Personal Financial Literacy is a semester-length elective designed to help high school students prepare for success in making financial decisions throughout their lives. Topics in the course address the advantages of making sound financial decisions in both the short and long term, income planning, money management, saving and investing, and consumer rights and responsibilities. Upon completion of Personal Financial Literacy, students should possess the knowledge and skills needed to find and evaluate financial information from a variety of sources when making personal financial decisions, understand the role of income, taxes, and research in developing and planning a career path, develop systems for managing money (including saving and investing) tied to personal financial goals, and recognize and understand a consumer's rights and responsibilities in a complex world market.

PERSONAL PSYCHOLOGY 1* ◇

In this course, you'll explore the broad scope of psychology from biology's impact on our psychological makeup to society's impact on who we become. You'll look closely at the changing and sometimes conflicting thoughts of researchers and scientists and how the field of psychology has changed. You'll also explore clinical psychology and how people find treatment.

PERSONAL PSYCHOLOGY 2* ◇

Why do you sometimes remember song lyrics but can't remember where you left your phone, your keys, or even your shoes? How does language affect the way we think? Why is your personality so different from (or so similar) your brother's or sister's personality? Personal Psychology II: Living in a Complex World will you to explore what makes you 'you.' Why do some things motivate you more than others? How can you determine your IQ? If you've ever wanted to dive right into the depths of who you are and how you got to be you, jump on board and start your exploration now!

PHILOSOPHY: THE BIG PICTURE* ◇

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.

PUBLIC SPEAKING 1A* ◇ AND 1B* ◇

The art of public speaking is one which underpins the very foundations of Western society. This course examines those foundations in both Aristotle and Cicero's views of rhetoric, and then traces those foundations into the modern world. Students will learn not just the theory, but also the practice of effective public speaking, including how to analyze the speeches of others, build a strong argument, and speak with confidence and flair. By the end of this course, students will know exactly what makes a truly successful speech and will be able to put that knowledge to practical use.

PSYCHOLOGY*

Psychology is an introductory elective course for high school students. Throughout the course, students will examine influences on human actions and beliefs, factors influencing behavior and perception, and basic psychological theories. Students will develop and apply their understanding of psychology through lessons and projects that require interaction and observation of others. Unit 1: Students will be introduced to the beginnings of psychology, research methods, and ethics of the profession. Unit 2: Students will examine the biology of behavior, sensory processes, motivation, and stress. Unit 3: Students will learn about the stages of human development and personality. Unit 4: Students will discover the different methods of learning, aspects of memory, language, and levels of consciousness. Unit 5: Students will explore mental disorders and abnormal behaviors and how to treat them. They will also determine why people obey and influence others' behavior.

SOCIAL PROBLEMS 1: A WORLD IN CRISIS* ◇

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 also begin to develop the skills necessary to help make a difference in their own lives and communities, not to mention globally.

SOCIAL PROBLEMS 2: CRISIS, CONFLICTS AND CHALLENGES* ◇

This course continues to examine timely social issues affecting individuals and societies around the globe. Students learn about the overall structure of the social problem as well as how it impacts their lives. 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 the connections in the global arena involving societies, governments, and the individual.

SOCIOLOGY 1* ◇

Human beings are complex creatures, and when we interact and begin to form relationships and societies, things become even more complicated. Are we more likely to act differently in a group than we will when we're alone? How do we learn how to be "human"? Examine answers to these questions and many more as you explore culture, group behavior, and societal institutions and how they affect human behavior.

SOCIOLOGY 2* ◇

Have you ever looked at your social media feed and wondered why there is always so much fighting over social issues? Discover how social institutions like families, religion, government, and education shape our world and how collective behavior and social movements can create change. Investigate how our lives are shaped by entertainment, social institutions, and social change.

STRATEGIES FOR ACADEMIC SUCCESS* ◇

Offering a comprehensive analysis of different types of motivation, study habits, and learning styles, this one-semester course encourages high school and middle school students to take control of their learning by exploring varying strategies for success. Providing engaging lessons that will help students identify what works best for them individually, this one-semester course covers important study skills, such as strategies for taking high-quality notes, memorization techniques, test-taking strategies, benefits of visual aids, and reading techniques.

TWENTIETH CENTURY AMERICAN HISTORY*

Twentieth Century American History is a history elective for high school students interested in examining American history during a century of change, continuity, and conflicts. Students will examine America's economic, political, governmental, cultural, and technological growing pains during the twentieth century. They will also consider the causes and effects of national and international cooperation, competition, and conflict. Unit 1: Students will examine the major economic, political, and social changes of the 1800s including the Industrial Revolution, urbanization, and immigration. Unit 2: Students will explore the effects of the late 1800s by looking at all aspects of Progressivism. Unit 3: Students will study issues that occurred after World War I including the Russian Revolution, the Red Scare, and the three presidents following Woodrow Wilson. Unit 4: Students will obtain knowledge on World War II, the Cold War, Eisenhower, and post-war American society. Unit 5: Students will identify the Civil Rights Movement, the rise of conservatism, post-Cold War foreign policy, and the economic and social issues facing contemporary America. In attaining these goals, students will develop insight and perspective on the themes and patterns of history and a greater understanding of today's world.

VIETNAM ERA*

What comes to mind when you think about the Vietnam Era? For many, that period represents a difficult time in U.S. history. It is defined by an unpopular war that claimed the lives of 58,000 Americans and some 3 million Vietnamese. In this course, you'll look at the history of the Vietnam War. The roots of the conflict stretch further back than you might know. You'll examine why the United States got involved in the conflict and why the United States failed to achieve its objectives. Unit 1: Students will learn about the history of Vietnam before the war and explain why the United States got involved in Vietnam. Unit 2: Students will study the growth of U.S. involvement in Vietnam following the 1954 Geneva Accords to the first American combat troops in 1965 after the Gulf of Tonkin incident. Unit 3: Students will describe fighting techniques and efforts by both the Vietnamese and Americans as well as the U.S. public opinion about the war. Unit 4: Students will explore the Tet Offensive, Vietnamization, and the end of the war. Unit 5: Students will identify the outcome of the Vietnam War, examine the 1973 Paris Peace Accords, and explain the impact of the Vietnam War on American foreign policy.

WORLD GEOGRAPHY

World Geography takes students on a journey around the world in which they will learn about the physical and human geography of various regions. They will study the history of each region and examine the political, economic, and cultural characteristics of the world in which we live. Students will also learn about the tools and technologies of geography such as globes, maps, charts, and global information systems. Upon completion of the course, students should be able to select and use geographic tools to get information and make predictions, compare places based upon their similarities and differences, identify geographic factors that influenced historic events, evaluate the interrelatedness and interdependence of physical and human systems and their impact on our earth, analyze the role played by culture in the spatial organization of the earth, and define the key geographic concerns facing the world and strategize methods to deal with these issues in the future. Students will also gain practice in writing and note-taking. They will be asked to create graphic organizers, conduct research, analyze information, and write essays on topics such as current events, energy resources, national parks, and more.

WORLD RELIGIONS: EXPLORING DIVERSITY* ◇

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.

PHYSICAL EDUCATION & HEALTH ELECTIVES**ADAPTIVE PE* ◇**

This course allows for customized exercise requirements based on a student's situation. In addition, students learn the basic skills and information needed to begin a personalized exercise program and maintain an active and healthy lifestyle. Students research the benefits of physical activity and the techniques, principles, and guidelines of exercise to keep them safe and healthy.

ADVANCED PE 1* & 2* ◇

This two-semester course guides students through an in-depth examination of the effects of exercise on the body. Students learn how to exercise efficiently and properly. Basic anatomy, biomechanics, and physiology will serve as a foundation for students to build effective exercise programs. The study of nutrition and human behavior is also an integral part of the course. Students conduct fitness assessments and participate in weekly physical activity. These courses are recommended for grades 10–12.

COMPREHENSIVE PE* ◇

In this course, students will explore concepts involving personal fitness, team sports, dual sports, and individual and lifetime sports. Students will focus on health-related fitness as they set goals and develop a program to improve their fitness level through cardio, strength, and flexibility training. In addition, they will learn about biomechanics and movement concepts as they enhance their level of skill-related fitness. Students will learn about game play concepts and specifically investigate the rules, guidelines, and skills pertaining to soccer, softball, volleyball, tennis, walking and running, dance, and yoga. Students take a pre- and post-fitness assessment. Throughout this course, students also participate in a weekly fitness program involving elements of cardio, strength, and flexibility, as well as participating in a variety of dual, individual, and group sport activities.

CONTEMPORARY HEALTH ◇

Available as either a semester or year-long course, this high-school health offering examines and analyzes various health topics. It places alcohol use, drug use, physical fitness, healthy relationships, disease prevention, relationships and mental health in the context of the importance of creating a healthy lifestyle. Throughout the course, students examine practices and plans they can implement in order to carry out a healthy lifestyle, and the consequences they can face if they do not follow safe practices. In addition, students conduct in-depth studies in order to create mentally and emotionally healthy relationships with peers and family, as well as nutrition, sleeping, and physical fitness plans. Students also examine and analyze harassment and bullying laws. This course covers issues of sex and gender identity, same-sex relationships, contraception, and other sensitive topics. For a more conservative approach to health education, the Healthy Living course is also available.

FITNESS FUNDAMENTALS 1* ◇

This course is designed to provide students with the basic skills and information needed to begin a personalized exercise program and maintain an active and healthy lifestyle. Students participate in pre- and post-fitness assessments in which they measure and analyze their own levels of fitness based on the five components of physical fitness: muscular strength, endurance, cardiovascular fitness, flexibility, and body composition. In this course, students research the benefits of physical activity, as well as the techniques, principles, and guidelines of exercise to keep them safe and healthy. Throughout this course students participate in a weekly fitness program involving elements of cardio, strength, and flexibility.

FITNESS FUNDAMENTALS 2* ◇

This course takes a more in-depth look at the five components of physical fitness touched on in Fitness Fundamentals I: muscular strength, endurance, cardiovascular health, flexibility, and body composition. This course allows students to discover new interests as they experiment with a variety of exercises in a non-competitive atmosphere. By targeting different areas of fitness, students increase their understanding of health habits and practices and improve their overall fitness level. Students take a pre- and post-fitness assessment. Throughout this course students also participate in a weekly fitness program involving elements of cardio, strength, and flexibility.

FLEXIBILITY TRAINING* ◇

This course focuses on the often-neglected fitness component of flexibility. Students establish their fitness level, set goals, and design their own flexibility training program. They study muscular anatomy and learn specific exercises to stretch each muscle or muscle group. Students focus on proper posture and technique while training. They also gain an understanding of how to apply the FITT principles to flexibility training. This course explores aspects of static, isometric, and dynamic stretching and also touches on aspects of yoga and Pilates. In addition, this course discusses good nutrition and effective cross-training. Students conduct fitness assessments and participate in weekly physical activity.

FOUNDATIONS OF PERSONAL WELLNESS ◇

This full-year high school course explores the interconnection between physical, mental, emotional, and social health while encouraging students to make informed choices that support lifelong wellness. Students learn about physical fitness, nutrition, personal safety, and body systems through practical strategies for maintaining and improving health. The course includes guidance on first aid, environmental safety, stress management, and injury prevention. Emphasis is placed on the development of fitness programs, setting goals, and refusal skills, alongside a study of mental health, relationships, and adolescent development. Students also examine the impact of substance use, communicable diseases, and public health practices on individual and community wellness. This course contains content from both Healthy Living and Lifetime Fitness; to avoid duplication, students should take either those one-semester courses or this full-year course.

GROUP SPORTS* ◇

This course provides students with an overview of group sports. Students learn about a variety of sports and do an in-depth study of soccer, basketball, baseball/softball, and volleyball. Students learn not only the history, rules, and guidelines of each sport, but practice specific skills related to each sport. Students also learn about sportsmanship and teamwork. In addition, students study elements of personal fitness, goal setting, sport safety, and sports nutrition. Students conduct fitness assessments and participate in weekly physical activity.

HEALTH*

High School Health is a health science elective course that introduces students to what good health is, why good health is important, and what students should do in order to achieve good health. Upon completion of the course, students should be able to demonstrate an awareness of health as it applies to their own bodies, minds, and emotions; demonstrate an awareness of health as it applies to their living environments; identify the components of a healthy lifestyle and set reasonable goals to achieve a lifestyle of wellness; understand that incorporating sound health practices creates a lifestyle of moderation and wellness; understand the responsibility of properly stewarding the bodies God has given them as directed in the Bible; and describe health as it applies to broader society, the world, and their own responsibility to stimulate good health around them.

HEALTH & PERSONAL WELLNESS* ◇

This comprehensive health course provides students with essential knowledge and decision-making skills for a healthy lifestyle. Students analyze aspects of emotional, social, and physical health and how these realms of health influence each other. Students apply principles of health and wellness to their own lives. In addition, they study behavior change and set health goals to work on throughout the semester. Additional topics of study include healthy relationships, reproductive health, disease transmission, substance abuse, safety and injury prevention, environmental health, and consumer health.

HEALTHY LIVING ♦

Available as either a semester or year-long course, this high-school health offering examines and analyzes various health topics. It places alcohol use, drug use, physical fitness, healthy relationships, disease prevention, relationships and mental health in the context of the importance of creating a healthy lifestyle. Throughout the course, students examine practices and plans they can implement in order to carry out a healthy lifestyle, and the consequences they can face if they do not follow safe practices. In addition, students conduct in- depth studies in order to create mentally and emotionally healthy relationships with peers and family, as well as nutrition, sleeping, and physical fitness plans. Students also examine and analyze harassment and bullying laws.

INDIVIDUAL SPORTS* ♦

This course provides students with an overview of individual sports. Students learn about a variety of sports, yet do an in-depth study of running, walking, strength training, yoga, dance, biking, swimming, and cross-training. Students learn not only the history, rules, and guidelines of each sport, but practice specific skills related to each sport. Students also learn about the components of fitness, FITT principles, benefits of fitness, safety and technique, and good nutrition. Students conduct fitness assessments and participate in weekly physical activity.

LIFETIME & LEISURE SPORTS* ♦

This course provides students with an overview of dual and individual sports. Students learn about a variety of sports, and do an in-depth study of martial arts, Pilates, fencing, gymnastics, and water sports. Students learn not only the history, rules, and guidelines of each sport, but practice specific skills related to many of these sports. Students also learn the components of fitness, benefits of fitness, safety and technique, and good nutrition. Students conduct fitness assessments, set goals, and participate in weekly physical activity.

LIFETIME FITNESS ♦

This course, available as either a semester or a full year, explores the components of physical fitness through hands-on training, health education, and personal goal-setting. Topics include the principles of exercise, flexibility, muscular and cardiorespiratory fitness, and injury prevention. Students also study the body's systems, biomechanics, nutrition, and stress management to support total wellness. Emphasis is placed on developing personalized fitness plans and understanding how sports and physical activity contribute to lifelong health. The course includes instruction in teamwork, sportsmanship, and inclusivity in athletics.

OUTDOOR SPORTS* ♦

This course provides students with an overview of dual and individual sports. Students learn about a variety of sports, and do an in-depth study of hiking and orienteering, golf, and dual volleyball. Students learn not only the history, rules, and guidelines of each sport, but practice specific skills related to many of these sports. Students also learn the FITT principles, benefits of fitness, and safety and technique. Students conduct fitness assessments, set goals, and participate in weekly physical activity.

PERSONAL HEALTH AND FITNESS* ♦

This combined health and PE course provides students with essential knowledge and decision-making skills for a healthy lifestyle. Students will analyze aspects of emotional, social, and physical health and how these realms of health influence each other. Students will apply principles of health and wellness to their own lives. In addition, they will study behavior change and set goals to work on throughout the course. Other topics of study include substance abuse, safety and injury prevention, environmental health, and consumer health. This course is also designed to provide students with the basic skills and information needed to begin a personalized exercise program and maintain an active and healthy lifestyle. Students participate in pre- and post-fitness assessments in which they measure and analyze their own levels of fitness based on the five components of physical fitness: muscular strength, endurance, cardiovascular fitness, flexibility, and body composition. In this course, students research the benefits of physical activity, as well as the techniques, principles, and guidelines of exercise to keep them safe and healthy. Throughout this course students participate in a weekly fitness program involving elements of cardio, strength, and flexibility.

PHYSICAL EDUCATION*

Physical Education is a semester-long elective designed for high school students. The course focuses on performance of individual and team sports, with explanations of proper technique, rules of the game, and preparation. Team sports introduced include soccer, basketball, football, baseball, and volleyball. An introduction to fitness, strength, endurance, and nutrition is also included. Students will have the opportunity to perform each sport on their own time, while keeping a log of activity. The goal is incorporation of activity into their daily lives and the gain of lifelong healthy fitness habits. Throughout the course, students may be asked to answer questions or to reflect on what they've read in their notes. The notes are not graded. Rather, they are a way for students to extend their thinking about the lesson content. Students may keep handwritten or typed notes. Upon completion of Physical Education, students should possess the knowledge and skills needed to define physical fitness and describe the components of being physically fit, evaluate their fitness level, apply physical fitness, nutrition-related, and weight-management skills to their lives, understand and apply safe exercise rules, describe the history and rules of sports such as basketball, baseball, football, soccer, volleyball, and gymnastics, and describe and apply skills needed for a variety of sports.

PHYSICAL FITNESS*

Physical Fitness is a semester-length elective designed for high school students. The course focuses on the health benefits of regular physical activity and of a long-term exercise program. As students work through the course, they will learn about the many aspects of physical fitness, including basic nutrition, the importance of flexibility, cardiovascular health, muscle and strength training, and realistic goal setting. Along the way, students will be required to maintain and submit an activity log in order to measure progress in course exercises, as well as in personal fitness goals. Upon completion of Physical Fitness, students should possess the knowledge and skills needed to analyze the key components of successful physical activity and use this analysis to determine if a program is reasonable and effective, describe the three main types of physical activity that should be included in an exercise regime and the health benefits of each, perform basic fitness exercises associated with the three main types of physical activity discussed in this course, and identify the main motivational strategies that can be used to help the student continue in positive fitness habits once this course is completed.

RUNNING* ♦

This course is appropriate for beginning, intermediate, and advanced runners and offers a variety of training schedules for each. In addition to reviewing the fundamental principles of fitness, students learn about goals and motivation, levels of training, running mechanics, safety and injury prevention, appropriate attire, running in the elements, good nutrition and hydration, and effective cross-training. While this course focuses mainly on running for fun and fitness, it also briefly explores the realm of competitive racing. Students conduct fitness assessments and participate in weekly physical activity.

STRENGTH TRAINING* ♦

This course focuses on the fitness components of muscular strength and endurance. Students establish their fitness level, set goals, and design their own resistance training program. They study muscular anatomy and learn specific exercises to strengthen each muscle or muscle group. Students focus on proper posture and technique while training. They also gain an understanding of how to apply the FITT principles and other fundamental exercise principles, such as progression and overload and strength training. This course also discusses good nutrition and effective cross-training. Students take a pre- and post-fitness assessment. Students conduct fitness assessments and participate in weekly physical activity. This course is recommended for grades 10–12.

WALKING FITNESS* ♦

This course helps students establish a regular walking program for health and fitness. In addition to reviewing fundamental principles of fitness, students learn about goals and motivation, levels of training, walking mechanics, safety and injury prevention, appropriate attire, walking in the elements, good nutrition and hydration, and effective cross-training. Students take a pre- and post-fitness assessment. Throughout this course students also participate in a weekly fitness program involving walking as well as elements of resistance training and flexibility.

FINE ARTS/CTE ELECTIVES

ACCOUNTING 1A: INTRODUCTION* ◇

Accounting is more than numbers and spreadsheets; it's about unlocking the secrets of financial success and understanding how to drive a company forward. The individual who understands business finances holds sway in the organization. From decoding financial statements to mastering corporate ethics, real-world scenarios expose you to accounting principles and provide opportunities to apply your knowledge. Whether you're exploring if accounting aligns with your career aspirations or you dream of becoming an entrepreneur and want to gain a deeper understanding of managing the "books", this course will empower you to navigate accounting and make excellent decisions.

ACCOUNTING 1B: INTRODUCTION* ◇

This course is not about crunching numbers; it's about understanding how accounting shapes business and how you can make a difference. Building on what you already know, this course takes you deeper into real-life applications of the accounting cycle. You will explore how modern tools, like inventory management, payroll, and cutting-edge technology, are shaping accounting today. Think like a boss as you work on a project throughout this course: managing internal controls for your own fictional company. Accounting is your chance to make an amazing impact in business and life.

ADVANCED NETWORKING 1A** ◇

In this course, you will learn about a variety of different networks, their layers, and the different needs they address. You'll uncover best practices for setting up secure remote access connections, techniques to troubleshoot and think strategically, and correct documentation. Lastly, you'll learn tips to successfully communicate in the workplace.

ADVANCED NETWORKING 1B** ◇

In this course, you'll learn the methods used to manage traffic, transmissions, and users based on organizational needs and the important decisions that go into building an optimal network. You'll explore types of malicious attacks and the role that risk management plays in the strategic planning to prepare for, monitor, and efficiently remediate damage. Lastly, you'll investigate processes that can be used to prevent, monitor, and notify of these events to employ action plans quickly.

ADVERTISING AND SALES PROMOTION* ◇

Every year companies spend \$200 billion promoting their products and services—and that's in the United States alone! Experts estimate that by the time you turn 65, you will have seen nearly 2 million TV commercials, not to mention radio ads, billboards, and online advertisements. You're familiar with what it's like on the receiving end of a company's marketing efforts, but what's it like on the other side? In this course, you'll learn how marketing campaigns, ads, and commercials are conceived and brought to life. You'll meet some of the creative men and women who produce those memorable ads and commercials. And you'll discover career opportunities in the field to help you decide if a job in this exciting, fast-paced industry is in your future!

AGRIBUSINESS SYSTEMS** ◇

Agribusiness Systems is a semester-length high school course that introduces the business, management, marketing, and financial skills needed to successfully produce food, fiber, and fuel for domestic and global markets. Students learn about the components of the agribusiness system and how they interact to deliver food to our tables. They also learn about the key elements of a successful agribusiness enterprise: economics, financial management, marketing and sales, and government policies and regulations.

AGRISCIENCE 1: 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.

AGRISCIENCE 2A** AND 2B** ◇

Science and technology are revolutionizing many areas of our lives, and agriculture is no exception! From aquaculture to genetic engineering, agriscience is finding new ways to better produce and manage plants, from the field to the garden. In Agriscience II, you'll build on your existing knowledge of plant science and delve deeper into important areas such as soil science and weed management. You'll learn more about horticulture and plant science trends from creating hybrid species to growing edible plants in unlikely places.

ALLIED HEALTH ASSISTANT 1A** ◇

Explore your options by learning how to properly care for your patients and provide for the administrative needs of healthcare. Learn to prepare exam rooms, schedule, bill, and document all while solidifying your professional skills in communication, privacy, safety, and ethics.

ALLIED HEALTH ASSISTANT 1B** ◇

Allied health encompasses a broad range of different health care professionals who provide a range of skills in the fields of dentistry, pharmaceutical, medicine, nursing, nutrition, rehabilitation, and more. This course is the second course of the Allied Health concentrator sequence and gives you the needed skills to pursue any of these careers in allied health.

ANIMAL SYSTEMS** ◇

Animal Systems is a semester-long high school course that provides students with a wealth of information on livestock-management practices, animal husbandry, physiological systems, the latest scientific trends, veterinary practice, and innovations in food production. Changes in practices, regulations, and legislation for animal welfare continue as new research provides solutions to medical, ethical, and practical concerns. The course reviews current topics, such as advancements in technology and research, and defines areas of discussion while maintaining focus on best-management practices. A student might use the knowledge gained from the course to further an interest in becoming a chef, researcher, doctor, wildlife-management professional, or any number of applicable careers.

BANKING SERVICES CAREERS* ◇

Banking Services Careers is a semester-long high school course that provides an overview of how the banking system works, what the Federal Reserve is, and the technical and social skills needed to work in banking and related services. Students explore career paths and the required training or higher education necessary and gain an understanding of the basic functions of customer transactions (e.g., setting up an account, processing a loan, establishing a business), cash drawer activity, check collection processes, and other customer service-related transactions. This course also discusses how technology has changed banking in the 21st century. The banking industry is responsible for many of the products that we use on a daily basis, from checking and savings accounts to debit cards, credit cards, and loans.

BIOTECHNOLOGY 1A: INTRODUCTION** ◇

Biotechnology is a cutting-edge, high-demand field that encompasses everything from plant and animal breeding to genetics. Discover how biotechnology has changed the world around us, from food to genetics. Explore historical applications with modern discoveries. Understand how regulations and ethics govern the course of biotechnology and learn of its importance to the field of medicine.

BIOTECHNOLOGY 1B: UNLOCKING NATURE'S SECRETS** ◇

Learn how and why biotechnology is so important to the agricultural, pharmaceutical, and genetic fields of study. You'll learn about mapping the human genome, the role of antibiotics, how medicine is created to combat diseases, and the future of the biotechnology field.

BUSINESS COMPUTER INFORMATION SYSTEMS

Business Computer Information Systems is a high school elective offered as two separate 18-week semester courses—A and B—that explores the use of technology applications in both business and personal situations. The course provides key knowledge and skills in the following areas: communication skills, business technology, word processing applications, spreadsheet applications, database applications, telecommunications technology, desktop publishing technology, presentation technology, computer networks, and computer operating systems. The course is intended to help students arrive at the following understandings: effective communications skills and productive work habits can increase employees' success, and technology solutions can help employees be more productive and effective.

BUSINESS COMPUTER INFORMATION SYSTEMS (FULL YEAR) ♦

Business Computer Information Systems is a year-long course that explores the use of technology applications in both business and personal situations. The course provides key knowledge and skills in the following areas: communication, business technology, word processing, spreadsheet, and database applications, telecommunications, desktop publishing, and presentation technology, computer networks, and computer operating systems. Note: Students may use MS Office, Google Workspace, or any comparable software to complete the activities in this course.

BUSINESS ENGLISH ♦

In this full-year course, students will use technology to develop research, organization, and written and oral communication skills as they relate to a business setting. Students will learn how to communicate appropriately by investigating nonverbal and verbal communication as it applies in the workplace. These skills will help prepare students for careers or employment within Business Administration and Management career pathways such as business management, administrative services, medical administration, and office management.

BUSINESS INFORMATION MANAGEMENT ♦

In Business Information Management, students will develop skills needed to successfully manage information in business organizations. This course teaches them the basics of information technology, personal and interpersonal skills, word processing, using databases and creating professional presentations. Students who complete the course will be able to use these skills as they transition to postsecondary education or the workforce.

BUSINESS INFORMATION MANAGEMENT 1A* ♦

Do you dream of owning your own business someday, or working for a company in a leadership position? Wherever your path may lead you, having the 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 INFORMATION MANAGEMENT 1B* ♦

Now that you have the basics of business down from the previous course, it's time to become better acquainted with the application of information management in business. Learn about professional conduct, teamwork, and managerial skills, while also examining careers in business technology. The basics of word processing, spreadsheets, databases, and presentation software are also explored so that you become better prepared for jobs in this field.

BUSINESS LAW ♦

This semester-long high school course is designed to provide students with the knowledge of some of the vital legal concepts that affect commerce and trade, after first gaining some familiarity with how laws are created and interpreted. Students are then introduced to the types of businesses that can be created as well as the contractual and liability considerations that can impact a business. Laws that affect how a business is regulated are reviewed, particularly the impact of administrative rules and regulations on a business. Global commerce and international agreements, treaties, organizations, and courts are discussed to get a better sense of what it means to "go global" with a business.

CAREER EXPLORATIONS ♦

This course prepares middle or high school students to make informed decisions about their future academic and occupational goals. Through direct instruction, interactive skill demonstrations, and practice assignments, students learn how to assess their own skills and interests, explore industry clusters and pathways, and develop plans for career and academic development.

CAREER MANAGEMENT* ♦

Career Management is a semester-length high school course that assists students in their preparation for career selection. The course is designed to improve workforce skills needed in all careers including communication, leadership, teamwork, decision making, problem solving, goal setting and time management. Students complete activities that help identify personal interests, aptitudes, and learning styles. Students use results of self-assessments to determine careers that may prove personally satisfying.

CAREER PLANNING & DEVELOPMENT ♦

Introducing high school students to the working world, this year-long course provides the knowledge and insight necessary to compete in today's challenging job market. This relevant and timely course helps students investigate careers as they apply to personal interests and abilities, develop the skills and job search documents needed to enter the workforce, explore the rights of workers and traits of effective employees, and address the importance of professionalism and responsibility as careers change and evolve. This one-semester course includes lessons in which students create a self-assessment profile, a cover letter, and a résumé that can be used in their educational or career portfolio.

CAREERS IN ALLIED HEALTH*° ♦

Careers in Allied Health is a semester-long course that focuses on select allied health careers, studying a variety of different levels, responsibilities, settings, education needs and amounts of patient contact. The course includes an overview of the degree or training needed for each job, the environment one would work in, how much money the position could make, and the facts of the actual working day. Within each job type, students explore important aspects applicable to the entire field of allied health, such as behaving ethically, working as a team, keeping patients safe and free from infections and germs, honoring diverse needs of diverse patients, and following laws and policies.

CAREERS IN CRIMINAL JUSTICE 1A* AND 1B*° ♦

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

CAREERS IN LOGISTICS PLANNING AND MANAGEMENT SERVICES*° ♦

Careers in Logistics Planning and Management Services is a semester-long course that provides high school students with the history of logistics and recent advances in the field. Units include supply chain management, inventory and transportation management, and safety in the workplace. Logistics is a high-growth industry and stable career choice. There is something for every career-seeker, ability, and experience level. The objectives of this course are to introduce the student to the field of logistics planning and management and to explain the career opportunities that are available in this field.

CAREERS IN MARKETING RESEARCH* ♦

Marketing research is the foundation of all marketing activities because it provides the data needed to make key strategic decisions about products, promotions, pricing, and other key organizational decisions. Careers in Marketing Research is a semester-long high school course that provides information about the process of investigation and problem analysis by using research to produce key marketing statistics that are communicated to management and used throughout the organization. This course concludes with the execution, interpretation, and presentation of marketing research.

CHILD DEVELOPMENT 1A* ♦

If you're considering a career in education, medicine, psychology, or areas that involve toddlers to teens, you'll need to know how they grow and develop. In this course, you will learn about the ages from womb through adolescence and the teen years. You'll explore essential topics like nature vs. nurture, developmental theories and stages, nutrition, safety precautions, family planning, and more.

CHILD DEVELOPMENT 1B* ◊

You have learned the basics of child development, and now it's time to dig deeper into the psyche and behaviors of children. In this course, you will learn about setting boundaries, creating rules, and enforcing consequences when working with children. You will explore helping kids and teens manage stress, provide support for children with disabilities and enrichment for gifted children, how to perform first aid, and more. You will also set goals for your future career working with children and adolescents.

COMPUTER APPLICATIONS – OFFICE 2019/OFFICE 365 ◊

This full-year course introduces students to the features and functionality of the most widely used productivity software in the world: Microsoft® Office®. Through video instruction, interactive skill demonstrations, and numerous hands-on practice assignments, students learn to develop, edit and share Office 2019 documents for both personal and professional use. By the end of this course, students will have developed basic proficiency in the most common tools and features of the Microsoft Office suite of applications: Word®, Excel®, PowerPoint®, and Outlook®. Note: This course includes examples from both Office 2019 and Office 365®.

Required Materials:

Students must have access to MS Office or Office 365, including Excel, Outlook, PowerPoint, and Word

COMPUTER SCIENCE PRINCIPLES* ◊

This course is available as both an elective and a CTE course. Students will explore the foundations of computer science using videos, hands-on activities, programming, investigations, and projects. They will experience much of what computer programmers do in planning, developing, testing, and refining software. Security is a key topic, and students will learn techniques for recognizing and guarding against security threats. Every unit has two to three projects, giving students the opportunity not only to write programs, but also to develop security policies, analyze real-world data, solve network problems, plan a mobile app, and more. Interwoven throughout the course are spotlights on a wide variety of careers and roles in computer science.

Required Materials:

Activities in this course require Python or the Python Anywhere app (Chromebook), the Pythonista app (iPad), or similar (e.g., PyScript)

CONCEPTS OF ENGINEERING AND TECHNOLOGY ◊**

Each day, we are surrounded by technology and engineering projects. From our phones to the bridges we drive over, engineering and technology influence many parts of our lives. In Concepts of Engineering and Technology, you will learn more about engineering and technology careers and what skills and knowledge you'll need to succeed in these fields. You'll explore innovative and cutting-edge projects that are changing the world we live in and examine the design and prototype development process. Concepts of Engineering and Technology will also help you understand the emerging issues in this exciting career field.

CONSTRUCTION CAREERS ◊**

Construction Careers is a semester-long course that introduces high school students to the basics of construction, building systems, engineering principles, urban planning, and sustainability. Students learn the key techniques in building all types of buildings, as well as the key individuals involved in each step of the process. Many lessons present information on green building techniques and concepts that are becoming a standard part of the construction industry. Safety practices are emphasized in several lessons because construction is one of the most dangerous industries; students learn that there is no way to be successful in construction without taking such issues seriously. Lessons in this course also explore regulatory agencies and guidelines established for protecting not only construction workers but also the occupants of a building.

CORRECTIONS: POLICIES AND PROCEDURES ◊**

Corrections is one of the three branches of the Criminal Justice System (CJS) in the United States. All three branches employ personnel who are authorized to uphold and enforce the law and are required to operate under the rule of law. Each branch works as part of the entire system to maintain the public safety and well-being and bring criminals to justice. Corrections facilities and programs are run by a complex system of policies and procedures, which uphold local, state, and federal laws. Corrections: Policies and Procedures gives high school students an introductory, yet thorough view of many aspects of corrections operations and legal background information as they study how prisons and prisoners have evolved into correctional facilities and programs for offenders. In this semester-long course duties, responsibilities, conduct, training, and special certification possibilities for corrections staff are explored. Many aspects of procedures in corrections are reviewed, giving students an in-depth look at what a variety of careers in this growing field encompass and require.

COSMETOLOGY 1: CUTTING EDGE STYLES ◊**

Interested in a career in cosmetology? This course introduces students 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.

COSMETOLOGY 2: THE BUSINESS OF SKIN AND NAIL CARE ◊**

Helping people put their best face forward is a growing, vibrant industry which needs skilled and personable professionals well-versed in the latest trends and technological advances. In this course, students will experience what the day-to-day life of a cosmetologist is like. They will discover that cosmetology is much more than knowing and applying techniques. Additionally, students will explore skin care and facials, learn how to give manicures and pedicures and how to apply artificial nails, and gain an understanding of different hair removal techniques.

COSMETOLOGY 3A: INTRODUCTION TO HAIR SKILLS ◊**

Cosmetology is a specialized field with a high skill set. Students will examine the complexities of cosmetology by learning to perform a hair, scalp, and skin analysis. Students will also learn about hair types, face shapes, and color theory. To prepare students for a career in cosmetology, color techniques with an emphasis on salon and chemical safety is examined.

COSMETOLOGY 3B: WAVING, COLORING, AND ADVANCING HAIR SKILLS ◊**

Let's delve into the realm of hairstyling and cutting techniques! In this course students will explore a variety of wigs, extensions, and hairpieces, while also developing knowledge about shampooing and conditioning. Discover manual curling and the use of chemicals to curl and straighten hair, as well as safety when working with chemicals. By the end of the course students will be well versed in a plethora of hair skills and techniques.

CRIMINOLOGY: INSIDE THE CRIMINAL MIND ◊**

In this course, we will look at possible explanations for crime from the standpoint of psychological, biological and sociological perspectives, explore the categories and social consequences of crime, and investigate how the criminal justice system handles not only criminals, but also their misdeeds. Why do some individuals commit crimes why others do not? What aspects in our culture and society promote crime and deviance? Why are different punishments given for the same crime?

CULINARY ARTS 1A* AND 1B* ◊

Food is all around us—we are dependent on it and we enjoy it. This course will give you the basic fundamentals to start working in the kitchen and gaining experience as you explore and establish your talents for cooking and preparing food in a creative and safe way. You will learn safety measures as well as enhance your knowledge of various types of foods and spices. If you enjoy hands-on learning and want to deepen your knowledge about culinary arts, this is a great course to start.

CULINARY ARTS 2: BAKING, PASTRY, AND MORE!* ◊

Whether students aspire to be a world-class chef or just want to learn the skills needed to create their own dishes, they'll build a strong foundation and grow their knowledge of this exciting industry. Students will explore baking and desserts, learn how to prepare proteins, and study nutrition and safety in the kitchen. They will enhance their 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.

CYBERSECURITY 1A*° AND 1B*° ♦

We depend more and more on the technologies we interact with every day, and we put more and more of our personal data out there online. Can all of that data really be kept “secret”? We all need to know more about how to protect our personal information, especially given how much we rely on and use our network devices and media. You'll learn about the various parts of your computer, how they work together, and how you can manipulate them to keep your data safe. You'll also dive into the tools, technologies, and methods that will help protect you from an attack and discover the many opportunities in the rapidly growing field of cybersecurity.

DIGITAL DESIGN 1A: INTRODUCTION* ♦

Are you an artistic person drawn to the idea of creating graphic elements? Then a career in digital design may be for you! In this course, you will learn the basic principles of design, the tools needed to succeed in the industry and how to design objects for specific purposes and audiences. You'll also learn how to market yourself and open your own design business all while building a portfolio. Let's align your skills and dreams today for a career in digital design!

DIGITAL DESIGN 1B: EXPRESS YOUR IDEAS VISUALLY* ♦

Are you ready to dig deeper and discover more about the world of digital design? In this course, you will continue building the foundational skills necessary to become a successful graphic designer. You will learn and apply effective communication and people skills, explore and implement the design process, create images, properly use equipment, and evaluate and market your own designs. By the end of the course, you'll better be able to decide if a career in digital design is for you ... and if the answer is yes, you'll be well on your way to designing a bright future!

DIGITAL MEDIA WEB DESIGN 2A*° ♦

Digital media may be a webpage, video, image, podcast, form, or more. Explore how you can develop webpages that embed different media and interactivity for excellent user experience through programming languages such as HTML and CSS. Examine trends and opportunities, education requirements, student organizations, and industry certification options.

DIGITAL MEDIA WEB DESIGN 2B*° ♦

Before you can design a great eCommerce store, it's essential to understand how one works. Learn the trends, design principles, and security strategies. Explore what it means to adhere to ethical and legal requirements and complying with industry standards and accessibility. It's time to start designing the next best eCommerce site!

DIGITAL PHOTOGRAPHY 1A* AND 1B* ♦

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-up, and action photographs.

DIGITAL PHOTOGRAPHY 2: DISCOVERING YOUR CREATIVE POTENTIAL* ♦

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.

DRUGS & ALCOHOL* ♦

This course delves into the types and effects of drugs, including alcohol, tobacco, steroids, over-the-counter drugs, marijuana, barbiturates, stimulants, narcotics, and hallucinogens. Students learn about the physiological and psychological effects of drugs, as well as the rules, laws, and regulations surrounding them. The difference between appropriate and inappropriate drug use will also be discussed. In addition, students will learn about coping strategies, healthy behaviors, and refusal skills to help them avoid and prevent substance abuse, as well as available resources where they can seek help.

EARLY CHILDHOOD EDUCATION 1A* AND 1B* ♦

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

EKG TECHNICIAN 1A*° ♦

Our hearts are essential to our survival. And EKG technicians play an important role in administering tests and evaluating data given by the electrocardiogram (EKG) to treat patients effectively. Explore the cardiovascular system and its anatomy, and its role in our body, health, and lives.

EKG TECHNICIAN 1B*° ♦

This course will prepare you to interpret different EKG waves, how to spot wave abnormalities, how to differentiate between different disorders, and how to treat those disorders.

ENGINEERING AND DESIGN*° ♦

This semester-long course focuses on building real-world problem-solving and critical thinking skills as students learn how to innovate and design new products and improve existing products. Students are introduced to the engineering design process to build new products and to the reverse engineering process, which enables engineers to adjust any existing product. Students identify how engineering and design have a direct impact on the sustainability of our environment and the greening of our economy. Finally, students incorporate the engineering design process, environmental life cycle, and green engineering principles to create a decision matrix to learn how to solve environmental issues.

ENGINEERING AND PRODUCT DEVELOPMENT*°

Engineers address society's needs and problems by designing and producing products and services. The field is diverse and includes Christian professionals who design skyscrapers, design machinery, oversee public works, and develop software and systems. The purpose of this course is to provide an overview of the concepts of product engineering and development from a Christ-centered perspective. Students will analyze the life cycle of a product to prepare it for distribution and target markets. The course begins with building an understanding of the product life cycle, from the initial idea to drafting requirements to using 3-D modeling tools and other design tools. The final unit focuses on assembling project plan pieces for a product and evaluating the plans for a successful product launch. In addition, the course will provide information about the different careers available to students interested in engineering, product development, and project management, as well as, organizations that provide encouragement to Christian engineers.

ENGINEERING AND PRODUCT DEVELOPMENT*° ♦

This semester-long course provides an overview of the concepts of product engineering and development. Students analyze the life cycle of a product to prepare a product for distribution and for target markets. The course begins with building an understanding of the product life cycle, from the initial idea to drafting requirements to using 3-D modeling tools and other design tools. The final unit focuses on assembling the pieces within a project plan to achieve a product and evaluating the plans for a successful product launch. In addition, the course provides information about the different careers available to students interested in engineering, product development, and project management.

ESSENTIALS OF BUSINESS*

This semester-long course is an introduction to the goals, processes, and operations of business enterprises for students. The main focus is on the functions that a company—whether a multinational corporation or a corner grocery store—must manage effectively to be successful. These include accounting, finance, human resource management, marketing, operations management, and strategic planning. Attention is also given to the legal environment in which businesses operate, and the importance of business ethics and corporate citizenship. Throughout the course, students may be

asked to answer questions or to reflect on what they've read in their notes. The notes are not graded. Rather, they are a way for students to extend their thinking about the lesson content. Students may keep handwritten or typed notes. Upon completion of the course, students should be able to apply business concepts to their lives, compare and contrast market economies with a controlled economy, describe the six areas of human resource management, list and define the legal forms of business ownership, name and describe the components of successful business communication, and analyze ways in which technology is changing business operations.

EXERCISE SCIENCE*° ◇

This course guides students through an in-depth examination of the effects of exercise on the body. Students learn how to exercise efficiently and properly and how to motivate themselves and others. Basic anatomy, biomechanics, and physiology will serve as a foundation for students to build effective exercise programs. The study of nutrition and human behavior is also an integral part of the course to enhance the student comprehension of this multifaceted subject. This course is recommended for grades 10–12.

FAMILY AND COMMUNITY SERVICES* ◇

Family and Community Services is a high school semester-long course that introduces applications within professions related to family and community services. Students identify degree and credential requirements for occupations in this pathway and identify individual, social, historical, economic, and cultural context to increase awareness of family and community services. Students develop the abilities necessary to evaluate and identify a range of effective communication strategies and skills for establishing a collaborative relationship with others. Students also complete a variety of projects to apply their skills and knowledge. Units are divided among career fields: Social Workers, Emergency Management and Planners, Therapists and Treatment Specialists, Education and Childcare.

FAMILY AND CONSUMER SCIENCE*

Family and Consumer Science is a 10-unit elective that uses biblical principles to help high school students develop positive self-esteem and learn to successfully navigate relationships with family, friends, co-workers, and even those in the marketplace. The curriculum introduces students to character and appearance from a biblical perspective and also teaches about nutrition, clothing styles, home care and hospitality, personal finance, and child development and care. Through this course, students will examine specific principles that will help develop their personal lives from a Christian perspective, learn about proper nutrition and demonstrate skill in preparing various food items, identify the purposes for making specific choices in clothes, prepare weekly and monthly budgets, develop skills necessary to care for children ranging from birth to young school-age, and develop an understanding of relational dynamics with family members, friends, classmates, co-workers, and those encountered in the marketplace.

FASHION DESIGN* ◇

Are your students fashion trend followers? Are they drawn to how designers have pulled together fabrics and colors to create memorable pieces? Do they dream of designing their own line of clothing or accessories? Students will learn what it takes to get started in the fashion industry, from the careers available to new technology and trends reshaping the industry every day. Students will start creating today!

FIRE AND EMERGENCY SERVICES*° ◇

Emergency and fire-management services are essential infrastructure components of a community. Fire and Emergency Services is a semester-long course that provides students with the basic structure of these organizations as well as the rules and guidelines that govern pre-employment education requirements. The vehicles, equipment, and emergency-mitigations strategies that are commonly used in the emergency- and fire-management field are also explored. Students gain an understanding of the goals of an emergency- management service and how they are implemented and managed, including personnel, budget, and labor- management challenges in the organization. Various preparedness plans are discussed as students explore typical characteristics and frameworks of modern emergency- and fire-management organizations.

FIRST AID & SAFETY*° ◇

In this course, students learn and practice first aid procedures for a variety of common conditions, including muscular, skeletal, and soft tissue injuries. In addition, students learn how to appropriately respond to a variety of emergency situations. They also learn the procedures for choking and CPR for infants, children, and adults. In addition to emergency response, students will explore personal, household, and outdoor safety and disaster preparedness.

FOOD PRODUCTS AND PROCESSING SYSTEMS*° ◇

Agriculture, food, and natural resources are central to human survival and civilization. The development, use, and stewardship of natural resources to create food products have a long and ever-changing timeline. This semester-length high school course that explores the history and evolution of food products, along with the processing methods that have arisen to feed an ever- growing world population. Students study specifics in a wide spectrum of food product topics, from early methods of preservation to technological advancements in packaging, regulations in labeling, and marketing trends. Students learn industry terminology in each area of the overall system, from “farm to fork” to vertical integration to smart packaging.

FOOD SAFETY AND SANITATION*° ◇

This comprehensive semester-long course covers the principles and practices of food safety and sanitation that are essential in the hospitality industry for the protection and well-being of staff, guests and customers. The course provides a systems approach to sanitation risk management and the prevention of food contamination by emphasizing the key components of the Hazard Analysis Critical Control Point (HACCP) food safety system. After successful completion of this course, students are prepared to meet the requirements of state and national certification exams.

FORENSICS: USING SCIENCE TO SOLVE A MYSTERY*° ◇

Forensics: Using Science to Solve a Mystery is a semester-long high school course that overviews modern-day forensic science careers at work using science concepts to collect and analyze evidence and link evidence to the crime and suspects in order to present admissible evidence in courts of law. Projects in this course include simulated crime-scene investigation, actual DNA separation, development of a cybersecurity plan, and the identification of specific forensic skills used during the course of a very large murder case. The focus of this course is to assist students in making career choices. The overview of careers includes job descriptions and availability, educational and training requirements, licensing and certification, and typical annual salaries. Students who take this class will become equipped to make more informed career choices regarding the forensic, computer science and medical science fields. At the same time, students will survey the history and scope of present-day forensic science work.

FORENSICS 1A: INTRODUCTION* ◇

Our notions of forensics are often fictionalized, containing fantastic notions of what forensic science really is. In this course, you'll explore the truth behind the science from its history to its modern-day developments. You will learn how detectives conduct thorough investigations as well as common equipment and methods that are used throughout the field. Finally, you will learn about collecting and analyzing the most common types of evidence found at a crime scene and how they guide investigators to answers.

FORENSICS 1B: THE SCIENCE OF CRIME* ◇

You've investigated the surface and have started building a case, but now it's time to examine the field of forensics further. In this course, you will delve into the details, studying DNA analysis, forensic anthropology, tool marks, arson, impressions, toxicology, questioned documents, and digital forensics. You will also explore the different specialties within a forensics team. You'll learn more about what each field entails, what that specialist does at the scene and in the lab, and what conclusions can be made based on their analysis. Let's continue strengthening your case and interests for this fascinating field. Students should take either Forensics A and B or Forensic Science 1 and 2. They should not take both, as there is significant overlap in content.

FORESTRY AND NATURAL RESOURCES*° ◇

Forests and other natural resources play an important role in our world, from providing lumber and paper products to providing habitat for birds and animals. In the Introduction to Forestry and Natural Resources course, you'll learn more about forest ecology, management, and conservation. You'll explore topics such as environmental policy, land use, water resources, and wildlife management. Finally, you'll learn more about forestry related careers and important issues facing forestry professionals today.

FUNDAMENTALS OF DIGITAL MEDIA ◇**

Fundamentals of Digital Media is a semester-long course that presents high school students an overview of the different types of digital media and how they are used in the world today. This course examines the impact that digital media has on culture and lifestyle. The course reviews the basic concepts for creating effective digital media and introduces several different career paths related to digital media. Students learn about the tools used as well as best practices employed for creating digital media. In the course, students explore topics such as the use of social media, digital media in advertising, digital media on the World Wide Web, digital media in business, gaming and simulations, e-commerce, and digital music and movies. Students also review the ethics and laws that impact digital media use or creation.

GREAT MINDS IN SCIENCE: IDEAS FOR A NEW GENERATION ◇**

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.

HEALTH CAREERS ◇**

In Health Careers 1, students explore a variety of career options related to the health care field, including medicine, nursing, physical therapy, pharmacy, dental careers, sports medicine, personal training, social work, psychology, and more. Students will learn about various options within each field, what each of these jobs entails, and the education and knowledge required to be successful. In addition, they will focus on basic job skills and information that would aid them in health care and other career paths.

HEALTH SCIENCE CONCEPTS* ◇

This year-long course introduces high school students to the fundamental concepts of anatomy and physiology—including the organization of the body, cellular functions, and the chemistry of life. As they progress through each unit, students learn about the major body systems, common diseases and disorders, and the career specialties associated with each system. Students investigate basic medical terminology as well as human reproduction and development. Students are introduced to these fundamental health science concepts through direct instruction, interactive tasks, and practice assignments. This course is intended to provide students with a strong base of core knowledge and skills that can be used in a variety of health science career pathways.

HEALTH, SAFETY, AND ETHICS IN THE HEALTH ENVIRONMENT ◇**

Health, Safety, and Ethics in the Health Environment is a semester-long high school course that focuses on healthcare safety, health maintenance practices, environmental safety processes and procedures, and ethical and legal responsibilities. It also reinforces, expands, and enhances biology content specific to diseases and disorders. Students participate in project- and problem-based healthcare practices and procedures to demonstrate the criticality of these knowledge and skills. Students develop basic technical skills required for all health career specialties including understanding occupational safety techniques and obtaining their CPR and First Aid certifications.

HOSPITALITY & TOURISM 1: TRAVELING THE GLOBE* ◇

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. Students will learn about key hospitality issues, the development and management of tourist locations, event planning, marketing, and environmental issues related to leisure and travel. The course also examines some current and future trends in the field.

HOSPITALITY AND TOURISM 2A* AND 2B*: HOTEL AND RESTAURANT MANAGEMENT ◇

In this course, students will learn about what makes the hotel and restaurant industries unique. They will learn about large and small restaurants, boutique and resort hotels, and their day-to-day operations. Students will evaluate the environment for these businesses by examining their customers and their competition. As well, they will discover trends and technological advances that makes each industry exciting and innovative. Students will explore a variety of interesting job options from Front Desk and Concierge services to Front-of-House and Food Service.

HOTEL MANAGEMENT 1A* ◇

In this course, you will learn about the business of hospitality and the different types of hotel ownership and programs. You'll explore the essential functions of a hotel from bookings, management systems, front and back of house operations, technologies, and more. You'll also discover what it takes to keep guests happy and run a sustainable program.

HOTEL MANAGEMENT 1B* ◇

In this course, you'll dig deeper into hotel organization from structure to departments and staffing needs. You'll explore management and leadership including types of managers; management styles, roles, and responsibilities; and technical and communication management skills. You'll also learn more about the big picture of the travel and tourism industry, how to handle emergencies, growth and sustainability, laws and ethics, careers in the industry, and more!

HUMAN RESOURCE MANAGEMENT 1A* ◇

In this course, you will wear the shoes of a Human Resource Management (HRM) professional and will learn how to build and manage a team to help a company reach its goals. You will also explore and perform some of the key responsibilities of a HRM professional: research, interviewing, reporting, recruiting, hiring, assessing employees, and more!

HUMAN RESOURCE MANAGEMENT 1B* ◇

In this course, you'll step into the shoes of an HRM professional and explore key duties such as onboarding, training and development, retaining and terminating employees, safety and risk managements, company communication, and more! You'll also learn about different career opportunities in the field of HRM, develop collateral based on real-world scenarios involving HRM tasks and responsibilities, and the role of HRM in a global environment.

INTERIOR DESIGN* ◇

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

INTERNATIONAL BUSINESS: GLOBAL COMMERCE IN THE 21ST CENTURY* ◇

This course is designed to help students develop the appreciation, knowledge, skills, and abilities needed to live and work in a global marketplace. It takes a global view on business, investigating why and how companies go international and are more interconnected. 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.

INTRO TO COACHING* ◇

This course focuses on the various responsibilities of a coach and the skills needed to successfully fill this important position. Throughout the course, students will explore various coaching models and leadership styles, sports nutrition, and sports psychology, as well as safety, conditioning, and cross-training. Students will learn effective communication, problem-solving, and decision-making skills. The course will also introduce students to game strategy, tactical strategy, skills-based training, and coaching skills.

INTRODUCTION TO AGRICULTURE, FOOD, AND NATURAL RESOURCES° ♦

This semester-length high school course introduces students to the basic scientific principles of agriculture and natural resources. Students recognize and research plant systems, animal systems, government policy, “green” technologies, agribusiness principles, and sustainability systems. In this course, students apply understanding of ecosystems and systems thinking to the management of natural resources to maximize the health and productivity of the environment, agriculture, and communities. Students also analyze community practice or policy development related to sustainability in agriculture, food, and natural resources. Finally, students apply adaptive ecosystem management to a common pool resource problem in a manner that addresses ecological, socioeconomic, and institutional contexts.

INTRODUCTION TO BUSINESS ♦

In this two-semester introductory course, students learn the principles of business using real-world examples— learning what it takes to plan and launch a product or service in today’s fast-paced business environment. This course covers an introduction to economics, costs and profit, and different business types. Students are introduced to techniques for managing money, personally and as a business, and taxes and credit; the basics of financing a business; how a business relates to society both locally and globally; how to identify a business opportunity; and techniques for planning, executing, and marketing a business to respond to that opportunity.

INTRODUCTION TO CAREERS IN ARCHITECTURE AND CONSTRUCTION*° ♦

The goal of this semester-long high school course is to provide students with an overview of careers in architecture and construction in order to assist with informed career decisions. This dynamic, rapidly evolving career cluster is comprised of three pathways (fields): Design and Pre-Construction (Architecture and Engineering); Construction (Construction and Extraction); and Maintenance and Operations (Installation, Maintenance, and Repair). The Architecture and Construction career cluster is defined as careers in building, designing, managing, maintaining, and planning the built environment. The built environment encompasses all zones of human activity—from natural conservation areas with minimal human intervention to highly dense areas with tall skyscrapers and intricate highway systems to suburban cul-de-sacs. The interrelated components that make up the built environment are as varied and unique as the professionals who help shape it.

INTRODUCTION TO CAREERS IN EDUCATION AND TRAINING* ♦

Introduction to Careers in Education and Training is a semester-long course that introduces students to the field of education and training, and the opportunities available for early-childhood through adult and continuing education. Students gain an understanding of the career options available in teaching, administrative work, and support services. They also explore the education and background experience needed to succeed in these careers. Students learn about the evolution of the modern educational system in the United States, and the policies and laws that govern educational institutions. They also discover the similarities and differences between the ethical and legal obligations of working with adults versus working with children.

INTRODUCTION TO CAREERS IN FINANCE* ♦

Introduction to Careers in Finance is a semester-long course that provides the fundamentals of the financial services industry in the United States and explores the jobs and career opportunities that the industry offers. Course units address a broad set of services in the industry including finance overview, financial services, securities analysis, investments, principles of corporate finance, banking services, risk management, and insurance.

INTRODUCTION TO CAREERS IN GOVERNMENT AND PUBLIC ADMINISTRATION* ♦

This semester-long course provides students with an overview of American politics and public administration, including how political institutions and public management systems at the local, state, and federal levels exercise supervisory authority and maintain accountability. Students explore the foundations of the U.S. government, the separation of powers, the federal civil service system, and the relationship between the government and state and local officials. Students learn about politics in the United States and the electoral process, political attitudes and opinions, and American political parties. Students explore the structure of U.S. federal governmental institutions, the nature of bureaucracy, and the functions of the three branches of government. Students also learn about policy making in American government, including discussions of foreign and defense policies.

INTRODUCTION TO CAREERS IN THE HEALTH SCIENCES*° ♦

This semester-long course is an overview of health careers and overriding principles central to all health professions. The course provides a foundation for further study in the field of health science. Upon completion of the course, students are able to discuss the potential career choices and have an understanding of basic concepts that apply to these different choices such as science and technology in human health, disease, privacy, ethics and safety. Essential skill development, such as communication and teamwork, are also addressed.

INTRODUCTION TO CAREERS IN TRANSPORTATION, DISTRIBUTION, AND LOGISTICS*° ♦

This semester-long course introduces students to the complicated world of commercial transportation. Students undertake an overview of the fields of transportation, distribution, and logistics, learning the differences between the fields and the primary services provided in each. Students learn how warehousing, inventory, and other associated businesses impact the economy, which includes the advantages and disadvantages of automation on employment. Students examine the fields that serve to support and manage transportation systems. Lastly, the role of technology and technological development on transportation- related businesses is addressed.

INTRODUCTION TO COMPUTER SCIENCE° ♦

This course is available as both an elective and a CTE course. Introduction to Computer Science is a year-long high school course that introduces students to the foundational concepts of computer science and challenges them to explore how computing and technology can impact the world. Students have creative, hands-on learning opportunities to create a computer program, a web page, design a mobile app, write algorithms, and collaborate with peers while building a strong foundational knowledge base. This course provides a solid foundation for more advanced study as well as practical skills they can use immediately.

Required Materials:

Activities in this course require Python or the Python Anywhere app (Chromebook), the Pythonista app (iPad), or similar (e.g., PyScript)

INTRODUCTION TO CONSUMER SERVICES* ♦

In this semester-long course, students analyze various career paths in terms of employment opportunities and educational requirements, such as hard and soft skills, certifications, and licensures for different pathways. Developing research, analytical, and presentations skills are key components. This course is designed as an overview to prepare students for a consumer services- related career and to introduce them to specialty areas. Emphasis is placed on the human services aspect (vs. corporate concerns) of consumer services. Social issues and advocacy, as well as ethics and legalities, are a recurring theme. Students gain knowledge of current issues affecting various consumer services professions, and the impact of local, state, national and global issues on consumer services.

INTRODUCTION TO HEALTH SCIENCE° ♦

This high school course introduces students to a variety of healthcare careers, as they develop the basic skills required in all health and medical sciences. In addition to learning the key elements of the U.S. healthcare system, students learn terminology, anatomy and physiology, pathologies, diagnostic and clinical procedures, therapeutic interventions, and the fundamentals of medical emergency care. Throughout the course, instructional activities emphasize safety, professionalism, accountability, and efficiency for workers within the health care field.

INTRODUCTION TO HUMAN GROWTH AND DEVELOPMENT* ♦

This semester-long course focuses on human growth and development over the lifespan, as well as careers that help people deal with various physical, intellectual, and socioemotional issues, such as physicians, nurses, nutritionists, substance abuse counselors, clergy, teachers, career counselors, psychologists, and psychiatrists. The course provides a background in human growth and development from before birth, through childhood, into adulthood, and through death and grief. It gives the student perspective and highlights where people in the caring professions are most needed. Students who take this course will come away with a broad understanding of all the careers that help people from birth to death.

INTRODUCTION TO HUMAN SERVICES*° ♦

This semester-long course introduces high school students to the possibilities for careers in the human services professions. Through anecdotes, lessons, and a variety of assignments and projects, students learn about the broad variety of jobs available in the human services. These begin with entry-level positions, such as associate social workers, that require a two-year Associate of Arts degree. Students also learn ethics and philosophies of the helping professions. The history of the profession, as well as the impact of the cultural, social, and economic environment on individual people, especially those who need social services assistance, is also explored.

INTRODUCTION TO INFORMATION TECHNOLOGY° ♦

This course introduces students to the essential technical and professional skills required in the field of Information technology (IT). Through hands-on projects and written assignments, students gain an understanding of the operation of computers, computer networks, Internet fundamentals, programming, and computer support. Students also learn about the social impact of technological change and the ethical issues related to technology. Throughout the course, instructional activities emphasize safety, professionalism, accountability, and efficiency for workers within the field of IT.

INTRODUCTION TO INFORMATION TECHNOLOGY SUPPORT AND SERVICES*° ♦

This semester-long course focuses on real-world application, including common industry best practices and specific vendors that offer tools for technicians, project managers, and IT leadership. Students learn how the IT department of an enterprise supports the overall mission of the company. Students apply their knowledge of hardware and software components associated with IT systems while exploring a variety of careers related to IT support and services. Students analyze technical support needs to perform customer service and configuration management activities. Students also evaluate application software packages and emerging software. Students demonstrate and apply knowledge of IT analysis and design by initiating a system project and evaluating applications within the IT system.

INTRODUCTION TO LAW, PUBLIC SAFETY, CORRECTIONS, AND SECURITY*° ♦

In this semester-long course, students learn about the many careers that exist within the fields of law, law enforcement, public safety, corrections, and security. In addition to learning about the training and educational requirements for these careers, students explore the history of these fields and how they developed to their current state. Students also learn how these careers are affected by and affect local, state, and federal laws. Finally, students examine the relationships between professionals in these fields and how collaborations between professionals in these careers help to create a safer, more stable society.

INTRODUCTION TO NETWORK SYSTEMS*° ♦

This semester-long course introduces students to the fundamental technology and concepts that make networking systems possible. The most important concept introduced is that of the OSI reference model and its bottom four layers, which are most directly concerned with networking instead of computing. The course explores the software and hardware supporting LANs, WANs, and Wi-Fi networks. Students are introduced to the protocols in the TCP/IP stack that are used to communicate across a network, and to networking hardware, including hubs, switches, bridges, routers, and transmission media. Students explore questions of security, network management, and network operating systems.

INTRODUCTION TO STEM*° ♦

This semester-long course introduces students to the four areas of Science, Technology, Engineering, and Mathematics through an interdisciplinary approach that will increase awareness, build knowledge, develop problem solving skills, and potentially awaken an interest in pursuing a career in STEM. Students are introduced to the history, fundamental principles, applications, processes, and concepts of STEM. Students are exposed to several computer applications used to analyze and present technical or scientific information. Finally, students explore the kinds of strategies frequently used to solve problems in these disciplines. Throughout the course, students discover their strengths through practical applications and awareness of the various STEM careers.

LAW & ORDER: INTRODUCTION TO LEGAL STUDIES*° ♦

Every society has laws that its citizens must follow. From traffic laws to regulations on how the government operates, laws help provide society with order and structure. Our lives are guided and regulated by our society's legal expectations. Consumer laws help protect us from faulty goods; criminal laws help to protect society from individuals who harm others; and family law handles the arrangements and issues that arise in areas like divorce and child custody. This course focuses on the creation and application of laws in various areas of society. By understanding the workings of our court system, as well as how laws are actually carried out, we become more informed and responsible citizens in our communities and of our nation.

LAW ENFORCEMENT FIELD SERVICES*° ♦

This semester-long course introduces students to the field of law enforcement and the local, county, state, and federal laws that law enforcement personnel are sworn to uphold. The students also gain an understanding of the career options available in this field and the skills, education, and background experience needed to succeed. Students learn about the evolution of the role of law enforcement in the United States including key changes affecting law enforcement. Students learn about the interaction between local, county, state, and federal law enforcement agencies. Finally, students learn about the types of crime that are commonly committed and the procedures, evidence collection techniques, and technological advances that law enforcement personnel use to investigate crimes.

LEGAL ADMIN SPECIALIST 1A* ♦

A rewarding career as a legal administrator means you are responsible for the day-to-day operations in a law firm, and therefore, need to learn the fundamentals of law. You'll need to understand the specifics of researching, creating, processing, filing legal documents, and more. Jumpstart your career in law by learning what it takes to be a legal admin.

LEGAL ADMIN SPECIALIST 1B* ♦

Wherever your legal admin career takes you, understanding the responsibilities of a law office requires strict attention to detail, communication skills, office competence, and legal savvy. What does a legal admin need to know and what duties do they perform? How do confidentiality, cybersecurity, and client relations look different in a legal office? Learn the answers to these questions and so much more for this exciting career with endless opportunities to prove your value, learn, and grow.

LEGAL SERVICES*° ♦

Legal Services is a high school semester-long course that provides students with an overview of the system of laws in the United States, the practice areas, and career options in the field. Students learn about how the legal system operates, the consequences to those who commit crimes, and how disputes are settled, as well as how criminal and civil cases reach court and are resolved. Students learn about the courtroom and the basics of a typical court case. Students explore constitutional rights and legal safeguards, types of evidence, as well as how technology has changed the practice of law. They also learn about legal education and various careers in the legal field.

MANAGEMENT 1A* ♦

Explore 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.

MANAGEMENT 1B* ♦

Explore the ins and outs of this career, the responsibilities businesses have towards customers, and hiring the right employees. Gain an understanding of human resources (HR) to ensure job satisfaction and take action to ensure that all rules and laws are being followed. Learn how to become an effective manager in any field.

MANUFACTURING 1A: INTRODUCTION*° ♦

Do you ever look at your man-made surroundings and find yourself fascinated at how it was created? Modern manufacturing is the answer. In this course, you will learn the big picture of manufacturing—categories, how companies decide what to produce and how to produce it, and making items in the most cost-effective way. You will also study the history of manufacturing technologies, so you can see the future possibilities for manufacturing more clearly as you start to do activities where you'll learn how your ideas can become a reality. Get ready to unveil how modern manufacturing creates the world we live in.

MANUFACTURING 1B ◊**

We live in a manufactured world. From the chair you're sitting on to each semiconductor in the screen you're looking at, most of the objects in your life came out of a factory. While the knowledge, materials, and skills needed to create these objects are distinct, there are many commonalities in the manufacturing process. Ideas need to be generated, resources need to be managed, and teams need to be led. This course will cover many of these commonalities, including managing resources, product development, operations, testing, teamwork, documentation, and much more. You'll learn both what is involved in the various areas of manufacturing and what a career in different fields would be like. Along the way, you'll do activities that enrich your knowledge and give you the opportunity to delve into the areas that interest you most.

MARKETING 2A* ◊

Without a solid understanding of business and international marketing strategy, it becomes nearly impossible to be successful and stand out from the crowd. Discover how business and marketing works around the world. You'll learn about topics such as regulations, market research, marketing plans, global trends, buying and selling internationally, and more.

MARKETING 2B* ◊

This course explores the secrets to sales: expectations, best practices, sales planning, building a clientele that becomes long-term buyers, and how to stay motivated to sell, sell, sell! If sales management is your goal, you'll learn about management styles, how to find, hire, train, motivate, and compensate your team.

MARKETING AND SALES FOR TOURISM AND HOSPITALITY* ◊

This semester-long course is designed as an introduction to the study of tourism and hospitality marketing and sales. Students are introduced to marketing theory and application of the basic principles of marketing as applied in hospitality and tourism. The relationship between marketing and other functions such as advertising, sales techniques, and public relations to maximize profits in a hospitality organization is addressed. Students have an opportunity to explore this multi-faceted world, identifying multiple career paths and opportunities.

MARKETING FOUNDATIONS 1A* ◊

Explore the fast-paced and exciting world of marketing! Learn about the role of marketing in business in addition to the basics of business management, customer service, and economics. Examine how to identify target markets, perform market research, and develop successful marketing strategies. Discover the legal and ethical considerations of business and marketing, along with the impact of government on business.

MARKETING FOUNDATIONS 1B* ◊

Become a marketing mix pro by studying understanding branding, advertising, promotion strategies, and more, through real-world applications and practices. And explore the secrets of advertising and promotion. Learn about effective sales techniques and discover employment opportunities to pursue a career in this exciting field!

MEDICAL ASSISTANT 1A ◊**

In this course, you will acquire medical terminology, investigate anatomy and physiology, learn keys to professionalism in an office setting, and explore office roles while building a professional portfolio.

MEDICAL ASSISTANT 1B ◊**

In this course, you'll explore patient care and procedures, testing and care coordination, pharmacology and safety, and reimbursement and the law. You'll also narrow your areas of interest so you can better determine what type of medical assisting may be best for you.

MEDICAL OFFICE ADMINISTRATION 1A* ◊

In this course, you will build your knowledge of medical terminology, medical office processes, the technology that keeps an office humming, and the laws that keep it operating ethically. You'll also explore different office roles all while building the beginnings of a portfolio.

MEDICAL OFFICE ADMINISTRATION 1B* ◊

In this course, you will complete a deeper dive about the variety of roles available in the medical office along with the skills needed to not only run the front of the office but to excel in the position as well. Finally, you'll focus on how to apply what you've learned to begin a career in medical office administration.

MEDICAL TERMINOLOGY* ◊

This full-year course introduces students to the structure of medical terms, plus medical abbreviations and acronyms. The course allows students to achieve comprehension of medical vocabulary appropriate to health care settings, medical procedures, pharmacology, human anatomy and physiology, and pathology. The knowledge and skills gained in this course provide students entering the health care field with a deeper understanding of the application of the language of health and medicine. Students are introduced to these skills through direct instruction, interactive tasks, practice assignments, and unit-level assessments.

MILITARY CAREERS: INTRODUCTION ◊**

You've probably seen an old movie about a hotshot naval aviator, or perhaps a more recent film about the daring actions of Special Forces operatives. But do you really know what careers the military can offer you? Introduction to Military Careers will provide the answers. The military is far more diverse and offers many more career opportunities and tracks than most people imagine. In Introduction to Military Careers, you'll learn not only about the four branches of the military (and the Coast Guard) but also about the types of jobs you might pursue in each branch. From aviation to medicine, law enforcement to dentistry, the military can be an outstanding place to pursue your dreams.

NATIONAL SECURITY ◊**

In this course, you will learn the critical elements of this very important career, such as evaluating satellite information, analyzing training procedures, assessing military engagement, and preparing intelligence reports. In addition, you will gain a better understanding of appropriate responses to security threats and how best to coordinate information with other agencies.

NETWORK SYSTEM DESIGN* ◊

Network System Design is a semester-long course that provides students with an understanding of computer networks and how they operate, as well as a basic understanding of how to manage and maintain computer networks. These skills provide students with the ability to design, configure, and troubleshoot networks of all sizes. Students learn the basics of network design, including how to identify network requirements and determine proper network architecture. Students are introduced to network models. Students also learn about internet protocol and the basics of routing data on a network. Students learn about network security issues and network management. Lastly, students learn about network operating systems and their role in connecting computers and facilitating communications.

NUTRITION AND WELLNESS* ◊

This course takes students through a comprehensive study of nutritional principles and guidelines. Students learn about worldwide views of nutrition, essential nutrient requirements, physiological processes, food labeling, weight management, healthy food choices, fitness, diet-related diseases and disorders, food handling, healthy cooking, nutrition for different populations, and more. Students gain important knowledge and skills to aid them in attaining and maintaining a healthy and nutritious lifestyle.

OFFICE ADMINISTRATION 1A* ◊

Explore what it means to have 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.

OFFICE ADMINISTRATION 1B* ♦

You will explore the responsibilities of an administrative professional to understand what a typical workday looks like and even what goes into searching for an administrative professional role: searching, applying, and (the most exciting part!) securing.

OPERATIONAL CYBERSECURITY 1A ♦**

In this course, you will assume your role as Chief Information Security Officer (CICO) responsible for a data network's design, maintenance, and end-user training. You will explore essentials of keeping networks safe and secure using cryptology, keys, and certificates before moving into the important practice of risk assessment. In the end, your attention will shift to mitigating and managing identified risks and working with key stakeholders to improve the organization's security posture and disaster response.

OPERATIONAL CYBERSECURITY 1B ♦**

In this course, you will dive into data security in the workplace and will learn ways to mitigate cyber threats that lurk in dark corners. You will step into the familiar shoes of CISO, this time at a startup company, making decisions about access and authentication protocols, security planning, and expanding the business in a safe way. Lastly, you will explore real-world security breaches, how they were solved, and step-by-step instructions to setup robust security policies.

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.

PERSONAL CARE SERVICES* ♦

Personal Care Services introduces high school students to a variety of careers in the following areas: cosmetology (including hairstyling and haircutting, esthetics, manicuring, makeup, and teaching) and barbering (including cutting and styling of hair and facial hair and manicuring for men); massage therapy, teaching body-mind disciplines (yoga, Pilates, and the martial arts), and fitness (general exercise classes and acting as a personal trainer); and mortuary science (embalming and funeral directing). The semester-long course teaches students about what each career entails and the education and training they need to become credentialed in various career specialties. In addition, about half of the course is devoted to teaching knowledge associated with the various professions, so that students can get a feel for what they should learn and whether they would like to learn it.

PERSONAL TRAINING CAREER PREP ♦**

This course examines the role and responsibilities of a personal trainer. Students will learn the steps to become a personal trainer, including performing fitness assessments, designing safe and effective workouts, and proper nutrition principles. Concepts of communication and motivation will be discussed, as well as exercise modifications and adaptations for special populations. Students will also examine certification requirements, business and marketing procedures, and concerns about liability and ethics. In addition, throughout the course students will be able to explore various exercises, equipment, and tools that can be used for successful personal training.

PERSONAL TRAINING CONCEPTS ♦**

This course examines basic concepts in fitness that are important for personal fitness, as well as necessary foundational information for any health or exercise career field. Areas of study include musculoskeletal anatomy and physiology, terms of movement, basic biomechanics, health-related components of fitness, FITT principles, functional fitness skills, safety and injury prevention, posture and technique, nutrition, and weight management. Additional Information: This course is a good preparatory course for students interested in or wishing to pursue a career in health, sports, or fitness. It provides fundamental information about health and fitness that would be necessary for any fitness career field. This elective course does NOT require students to participate in a regular exercise program. This course can be used, however, for students with physical limitations that need PE credit and are unable to participate in regular exercise.

PHYSICIANS, PHARMACISTS, DENTISTS, VETERINARIANS AND OTHER DOCTORS ♦**

Physicians, Pharmacists, Dentists, Veterinarians, and Other Doctors focuses on preparation for physician- level careers, including dental, veterinary and pharmaceutical, along with a look into the physician assistant and alternative medicine systems. This semester-long course also introduces the topics of diversity and the move toward social and cultural skills in medicine, in addition to academic ability. This course focuses on the preparation for entry to practice, along with navigating the field once you are in it (working as part of a team, dealing with patients, etc.). Students choose their career path by studying different roles, responsibilities, settings, education needs, and amounts of patient contact. Degree and training requirements, working environment, salaries, and the day in the life of that career is also covered in this course. Students explore important aspects that are applicable to the entire health field, such as behaving ethically, keeping patients safe and free from infections and germs, and following laws and policies.

PLANNING MEETINGS AND SPECIAL EVENTS* ♦

Planning Meetings and Special Events is a semester- long high school course designed as an introduction to the study of planning meetings and special events. Being a meetings and special events planner is both demanding and rewarding. According to The Bureau of Labor Statistics employment of meeting, convention, and event planners is projected to grow 7 percent from 2018 to 2028, faster than the average for all occupations. Job opportunities should be best for candidates with hospitality experience and a bachelor's degree in meeting and event management, hospitality, or tourism management. It's not all fun and parties because a meeting coordinator is responsible for every detail of an event. Planners must know how to communicate, be empathetic, and think of their clients. It's crucial to remember that in some instances the event will be a once-in-a-lifetime occasion, so it's important to get it right.

PLANT SYSTEMS ♦**

Plant Systems is a semester-length high school course that introduces students to the basics of plant biology, soil science, agriculture, and horticulture, along with the environmental management practices involved in each, including integrated pest management, biotechnology, growth techniques, and crop management. Students learn the basic parts of a plant, how plants are scientifically classified, and how they interact with water, air, nutrients, and light to undergo the processes of photosynthesis and respiration. Plant reproduction, including pollination, germination, and dispersal of seeds, is also presented. The course concludes by looking at careers in the plant sciences which includes agronomy, horticulture, or landscape design.

PRINCIPLES OF AGRICULTURE, FOOD, AND NATURAL RESOURCES ♦**

Did you know that the world's population could be as high as 11 billion people by the year 2050? And certainly, as our population is growing, so too are our food needs. Even today, millions of people around the world experience hunger. How can we balance growing populations and keeping everyone fed? This is where the importance of agriculture, food, and natural resources comes in! Through the study of Principles of Agriculture: Food and Natural Resources, you will gain a stronger sense of how food ends up on the plate and how we can maximize the foods and natural resources the earth provides. You'll learn more about agriculture's history, animal husbandry, plant science, and natural resources, and you'll be better prepared for your part in sustaining the world.

PRINCIPLES OF BUSINESS, MARKETING, AND FINANCE 1A* ♦

Discover the fundamental knowledge that will help you pursue a career in business, as well as always generating interest and buzz around the products and services offered. Explore different types of businesses and ownership forms, the impact of governments on business, and the marketing of goods and services. Learn about globalization, free trade, and various economic systems, as well as the impact of technology on business, business ethics, and social responsibility.

PRINCIPLES OF BUSINESS, MARKETING, AND FINANCE 1B* ♦

Take your knowledge of business basics, finance, and marketing to the next level. Learn how to create a marketing strategy that promotes and attracts customers in order to sell a product or service. Explore important basics of business finance, including accounting, budgeting, and investing. And learn what careers are available in business and the important employability skills you'll need to ace the interview and land the job!

PRINCIPLES OF PUBLIC SERVICE: TO SERVE AND PROTECT*° ♦

Have you ever wondered who decides where to put roads? Or makes sure that someone answers the phone when you call 911? Or determines that a new drug is safe for the public? These tasks and many more are part of public service, a field that focuses on building healthy societies. Public service includes many different types of careers, but they all have in common the goal of working for others. This course will explore some of the most common career paths in public service.

PROFESSIONAL SALES AND PROMOTION 1A* ♦

In this course, you'll learn about the bigger picture of the sales cycle. You'll examine the role of today's sales professional along with the skills and qualities needed for success, and you'll learn the ins and outs of the sales process and how it is driven by recognizing and responding to customer needs.

PROFESSIONAL SALES AND PROMOTION 1B* ♦

In this course, you'll explore the power of promotion and how to rise to the ranks of an elite sales and promotions rep. You'll dive into what it takes to be a stellar seller, how salespeople work together in teams to meet goals, and how the savviest sales managers employ proven sales methods mixed with technology, tools, and psychological insights to build and operate an efficient sales team.

PUBLIC HEALTH: DISCOVERING THE BIG PICTURE IN HEALTH CARE*° ♦

This semester-long high school course discusses the multiple definitions of public health and the ways these definitions are put into practice. The five core disciplines and ways they interact to reduce disease, injury and death in populations is explored. By understanding the roles of public health, students gain a greater appreciation for its importance and the various occupations one could pursue within the field of public health. Students explore the history, nature and context of the public health system. Students also learn how to promote public health, and how to coordinate a response to a public health emergency. Students explore how diseases spread and learn about the roles of the Centers for Disease Control and the World Health Organization. By entering the field of public health, students play an integral part in improving the health and lives of many people.

REAL WORLD PARENTING* ♦

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

RENEWABLE TECHNOLOGIES 1A* AND 1B* ♦

Interested in transforming energy? With concerns about climate change and growing populations' effects on traditional energy supplies, scientists, governments, and societies are increasingly turning to renewable and innovative energy sources. In the Introduction to Renewable Technologies course, you'll learn all about the cutting-edge field of renewable energy and the exciting new technologies that are making it possible. You'll explore new ways of generating energy and storing that energy, from biofuels to high-capacity batteries and smart electrical grids. You'll also learn more about the environmental and social effects of renewable technologies and examine how people's energy decisions impact policies.

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.

SCIENCE AND MATHEMATICS IN THE REAL WORLD* ♦

Science and Mathematics in the Real World is a semester-long high school course where students focus on how to apply scientific and mathematical concepts to the development of plans, processes, and projects that address real world problems, including sustainability and "green" technologies. This course also highlights how science, mathematics, and the applications of STEM will be impacted due to the development of a greener economy. This course exposes students to a wide variety of STEM applications and to real world problems from the natural sciences, technology fields, the world of sports, and emphasizes the diversity of STEM career paths. The importance of math, critical thinking, and mastering scientific and technological skill sets is highlighted throughout. Challenging and enjoyable activities provide multiple opportunities to develop critical thinking skills and the application of the scientific method, and to work on real world problems using STEM approaches.

SCIENTIFIC DISCOVERY AND DEVELOPMENT* ♦

Scientific Discovery and Development is a semester-long high school course that explores the history of clinical laboratory science, learning how clinical laboratories evolved and became professionalized, and how scientific discoveries and breakthroughs fueled the development of the laboratory while the sub-disciplines in biology were advancing. Students learn about the circulatory system and about microbiology and the subfields within it. Cells and tissues, cell division and basic genetics is also addressed. This course covers the three major areas in bioresearch: biotechnology, nanotechnology, and pharmaceutical research and development. More than two dozen career fields are explored along the way including laboratory techs, phlebotomists, and pathologist assistants. Students learn what is necessary in the areas of education and credentialing with an idea of the job outlook and salaries.

SCIENTIFIC RESEARCH* ♦

This semester-long high school course provides support, accessible ideas, and specific language that guide students through most of the steps, insights, and experiences eventually faced if continued through higher education toward a graduate degree. Knowing the practical, everyday basics of scientific thinking and laboratory activity serves as a necessary first step to a career as a technician or a lab assistant. While these jobs are hands-on and technical, the intellectual and historical background covered in the course provides an awareness that is essential to working in such an atmosphere.

SECURITY AND PROTECTIVE SERVICES*° ♦

Security and Protective Services is a semester-long high school course that offers an overview of the security and protective services industry. Students will understand different types of security services and how they relate to one another. The distinction between the criminal justice system within the public sector and private security is addressed. The course begins with an introduction to the history of private security, with subsequent units focusing on a specific sector. The concluding unit focuses on the emerging challenges facing security services in the twenty-first century, including international terrorism. In addition, the course provides information about many different careers that are available to students who are interested in security and protective services.

SMALL BUSINESS ENTREPRENEURSHIP ♦

This full-year course is designed to provide the skills needed to effectively organize, develop, create, manage and own a business, while exposing students to the challenges, problems, and issues faced by entrepreneurs. Throughout this course, students explore what kinds of opportunities exist for small business entrepreneurs and become aware of the necessary skills for running a business. Students become familiar with the traits and characteristics that are found in successful entrepreneurs, and see how research, planning, operations, and regulations can affect small businesses. Students also learn how to develop plans for having effective business management, financing and marketing strategies.

SOCIAL MEDIA: OUR CONNECTED WORLD*° ♦

Have an Instagram account? What about X? 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 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 such as Facebook, X, Pinterest, 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. Students will need a social media account to complete this course; please consider state guidelines regarding age restrictions when enrolling students.

SOFTWARE DEVELOPMENT TOOLS ♦**

This semester-long course introduces students to the variety of careers related to programming and software development. Students gather and analyze customer software needs and requirements, learn core principles of programming, develop software specifications, and use appropriate reference tools to evaluate new and emerging software. Students apply IT-based strategies and develop a project plan to solve specific problems and define and analyze system and software requirements.

SPORTS & ENTERTAINMENT MARKETING 1A: INTRODUCTION* ♦

The bright lights. The roaring crowds. The chants and cheers and applause. If you are drawn to the electricity of large events and the challenge of making events successful, a career in sports and entertainment marketing may be for you! In this course, you will trace the development of these industries, dissect their dual nature, and discover what it takes to pitch, promote, and deliver on these services. You'll also explore the necessary steps to chart your own career path from among the professional roles that these industries need to operate. Let's get off the sidelines and hop into the primetime of the sporting and entertainment worlds!

SPORTS & ENTERTAINMENT MARKETING 1B: PROMOTING THE MAIN EVENT* ♦

Get ready to drop your spectator status for an all-access pass to enter the exciting world of sports and entertainment marketing! In this course, you'll secure a solid foundation of effective marketing by studying the different roles and levels and how they relate to one another. Then, you'll explore the modern marketing methods professionals use to take an event concept and make it successful. Finally, you'll get up to speed on industry terminology and touchpoints with the help of HR. Get ready to flash that pass and gain all-star access to the stage and arena!

SPORTS MEDICINE 1A: INTRODUCTION ♦**

What do you think of when you hear the phrase "sports medicine professional"? Believe it or not, the term encompasses a much larger range of career options than jobs typically associated with this field. Explore some of the most popular career pathways, day-to-day responsibilities, emergency care for athletes, and legal obligations. Discover what nutrition, healthy lifestyle, and fitness truly mean, and dive into anatomy, human biomechanics, and exercise modalities. Learn how to get started in this exciting field.

SPORTS MEDICINE 1B: INJURY PREVENTION ♦**

You've warmed up those muscles and stretched your understanding of basic human biomechanics, but now it's time to power forward your learning even further! In Sports Medicine 1b: Injury Prevention, you'll expand your understanding of the human body to provide a greater context for injury in a variety of scenarios. You'll learn how to evaluate an injury, onsite tests to perform, and when to refer a patient to a medical professional. You'll also explore the anatomy of specific body areas to better understand injuries that may occur as well as ways to prevent injury. Are you ready to keep athletes functioning at peak levels? Grab your sports tape and let's hit the field of sports medicine!

SPORTS MEDICINE 2A: WORKING WITH CLIENTS ♦**

You've learned the basics about how the body works and how to attend to athletes' injuries, but now, it's time to get personal! Time to personalize and plan for clients, that is! In this course, you will learn to develop dietary and exercise regimes for clients based on their needs and goals. You'll even have an opportunity to turn plans into action by designing workouts for your own example gym.

SPORTS MEDICINE 2B: PERSONALIZING YOUR PRACTICE ♦**

"Five, four, three, two, one—rest." You've learned what it looks like to work one-on-one with clients as a sports medicine professional, and now it's time to focus on the group. In this course, you will be introduced to teaching group exercise classes and providing rehabilitation services to clients facing injury and disease. You will also learn about laws that govern the work of sports medicine professionals, business concerns like insurance and staffing, and what you need to consider if you start your own fitness facility.

SPORTS OFFICIATING* ♦

In this course, students will learn the rules, game play, and guidelines for a variety of sports, including soccer, baseball, softball, basketball, volleyball, and football. In addition, they will learn the officiating calls and hand signals for each sport, as well as the role a sport official plays in maintaining fair play.

STEM AND PROBLEM SOLVING ♦**

This semester-long high school course outlines how to apply the concepts and principles of scientific inquiry, encouraging the use of problem-solving and critical-thinking skills to produce viable solutions to problems. Students learn the scientific method, how to use analytical tools and techniques, how to construct tests and evaluate data, and how to review and understand statistical information. This problem-solving course stresses analytic skills to properly format problem statements, use of the scientific method to investigate problems, the use of quantitative and qualitative approaches to construct tests, and an introduction to reviewing and interpreting statistical information.

SUSTAINABLE SERVICE MANAGEMENT FOR HOSPITALITY AND TOURISM* ♦

This comprehensive semester-long course covers the principles and practices of sustainable service management. The purpose of this course is to provide students with an understanding of socially, environmentally, and financially sustainable hospitality management. The course provides a sustainable approach to service management, incorporating the role of the customer, employee, leaders, and the environment. After successful completion of this course, students understand and are able to explain the fundamentals of sustainability in the hospitality industry.

TEACHING AND TRAINING CAREERS* ♦

Teaching and Training Careers is a semester-long high school course that introduces students to the art and science of teaching. It provides a thorough exploration of pedagogy, curriculum, standards and practices, and the psychological factors shown by research to affect learners. In five units of study, lessons, and projects, students engage with the material through in-depth exploration and hands-on learning, to prepare them for teaching and training careers. Students are given many opportunities to be the teacher or trainer, and to explore the tasks, requirements, teaching strategies, and research-based methods that are effective and high-quality.

TECHNOLOGY AND BUSINESS (FULL YEAR) ♦

This year-long course teaches students technical skills, effective communication skills, and productive work habits needed to make a successful transition into the workplace or postsecondary education. In this course, students gain an understanding of emerging technologies, operating systems, and computer networks. In addition, they create a variety of business documents, including complex word-processing documents, spreadsheets with charts and graphs, database files, and electronic presentations.

TRANSPORTATION AND TOURS FOR THE TRAVELER* ♦

Transportation and Tours for the Traveler is a semester-long course where students learn about today's package tour industry, travel industry professionals, and package tour customers. Students find out who tour operators must work with to create travel products and what kinds of decisions they must make in terms of meals, lodging, attractions, and, of course, transportation. Finally, students learn about how technology, world events, and increased environmental awareness are affecting the travel industry today. Students focus on the different components that go into creating a tour to get a sense of what working for a tour operator entails as well as what other careers are available in the tour industry.

VETERINARY SCIENCE: THE CARE OF ANIMALS ♦**

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 sometimes humans as well! Through veterinary medicine and science, the prevention and treatment of diseases and health issues is studied and applied.

WEB DEVELOPMENT 2A ♦**

You'll hit the ground running with the Agile methodology of software development and how it plays into leadership and teamwork amongst developers. You'll also approach web development from the user's perspective, and you'll learn to speak the language of JavaScript to enhance your web development efforts. Your efforts will commence in a professional portfolio that will allow you to experience GitHub to display your work.

WEB DEVELOPMENT 2B*° ◇

In this course, you'll explore topics and hone skills to help you perfect your portfolio so it's ready to share with future employers. You'll discover common coding errors and security threats, website accessibility and reliability, and become more fluent and efficient in JavaScript. You'll also learn how to make on-the-job choices and adjustments and refine communication with your clients. In the end, you'll turn your website into a presentation to share with friends and family so you can showcase your achievements.

WEB DEVELOPMENT IN THE 21ST CENTURY*

This introductory course explores the history and evolution of applications, tracing their development from early computer programs and the rise of the Internet to today's world of mobile and web-enabled apps. Students begin with a historical overview of the Internet and World Wide Web before gaining hands-on experience creating a personal web presence with WordPress and other tools. Along the way, the course examines how apps have transformed communication, networking, and global culture, while also highlighting the expanding range of career opportunities in the app industry—from programming and design to marketing, project management, and beyond. The course concludes with students designing their own app concept for a smartphone or tablet, equipping them with both historical context and practical skills for understanding and participating in the fast-changing world of web development.