



# CVCS VIRTUAL EDUCATION COURSE CATALOG

## ***Bible Courses:***

**CVCS Aligned Course- Dynamic Christian Living:** This one-year, 35-lesson study presents the tools needed to build spiritual maturity. In these lessons, students will find an introduction to Christian doctrine, including basic approaches to salvation, prayer, and Bible study. Students can learn to live out their love for God and share Him with others. 36 weeks | suggested grade level: 7-12

**CVCS Aligned Course- Building Life Castles (4<sup>th</sup> Grade Bible):** All believers stand as monuments to God's grace. As we build our lives on His love and truth, we will honor Him. No matter the hardships of our time, no matter how we crumble and fall, we can turn to Him and rest in His strength. He is our stronghold.

This study introduces students to essential doctrines and themes from the New Testament: 36 weeks | suggested grade level: 4<sup>th</sup> grade

**CVCS Aligned Course- The Christian Adventure:** Read and studied by Christians around the world, The Pilgrim's Progress has now been made into an intriguing and practical study for high school. Your students will learn alongside of Christian as he discovers the value of God's Word through his fateful journey. This allegory creatively expresses the joys and struggles of the Christian experience, while also illustrating and explaining doctrines such as sin and hell, salvation and grace, and inspiration and the authority of God's Word. Christian, its main character, faces battles with law and grace, worldliness, and Satan; temptations from lust and greed; and assaults by fear, shame, teasing, frustration, the fear of the unknown, despair, and loneliness. 36 weeks | suggested grade level: 7-12

**CVCS Aligned Course- Possessing the Land:** This course will walk students through various Bible stories and helps them apply them to their daily lives. Just as God wanted His people to possess the land of Canaan, so He desires His children to live in a spiritual realm of promise and victory today. Through this study, your students will gain an understanding of the patterns and themes of God's work through the Old Testament. 36 weeks | suggested grade level: 5

**CVCS Aligned Course- Proverbs:** This study will help students use the book of Proverbs to apply to their lives and walk with Christ. This study leads students through the Proverbs encouraging them to walk in the "bright ways of God." Rather than being a verse-by-verse study, these lessons approach the study of Proverbs topically in two major divisions: wisdom defined, and wisdom applied to daily living. 36 weeks | grade level: 7-12

**CVCS Aligned Course- Wise Up!:** In school, young people face more and more decisions on their own. Soon they find that their new freedoms are followed by greater responsibility and higher expectations. This study encourages students to study the wisdom of God in Proverbs, allowing Him to shape their lives into the image

of His Son, Jesus Christ. God's Word, not facts, changes lives. The Spirit-driven application of God's truth transforms people to live like Jesus. The Book of Proverbs provides both significant theological and practical instructions to help believers reflect God's character. 36 weeks | suggested grade level: 6-12

**CVCS Aligned Course- In Their Sandals:** This study challenges you to look deep into the Bible, to read it, to meditate on it, to experience it like the characters you see, as if you were *In Their Sandals*. You'll tackle creative writing exercises that ask you to think hard about Scripture. You'll learn writing disciplines that help you communicate truth clearly and concisely. And as you abide in the Word, you'll discover how God reveals Himself through it all. 36 weeks | suggested grade level: 7-12

**CVCS Aligned Course- Behold Your God:** This study has one purpose—to encourage your students to know their God. By presenting the Bible as God's self-revelation, this study magnifies the character and work of the Father, the Son, and the Holy Spirit. As students know and love their incomprehensible God, they'll discover a grace they can reflect to others. 36 weeks | suggested grade level: 7-12

### ***Elementary Courses:***

**New! Science 2:** Students will build upon their learning from the previous science course. This course will focus on plants and animals in their habitats. Students will also explore the seasons and the solar system and be able to explain how day and night occur. They will also learn about Earth's natural resources. Toward the end of this course, students will take a closer look at how matter changes and can be changed. course: 36 weeks | suggested grade level: 2

**New! 2<sup>nd</sup> Grade Social Studies:** Students will take a closer look at how we all live together in a community and in the world. The course will also explain the impact people from long ago have had on society today and discuss the formation of the government and its purpose. Students will also continue to develop their map and globe skills during this course. course: 36 weeks | suggested grade level: 2

**New! 2<sup>nd</sup> Grade Language Arts:** This course is divided into five sections: phonics, grammar, reading, writing and spelling. Each aspect explores and expands upon students' prior knowledge of the area. By the end of this course, students will be able to use complex sentences in short stories they write. They will also be able to read larger words and sound out the words that they do not know. Each week, students will practice and master the spelling of longer words. course: 36 weeks | suggested grade level: 2

**New! Math 2:** Students will begin by adding and subtracting larger numbers and measuring longer items. They will also collect data and represent their findings in various graphs and charts. Their basic understanding of money will be expanded, and they will learn how to add and subtract money. Students will also be able to skip count by 5s, 10s and 100s and solve simple word problems. By the end of the course, students will be able to recognize and draw shapes as well as divide the shape into several parts. course: 36 weeks | suggested grade level:2

**CVCS Aligned Science 3-** Show your child the hand of God in His Creation of man and man's environment through Exploring God's World, presented in the order of the days of creation. Study the senses of the human body, the process of photosynthesis, the classifications of animals, the characteristics of different climates and more. Teach the scientific method using hands-on experiments to help prepare your child for higher-level science courses. 36 weeks | suggested grade level:3

**CVCS Aligned Math 03-** One of the most effective ways to learn mathematics is to do mathematics. Provide your 3rd grader plenty of daily Math exercises found in our Arithmetic 3 book. This year is all about the mastery of multiplication and division that your child will get through story problems, measurement conversions, fractions, and more. With new materials boxed on top of the page and problems given directly below, your child can easily look back at the study notes as he works through his problems. Brain boosters are also included four times a week to challenge students to apply the concepts learned. 36 weeks | suggested grade level:3

**4th Grade Reading and Spelling:** At this level, students continue to build knowledge of letters and sounds, syllables and word formation to increase their knowledge of reading and spelling words with multiple syllables. This course is designed to help students learn to read and spell more easily and accurately and to increase reading comprehension. Students in this course read both fiction and nonfiction materials. 36 weeks | suggested grade level:4

**4th Grade Writing and Grammar:** In this course, students continue to develop their writing and grammar skills by practicing the skills necessary to write essays, stories, plays and fiction. Students begin to use literary devices in their writing and continue to develop good grammar skills. This course urges students to focus on clarity of topic, task and audience of their writing by developing more complex sentences. 36 weeks | suggested grade level:4

**CVCS Aligned Course- 4th Grade Math:** Help your child excel in arithmetic with the colorful, daily work-text *Arithmetic 4*. Practice multiplying and dividing 2-digit numbers, estimating, and writing decimals as fractions. Your child will solidify his understanding of square measures, simple geometry, proper and improper fractions. Daily word problems, supplemental problems, and a handbook for terms and definitions in the back of the book provide ample opportunity for application and review. 36 weeks | suggested grade level:4

**4th Grade Social Studies:** The scope of learning for this class covers topics at the state, national and international levels. Through this course, students will be able to differentiate common characteristics of social, political, cultural and economic groups that are critical to our history. Students will also locate and analyze historical documents and artifacts to distinguish conflict and cooperation among different cultures and groups that have impacted the development of our nation and world. This course will also enhance the student's ability to use common geographic tools to interpret information on people, places and regions, as well as identify key principles and ideas within our governmental system. 36 weeks | suggested grade level:4

**4th Art:** In this 18-week art course, students will explore 6 units of art study, which include: Line, Shape, Pattern, Rhythm, Movement, Color and Value; Form, Texture and Emphasis; Space, Proportion and Distortion; Balance and Harmony; Variety; and Emphasis and Unity. 18 weeks | suggested grade level:4

**4th Health & Wellness:** In this 36-week course, students will learn about health and wellness. Students will complete 5 units of study, which include: Mental, Emotional, Family and Social Health; Growth and Nutrition; Personal Health and Safety; Drugs and Disease Prevention; and Community and Environmental Health. Topics will include: A Plan for Good Health, How Families Change, Body Systems, Nutrients, Good Grooming, Being Safe Outdoors, Tobacco and Health, Setting Healthy Goals and Making Responsible Decisions. Finally, the course includes an activity log with an expectation of 60 minutes of documented physical activity per five days of school. 18 weeks | suggested grade level:4

**4th Music:** In this 18-week music course, students will begin to explore the keyboard and musical notes. They will have the chance to play an interactive keyboard to experience the sounds of the notes first hand. They will also learn about the different notes on a staff and how to use rests when composing music. This course also provides a brief overview of several composers such as Bach, Haydn and Mozart. 18 weeks | suggested grade level:4

**4th Science:** At this level, students are exposed to a wide array of scientific topics and concepts. The year begins with a unit on life science and encompasses learning about cells, ecosystems, plants, animals and life processes. The next unit of study is entitled Earth Science: Earth and Beyond and includes learning about Earth's history, the sun, moon, planets, water and the weather. The final unit of study focuses on physical science and includes learning about the properties and changes of matter. 36 weeks | suggested grade level:4

**5th Grade Reading and Spelling:** In this course, students build upon the reading comprehension and spelling skill sets they have studied at previous grade levels to read and comprehend both fiction and nonfiction texts

independently by utilizing strategies such as re-telling, summarizing, note-taking, connecting to prior knowledge and extending ideas. 36 weeks | suggested grade level:5

**5th Grade Writing and Grammar:** At this level, students will write poems, stories and plays using literary elements and devices while maintaining a sharp, clear focus on the topics presented. Students begin to develop skills that help them to create a clearly-stated position or opinion in their writing that includes supporting details and cited sources. course: 36 weeks | suggested grade level:5

**CVCS Aligned Course- Arithmetic 5:** Students start by adding, subtracting, multiplying, and dividing whole numbers. Next, they learn measurements, fractions and basic graphing skills, the course also touches on some basic pre-algebra concepts. 36 weeks | suggested grade level:5

**NEW Curriculum- CVCS Aligned Course- Science 5:** *Science 5* explores God's creation in a study of minerals and rocks, fossils, matter and heat, sound and light, weather, ecosystems, and the respiratory and circulatory systems. Students develop science process skills by participating in hands-on activities and projects. The Science 5 student text provides fascinating scientific information through understandable text, charts, diagrams, and colorful photographs and illustrations. The student text also contains detailed instructions for all experiments, activities, and projects. 36 weeks | suggested grade level:5

**5th Grade Social Studies:** In this course, students will differentiate how continuity and change in U.S. history, world history and state history interact and are enacted. Finally, this course will enhance the students' familiarity with geography and the interactions between people, environment and regions. 36 weeks | suggested grade level:5

**5th Grade Art:** In this 18-week art course, students will explore 6 units of study, which include: Line, Shape and Value; Space, Shape and Form; Color and Pattern; Proportion and Distortion; Texture, Rhythm, Movement and Balance; and Harmony, Variety, Emphasis and Unity. 18 weeks | suggested grade level:5

**5th Grade Health & Wellness:** In this 36-week course, students will expand upon their earlier studies related to health and wellness. Topics of study include: Mental, Emotional, Family and Social Health; Growth and Nutrition. Signs of Illness and Careers in Health and Fitness. Healthy lifestyle choices are explored and encouraged. Finally, the course includes an activity log with an expectation of 60 minutes of documented physical activity per five days of school. 36 weeks | suggested grade level:5

**5th Grade Music:** In this 18-week course, students will expand upon the basic knowledge from the 4th grade course. They will study composers such as Brahms, Chopin and Tchaikovsky. They will also begin to compose more complex music, incorporating a grand staff, various notes and rests. Finally, students will begin to understand different musical scales and intervals. 18 weeks | suggested grade level:5

## ***Language Arts:***

**6th Grade Language Arts:** At this level, students explore the genres of poetry, fiction and nonfiction. They gain a better understanding of basic grammar, including: punctuation, parts of a sentence and more. They also learn how to compose narrative, persuasive and informative essays. 36 weeks | suggested grade level:6

**7th Grade Language Arts:** In 7th grade, students build upon their existing reading skills and focus on increasing their metacognitive abilities through careful analysis. They further explore poetry, fiction and nonfiction and begin to learn about a fourth type of writing — drama. They increase their grammar skills by combining sentences and mastering other writing techniques. 36 weeks | suggested grade level:7

**8th Grade Language Arts:** Fables, speeches and nonfiction (namely, *The Diary of Anne Frank*) are at the heart of this language arts course. Topics of exploration include characterization, point of view, rhythm and other writing

techniques. Students further hone their grammar skills with an emphasis on improving and strengthening sentences and writing in a variety of styles for different purposes. 36 weeks | suggested grade level:8

**9th Grade Language Arts:** In this entry-level high school course, students explore fiction and nonfiction writing techniques such as foreshadowing and theme. They read classic literature and authors and become acquainted with Shakespeare's *Romeo and Juliet*, excerpts from Maya Angelou's *I Know Why the Caged Bird Sings* and various poems by Robert Frost. 36 weeks | suggested grade level:9

**10th Grade Language Arts:** The focus in 10th Grade Language Arts is on multicultural literature. Students read classic dramas such as Shakespeare's *Julius Caesar* and Sophocles' *Antigone* while also coming to appreciate Japanese tankas and Mark Twain's wit. Students study literary techniques, including: plot structure, symbolism and more. 36 weeks | suggested grade level:10

**CVCS Aligned- 11th Grade Language Arts:** This course will be directly aligned with the on-campus course, taught from a Biblical perspective to further students understanding of writing and reading: 36 weeks | suggested grade level:11

**CVCS Aligned- 12th Grade Language Arts:** This course will be directly aligned with the on-campus course, taught from a Biblical perspective to further students understanding of writing and reading: 36 weeks | suggested grade level:12

## ***Mathematics:***

**CVCS Aligned Course- Arithmetic 6:** This course contains a variety of exercises involving new and review material in each lesson. This program consists of 169 lessons, supplementary exercises, and homework exercises. Students will learn the following concepts; whole numbers, fractions, measures, factoring, percent, graphs, geometry, and practical arithmetic. 36 weeks | suggested grade level:6

**CVCS Aligned Course- Arithmetic 7:** This course focuses on different mathematical operations, particularly with fractions and decimals. We look at the fundamental components of functions and their graphs and eventually work our way up to linear equations. Overall, students will learn new ways to put the knowledge of mathematics to work in more practical ways. 36 weeks | suggested grade level:7

**CVCS Aligned Course- Pre-Algebra:** This course is the first formal introduction to the concepts and language of algebra. Built on Saxon 7 math series this course introduces both algebraic concepts as well as geometric concepts. Subject matter includes; basic equations, perimeters, area, surface, word problems and so forth. 36 weeks | suggested grade level:8

**CVCS Aligned- Algebra I:** At this level, students study the existence of patterns within mathematical models and display them graphically. They examine varying rates of change and the impact of a changing variable on an algebraic expression. These skills will be used to perform various mathematical operations on polynomial expressions. course: 36 weeks | suggested grade level: 9

**CVCS Aligned- Geometry:** In this geometry course, students learn about associations between geometry, algebra and measurement. Students are encouraged to analyze 2- and 3-dimensional geometric shapes and understand relationships between shapes. They utilize the coordinate plane to demonstrate relationships between points. course: 36 weeks | suggested grade level: 10

**CVCS Aligned- Algebra II:** As a continuation of skills learned in Algebra I, students now focus on evaluating and solving algebraic, quadratic, exponential and logarithmic expressions. These concepts will be integrated into mathematical and geometric models involving series and sequences. Students study these models through a combination of systems of equations and graphing. course: 36 weeks | suggested grade level: 11

**Trigonometry:** This course in trigonometry helps students gain an understanding of exponential, logarithmic and trigonometric functions. Students are exposed to symbols, terminology and rules of trigonometry. They learn how

to identify, describe, analyze and evaluate polynomial forms of these functions. course: 36 weeks | suggested grade level: 12

**CVCS Aligned- Pre-Calculus:** In this course, students will be exposed to a wide array of mathematical concepts. Topics will include: Fundamentals of Calculus, Equations and Inequalities, Functions, Polynomial and Rational Functions, Applications to Optimization, Trigonometric Functions and Conic Sections. Throughout this course, students will be exposed to these topics and have an opportunity to explore additional topics in algebra. course: 36 weeks | suggested grade level: High School

**New and Improved! CVCS Aligned Calculus:** In this advanced math class, students focus intensively on plane analytic geometry and solid analytic geometry. This concept is then integrated with differential and integral calculus. In addition to the mechanics of differential and integral calculus, the mean value theorem, the fundamental theorems of differential and integral calculus and ordinary and uniform continuity are emphasized. Limit theory and application of differential calculus are also studied. course: 36 weeks | suggested grade level: High School

### ***Science:***

**CVCS Aligned- Science 6:** *Science 6* reveals the incredible intricacies of cells and organisms, matter and energy, astronomy, heredity, the nervous system, and the immune system. This elementary science educational materials includes exciting, but manageable science experiments and science projects. 36 weeks | suggested grade level: 6

**CVCS Aligned- Life Science:** As part of this course in life science, students study living organisms, the structure and function of the cell, heredity, evolution, viruses, bacteria, plants, animals and how living things interact in the environment, taught from a Biblical worldview. course: 36 weeks | suggested grade level: 7

**CVCS Aligned- Earth Science:** In their study of Earth Science, students learn about Earth's materials and the changes to its surface and interior, along with the forces that cause those changes. Other topics covered include weather, the ocean and the study of our solar system, galaxies and the universe taught from a Biblical worldview. course: 36 weeks | suggested grade level: 8

**CVCS Aligned- Biology:** This biology course includes topics of study such as cell structure and function, photosynthesis, cellular respiration, mitosis and meiosis, genetics and heredity. Students will be able to apply the theory of cell biology to all living organisms, taught from a Biblical worldview. course: 36 weeks | suggested grade level: 9

**New and Improved! CVCS Aligned- Chemistry:** In this class, students are introduced to principles of chemistry and their applications. The course explores general chemistry topics and problem-solving skills. Topics covered include: matter and change, measurement, the periodic table, chemical bonding and reactions, stoichiometry and reaction kinetics. Course taught from a Biblical worldview: 36 weeks | suggested grade level: 10

**CVCS Aligned- Physics:** Students study algebra-based concepts in this course that emphasize kinematics in one and two dimensions, forces and Newton's Laws of Motion, work and energy, circular motion, momentum and collisions, vibration and waves and electrical energy. They further develop problem-solving skills that can be applied across the sciences, taught from a Biblical worldview. course: 36 weeks | suggested grade level: 11

**CVCS Aligned- Environmental Science:** Through this environmental science course, students extensively explore biological and ecological topics, including: ecosystems, human populations, biodiversity, renewable and non-renewable resources and waste. They learn how humans impact the environment and about the economics and policies related to environmental issues, taught from a Biblical worldview. course: 36 weeks | suggested grade level: 12

### ***Social Studies:***

**Middle School World History:** Middle school students begin their study of world history by exploring human history from ancient civilizations to the modern world. They examine the major themes of world history

(geography, economics, government, citizenship, culture, global relations, science and technology and constitutional heritage). The text is supported by primary sources, maps and online resources. course: 36 weeks | suggested grade level: 6

**NEW! CVCS Aligned- World Geography:** This course presents a physical-cultural study of the earth and mankind in one semester with *World Geography in Christian Perspective*. This textbook travels all over the globe with over 250 photographs to exhibit many different cultures and geographical features. Each chapter displays continents and their features such as vegetation and wildlife, national flags and profiles, cultural insights, famous locations, and famous people that have lived on that continent. Section and chapter reviews plus over 30 detailed maps within the text give your child a plethora of information to develop a firm grasp of geography and cultures. course: 36 weeks | suggested grade level: 7

**New! History 8: America: Land I Love** presents a chronological account of American history with a factual emphasis on the people and events that shaped the United States. Incorporated throughout are thought-provoking questions to develop critical thinking skills and a biblical worldview regarding the significance of individuals and events in the nation's history. This text highlights America's heritage of faith and her patriotic pursuit of freedom as foundational values in the history of the United States of America. 36 weeks | suggested grade level: 8

**High School U.S. History I:** This high school level course gives students an overview of American history from pre-colonization to the turn of the twentieth century. They journey through various themes of American history, including culture and traditions, geography, government and democracy, and civic rights and responsibilities as they grow to understand what it means to be an American today. course: 36 weeks | suggested grade level: 9

**Civics:** In this class, students take an engaging, current and relevant look at the foundations of American government, citizenship and the American economic and legal systems. A wide variety of instructional tools are used to motivate students to participate, make decisions and take action both in and out of the classroom. course: 36 weeks | suggested grade level: 9

**CVCS Aligned- Modern World History:** This course is aligned directly with our on-campus course, it begins with the Renaissance and works its way up until the present. 36 weeks | suggested grade level: 10

**CVCS Aligned- Understanding the Times:** This course is aligned directly with our on-campus course. This class deals with current events and issues that students will face in our world today, and how they should deal with those issues. 36 weeks | suggested grade level: 11

**CVCS Aligned-Economics:** The study of how people and nations make decisions about their money and their economy. This course will help students learn some of the basic ideas, terms and concepts in regards to economics. 36 weeks | suggested grade level: 12

**CVCS Aligned-American Government:** This course is aligned directly with our on-campus course and deals with multiple aspects of our American government, as students learn the inner workings of our government along with learning about key events and people that pertain to our government. 36 weeks | suggested grade level: 9

## **AP Courses:**

**NEW! AP Computer Science A AP:** The AP Computer Science A course introduces students to computer science with fundamental topics that include problem solving, design strategies and methodologies, organization of data (data structures), approaches to processing data (algorithms), analysis of potential solutions, and the ethical and social implications of computing. The course emphasizes both object-oriented and imperative problem solving and design. These techniques represent proven approaches for developing solutions that can scale up from small, simple problems to large, complex problems. 36 weeks | suggested grade level: 10-12

**AP English Language and Composition:** This college-level course is designed to provide the in-depth reading and writing skills that students need for college success. Critical and responsive reading skills are cultivated and developed using diverse fiction and nonfiction texts. Writing activities support and deepen students'

understanding and control of formal conventions of written language, while broadening their understanding of how language is used rhetorically in formal and informal texts. 36 weeks | suggested grade level: 10-12

**AP English Literature and Composition:** This college-level course helps students hone their critical literary analysis skills. Through intensive reading assignments, students explore language, character, action and theme. Students also write compositions representing a variety of genres, including literary analysis, exposition, argument, narrative and creative writing. This course meets the rigorous standards of the College Board. 36 weeks | suggested grade level: 10-12

**AP Calculus AB:** This college-level course addresses such topics as elementary functions, properties of functions and their graphs, limits and continuity, differential calculus and integral calculus. Students are expected to work with functions graphically, numerically and analytically. 36 weeks | suggested grade level: 10-12

**AP Statistics:** AP Statistics is designed to introduce students to the major concepts and tools for data collection and analysis. Students will draw conclusions from data using technology and problem solving. Major themes covered in this course include data exploration, sampling and experimentation, patterns, and statistical inference. 36 weeks | suggested grade level: 10-12

**AP Biology:** This college-level course focuses on conceptual understandings of four big ideas: 1) The process of evolution drives the diversity and unity of life; 2) Biological systems utilize free energy and molecular building blocks to grow, to reproduce and to maintain dynamic homeostasis; 3) Living systems store, retrieve, transmit and respond to information essential to life processes; 4) Biological systems interact, and these systems and their interactions possess complex properties. 36 weeks | suggested grade level: 10-12

**AP Chemistry:** This college-level course covers such topics as atomic theory and structure, chemical bonding, states of matter and reactions. Challenging and engaging assignments reinforce the content. This course meets the rigorous standards of the College Board and was designed to prepare students to sit for the AP Chemistry Exam. 36 weeks | suggested grade level: 10-12

**AP Environmental Science:** This college-level course provides students with the scientific principles, concepts and methodologies required to understand the interrelationships of the natural world. Students will identify and analyze environmental problems that are both natural and human-made. They will evaluate the risks associated with these problems and examine alternative solutions to addressing them. 36 weeks | suggested grade level: 10-12

**AP U.S. History:** This college-level course is an intensive study of United States history from 1492 to the present. Students learn how to analyze, evaluate and interpret historical sources and evidence. This course requires extensive reading, research and writing and meets the rigorous standards of the College Board. It was designed to prepare students to sit for the AP U.S. History Exam. 36 weeks | suggested grade level: 10-12

**AP Macroeconomics:** The purpose of the AP Macroeconomics course is to give students a thorough understanding of the principles of economics that apply to an economic system as a whole. The course places particular emphasis on the study of national income and price level determination, and also develops students' familiarity with economic performance measures, the financial sector, stabilization policies, economic growth, and international economics. 36 weeks | suggested grade level: 10-12

**AP Microeconomics:** The purpose of the AP Microeconomics course is to give students a thorough understanding of the principles of economics that apply to the functions of individual decision makers, both consumers and producers, within the economics system. It places primary emphasis on the nature and functions of product markets and includes the study of factor markets and the role of government in promoting greater efficiency and equity in the economy. 36 weeks | suggested grade level: 10-12

**AP Psychology:** This college-level course is designed to introduce students to the systematic and scientific study of the behavior and mental processes of human beings. Students are exposed to the psychological facts, principles, and phenomena associated with each of the major subfields within psychology. They will also learn about the ethics and methods psychologists use in the science and in practice. 36 weeks | suggested grade level: 10-12

## ***Health/Physical Education***

**Middle School Physical Education:** Middle school students enrolled in this course will learn information which they can use to develop a healthy, active lifestyle. Topics covered include muscle function, cardiovascular fitness, body types, nutrition, weight management and body systems. The course includes an activity log with an expectation of 90 minutes of documented physical activity per five days of school. 36 weeks or 18 weeks | suggested grade level: 6-7

**High School Physical Education:** High school students acquire a more advanced understanding of health and wellness information that they can utilize to develop healthy attitudes and behavior patterns. Critical thinking and decision-making skills are taught and practiced throughout the course as students are encouraged to recognize their power to choose healthy behaviors to reduce risks. The physical education component includes an activity log with an expectation of at least 90 minutes of documented physical activity per five days of school weekly. 36 weeks or 18 weeks | suggested grade level: 8-12

**Food and Nutrition:** This course helps students better understand the principles of nutrition. Students gain a basic knowledge of nutrition and good health. They study healthy preparation and care of food as well as food management. They also learn about the food science involved in the preparation process. 36 weeks | suggested grade level: 9-12

**Middle School Introduction to Sports:** This middle school level introductory course is all about sports. Covering a wide range of sports from athletics, gymnastics, team sports, racket sports, combat sports, water sports, winter sports, target sports, sports on wheels, motor sports, animal sports, and extreme sports. This course is sure to spark the curiosities and interests of those who love the world of sports. Students will learn the rules and regulations and certain techniques of each individual sport. 18 weeks | suggested grade level: 5-8

**Sports Officiating:** Sports Officiating will take a closer look at the career of sports officials. Students will learn how to develop and build the skills of officiating, for example: conflict management, decision-making, communication, and goal setting skills. They will examine the importance of being physically and mentally fit in regards to the demands of officiating. The course will conclude with a look into the professional and legal responsibilities of sports officials. 18 weeks | suggested grade level: 7-12

**Strength Training:** Strength Training focuses on the biological and physiological components and effects of a person's conditioning, strength training, and aerobic training activities. Fitness programs range from aerobic endurance training, flexibility training, free weight and machine training, and resistance and plyometric training. Students will learn the structure and function of their body systems and how they are affected by performance and strength training programs and exercises. The course concludes by taking a look at rehabilitation and reconditioning sciences to help others recover from injuries and surgeries. 18 weeks | suggested grade level: 7-12

## ***Foreign Languages:***

**Invitation to Languages:** Invitation to Languages introduces students to five of the major world languages: Spanish, French, German, Latin, and Japanese. In this engaging course, students will learn about the history of communication, writing systems, written and spoken language, and the structure of language. 36 weeks | suggested grade level: Middle School

**French I:** Beginning French students are introduced to the basic elements of French as they move through the early stages of language acquisition. They study major vocabulary categories, verb tenses and other fundamental components of French grammar. The main purpose of the course is to help students communicate in French at a basic level, appreciate the French-speaking world and develop cultural awareness. 36 weeks | suggested grade level: 9-12

**French II:** French II students review the basic elements of French grammar acquired in French I and then will greatly expand their communicative abilities. The textbook is written entirely in French, which helps students

advance their knowledge of French grammar, structure and vocabulary. Their language skills increase so they are able to participate more fully in general conversations, read more sophisticated passages and write with a firmer command of syntactical structures. Cultural awareness is also further developed. 36 weeks | suggested grade level: 9-12

**French III:** This course builds on concepts learned in French I & II and advances the students ability to speak and write in French. It also further teaches the students about French culture and geographical information. 36 weeks | suggested grade level: 9-12

**Latin I:** Students are introduced to Latin language and ancient Roman culture. Focus is placed on basic grammar, syntax and vocabulary. Students explore Latin and English words through a set of recorded Latin stories with English translations. Upon completion of this course, students will be able to read and write in Latin on a basic level. 36 weeks | suggested grade level: 9-12

**Latin II:** Students enrolled in Latin II will expand upon what they learned in Latin I. They increase their skills and depth of knowledge through the practice of structures, forms and vocabulary. 36 weeks | suggested grade level: 9-12

**New and Improved! Spanish I:** This is a 36 week course which covers basic vocabulary, grammatical verb usage, sentence structure. The class will cover introductory materials such as; telling time, numbers, alphabet, restaurant food, family vocabulary, shopping and household living. 36 weeks | suggested grade level: 9-12

**New and Improved! Spanish II:** Spanish II students review the basic elements of Spanish grammar acquired in Spanish I and expand their vocabulary. Students master the present progressive verb tense and are introduced to the preterit tense. 36 weeks | suggested grade level: 9-12

**Spanish III:** Spanish III students review the basic elements of Spanish grammar acquired in Spanish I and II and expand their communicative abilities. Students master the preterite verb tense and are introduced to the imperfect and future tenses and the present subjunctive. Students will communicate in paragraph form and explain events that have happened in the past, as well as describe events that will take place in the future. Students continue to learn about the Spanish-speaking world through art, literature and music. 36 weeks | suggested grade level: 9-12

**Spanish IV:** Spanish IV students review the grammar concepts previously learned in Spanish I, II and III, including the present, preterite, imperfect and future verb tenses. Students will further their knowledge of the Spanish language by learning the command forms and delve more in-depth with the various forms of the subjunctive tense. Students will continue to learn about the Spanish-speaking world through authentic literature and poetry. 36 weeks | suggested grade level: 9-12

### ***Electives:***

**NEW! Carpentry:** Carpentry provides a highly illustrated, step by step approach to carpentry skill development. In addition to comprehensive coverage of tools, equipment, materials, and proven trade practices this book includes roof pitch framing and building codes. 36 weeks.

**Exploring Apple/Mac: Monterey Edition** In this course, students will explore the Monterey release for Mac OS. The course begins with basic navigation and organization of files and continues to build skills in specific applications. The course covers useful applications including Safari, email, music, maps, and much more. Students will end with the basics of updating and maintaining the Mac device. (Access to Mac OS is required.) 18 weeks

**Introduction to Cosmetology - Part I:** In this course, students will explore the basics of a career in cosmetology. Introduction to Cosmetology - Part I begins with a brief history of careers in this field and continues with the basic sciences that apply. Students will learn about hair, skin, and nails, as well as basic chemistry before ending with applicable business skills for a cosmetologist: 18 weeks

**Introduction to Law Enforcement:** In this course, students will explore the basics of a career in Law Enforcement. Introduction to Law Enforcement begins with an overview and brief history of police in the U.S. The course continues by covering topics in operation, recruitment, strategies, and police conduct. Students will also learn about issues and ethics in contemporary policing: 18 weeks

**Middle School Introduction to Computer Programming:** This course introduces basic computer programming skills in several different programming languages. Students are introduced to the basics using Scratch, Python, and HTML/CSS to create their own projects and games. Engaging projects and step-by-step instructions make this course an excellent choice for beginner-level students interested in computer programming: 18 weeks

**Business and Personal Law:** This course examines legal obligations of parties involved in housing, business and personal endeavors. Topics of study include contractual obligations, corporate responsibilities and marriage/divorce law. course: 36 weeks | suggested grade level: 9-12

**Medical Terminology I:** Students interested in the life sciences, specifically human anatomy, will greatly benefit from taking this course. Topics covered include: basic word structure, the integumentary system, the skeletal and muscular systems, and the nervous system. Overall, Medical Terminology I gives students the foundation they need to confidently speak within the medical field. course: 18 weeks | suggested grade level: 9-12

**Forensic Science:** Students interested in criminal justice and crime scene investigation will enjoy this elective course designed to introduce students to the world of forensic science. Throughout the course, students will be encouraged to combine their math, chemistry, biology, physics, and earth science skills in order to analyze multiple case studies. . course: 36 weeks | suggested grade level: 9-12

**Criminal Justice:** This introductory course is designed to familiarize students with the formation, responsibilities, function, and interdependence of the agencies responsible for the administration and enforcement of justice in the United States. This course introduces the law making bodies that make up the judicial system, criminal trial system, corrections system, and juvenile justice system. This course also provides an overview of the problems and solutions in modern policing -- it will examine the studies of criminology and victimology, and will address the current challenges and temperature of criminal justice in our 21st century society. Finally, the course will consider the nature and extent of crime and will survey main theories of criminal behavior. course: 18 weeks | suggested grade level: 9-12

### **Study Skills**

The study skills course hones reading and study skills needed for academic success in high school. Students develop such abilities as: studying techniques, note taking, time management, listening, test taking and research. They gain confidence as they master these basic skills and have the opportunity to apply them to other courses. course: 18 weeks | suggested grade level: 9-12

**Driver's Ed:** This course works directly from the PA driver's manual. It teaches students all the information needed to take the Driver's Ed written exam. It also teaches defensive driving as well as important information on driving safe. It gives students the head knowledge to take the driving exam as well. Check with your car insurance company as well, many companies will give a discount when students take this class. 18 weeks | suggested grade level: 9-12

**Creative Writing:** This course explores strategies used in creative writing and helps students to develop a deeper appreciation of good writing and established authors. Students create a variety of works ranging from poems to short stories. While writing prose, students review rules and guidelines for correct punctuation, grammar and sentence structure. Effective, appropriate and economical word choice is also practiced. 18 weeks | suggested grade level: 9-12

**Journalism:** This high school course includes a brief history of American journalism and discusses the duties of a journalist. Additional topics that are taught in this course include the rights and responsibilities of journalists, style and editing, news writing, sports writing, feature writing, editorial writing, newspaper design, yearbook design, advertising and much more. 18 weeks | suggested grade level: 9-12

**The Art of Communication:** This course provides students with a comprehensive introduction to interpersonal, intercultural, professional, group, and public communication. Students will be presented with the theories and research behind effective communication, as well as engaging activities to enable practical application. Students will learn about the communication process, verbal and nonverbal communication strategies, conflict and conflict management, and speaking and listening in a group or public setting. 18 weeks | suggested grade level: 9-12

**Business Math:** This high school business course is structured utilizing a three-pronged approach: basic math review, personal finance and business mathematics. It builds and strengthens students' basic math skills in personal and business mathematics. 36 weeks | suggested grade level: 9-12

**Probability and Statistics:** This course introduces students to sampling methods, descriptive statistics and probability distributions. Students learn how to take effective samples and create valid experiments. They acquire tools and knowledge that will enable them to effectively evaluate and interpret data. 36 weeks | suggested grade level: 9-12

**Anatomy and Physiology:** This intensive course gives students an overview of human anatomy and physiology. It covers information about the human body at the cellular and chemical levels. Students learn about control and regulation of each of the systems in the human body and how each of the systems applies to disease and development. 36 weeks | suggested grade level: 9-12

**Animal Husbandry:** Students interested in animals and agriculture will enjoy this elective course designed to introduce students to animal science. Throughout the course, students will be encouraged to learn about a variety of areas, including: nutrition, anatomy and physiology, biotechnology, biosecurity, and genetics and animal reproduction. 18 weeks | suggested grade level: 9-12

**Introduction to Forestry:** This elective course is designed to introduce students to the topic of forestry. Units within this course include: North America Forest Regions, Safety in the Forest, Forest Management, and Forest Products. Additionally, students will be able to learn more about the various career options in this field. 18 weeks | suggested grade level: 9-12

**Introduction to STEM:** This course is designed to introduce the four areas of STEM by exposing students to numerous practical examples of the impacts of technology on our world. Upon completion, students will have the confidence to describe why technological systems in various fields work the way they do. 18 weeks | suggested grade level: 9-12

**Oceanography:** Students taking this course will combine their knowledge of geology, chemistry, physics, and biology to examine and learn more about our Earth's oceans. This course is designed to allow students to take away a fundamental understanding of how the oceans work and why they behave in the ways that they do. Overall, this elective course does a good job of explaining the larger picture of how our oceans interact with all of the systems on Earth. 36 weeks | suggested grade level: 9-12

**Zoology:** This elective course is designed to expand upon concepts learned within a life science or biology course. Specifically, zoology will address the animal kingdom, including the structure, embryology, evolution, classification, habits, and distribution of animals both living and extinct. 36 weeks | suggested grade level: 9-12

**Psychology:** This introductory psychology course acquaints students with basic principles of psychology. Students learn about how concepts they encounter in the course have real-life applications. The text is supported by online resources, videos and quizzes. 18 weeks | suggested grade level: 9-12

**Sociology:** This sociology course explores the interactions and relationships of the varying groups within society. Students investigate the roles of societies' institutions and the effects of these institutions on different

demographics. They also learn about the challenges and problems faced by communities. 18 weeks | suggested grade level: 9-12

**Art History:** Art History students will gain a basic understanding and appreciation of art as it is encountered on the high school level and beyond. Students begin with a study of art processes, criticism and aesthetics and progress to an overview of art history through the 21st century. 36 weeks | suggested grade level: 9-12

**Middle School Art Appreciation:** Middle school students enrolled in this course will gain an appreciation of art with an understanding of its historical context. Students will learn how historical, political, geographical, social, and religious events shape each culture's art and make it unique. Traditional art from the following cultures is discussed within the course: Western Europe, China, Japan, India, Native America, and Africa. 18 weeks | suggested grade level: 9-12

**Music History/Music Appreciation:** This course introduces students to perceptive listening and provides an engaging presentation of musical elements, styles and stylistic periods. Organized chronologically, this course provides a survey of music's evolution from the music of the Middle Ages to classical, jazz, blues and rock. This course concludes by exploring the non-Western music traditions from Africa, India and Japan. 18 weeks | suggested grade level: 9-12

**High School Career Exploration:** The Career Exploration course equips students with a background and process for successfully transitioning from school to a career. Students complete a self-assessment — analyzing their interests, skills and goals — to begin the development of a targeted approach to their next educational steps and, ultimately, their careers. Additionally, students' study and practice practical skills such as resume writing and interviewing. Various career opportunities are presented as well as the tools students need to further understand and research their own career directions. 18 weeks | suggested grade level: 9-12

**Accounting I:** Accounting I students learn how to maintain accurate business records. Students study business transactions, including working with source documents, handling ledger accounts, preparing worksheets and working with financial statements. They will gain a real-world understanding of the applications of accounting. 36 weeks | suggested grade level: 9-12

**Business and Personal Law:** This course examines legal obligations of parties involved in housing, business and personal endeavors. Topics of study include contractual obligations, corporate responsibilities and marriage/divorce law. 36 weeks | suggested grade level: 9-12

**Marketing:** The Marketing course introduces students to basic marketing techniques and business decision-making processes. Students study the marketing process and increase their knowledge of markets, buyers, promotion and pricing. The course aims to improve students' understanding of how professional advertising agencies design, market and distribute their products. 36 weeks | suggested grade level: 9-12

**Culinary Arts:** Students begin by examining kitchen basics such as food and kitchen safety, and proper use of foodservice equipment. Culinary basics and applications, like reading recipes and measurements, proper cooking methods, and food preparation skills, are presented. A look into the career of culinary management completes this exploration of culinary arts. 18 weeks | suggested grade level: 7-12

**Culinary Arts: Baking and Pastry:** Students enrolled in the baking and pastry course are introduced to the basic principles of pastries and baking. They learn about ingredients, measurement, tools and standard baking equipment. The basics of breads, doughs, pastries, custards, cakes, cookies, and pies are explored, along with frozen desserts and healthful and special-needs baking. Other topics include professionalism in the fields of food service, restaurants, and bakeries, as well as operations, safety, and sanitation. 18 weeks | suggested grade level: 7-12

**Google Drive:** This course will instruct students in the essentials of Google Drive. Students will create, format and share documents, spreadsheets and presentations, and gather data via Google Forms. Students will learn how to adjust permissions and document accessibility, as well as how to create collaborative projects with a group of faculty or fellow classmates. 18 weeks | suggested grade level: 9-12

**Introduction to Computer Programming:** This course is directed towards students interested in gaining programming experience. The main objective of this course is to provide students with an understanding of computation and its usefulness. It also aims to provide students with the ability to write small programs that allow them to complete various goals. Students who enroll in this class will use the Python programming language. course: 18 weeks | suggested grade level: 9-12

**Web Design I (HTML5 and CSS3):** In this introductory course, students will learn the basics of writing HTML5 and CSS3 structured web pages and sites. Students learn to prepare images, audio and video, as well as control typography and layout. Students are introduced to the basics of designing and building attractive, user-friendly content on the web. 18 weeks | suggested grade level: 9-12

**Personal Finance and Financial Literacy:** The Personal Finance and Financial Literacy course exposes students to important financial issues they are likely to encounter in their lives. Topics include home buying, balancing a budget and responsible use of credit and borrowing. This knowledge will increase students' abilities to manage their finances in a responsible and intelligent manner. 18 weeks | suggested grade level: 9-12