



COURSE GUIDE



CALVERT
ACADEMY™

Language Arts

KINDERGARTEN LANGUAGE ARTS

2 Semesters

Kindergarten Language Arts is a beginning language course that focuses on the key components of phonics, as well as basic language skills. Two colorful workbooks filled with drills in consonants, vowels, and blending lay the foundation for reading. Additional topics include alphabetical order, patterns, capital letters, periods, number words, and more.

1ST GRADE LANGUAGE ARTS

2 Semesters

1st Grade Language Arts is a comprehensive phonics-based language course that integrates phonics, reading, and grammar. Through this colorful course, students encounter skills such as rhyming words, consonant digraphs and blends, vowel digraphs, R-controlled vowels, and diphthongs, as well as basic grammar skills to take students from “learning to read” to “reading to learn.”

2ND GRADE LANGUAGE ARTS

2 Semesters

2nd Grade Language Arts integrates grammar, spelling, reading, and writing into one comprehensive curriculum. Building on a strong phonics base, this course touches on critical language topics such as building sentences, punctuation, prefixes, suffixes, nouns, verbs and more.

3RD GRADE LANGUAGE ARTS

2 Semesters

3rd Grade Language Arts focuses on the sequential development and integration of communication skills in the major areas of reading, writing, speaking, and listening. Students are introduced to basic reading skills, as well as reading strategies to use in short stories, a short play, poetry, and fables.

4TH GRADE LANGUAGE ARTS

2 Semesters

4th Grade Language Arts continues to build students' fluency and independent reading skills by further developing comprehension strategies via a wide variety of genres, including fiction, nonfiction, and poetry. Using a more complex paragraph structure and integrated application of their speaking skills, students also write in a variety of genres like fictional stories, poetry, and an informational report.

5TH GRADE LANGUAGE ARTS

2 Semesters

5th Grade Language Arts places special attention on reading non-fiction texts. Students identify text features and explain how graphic elements lead to comprehension and continue to build grammar skills in support of clear communication. In addition, speaking skills are built upon through memorization and recitation of Abraham Lincoln's powerful Gettysburg Address.

6TH GRADE LANGUAGE ARTS

2 Semesters

6th Grade Language Arts delves into texts that span the genres of narrative fiction, poetry, literary nonfiction, and informational texts to build reading, writing, and thinking skills. Students also develop their writing skills as they focus on the six traits while producing narrative, argumentative, and explanatory compositions, as well as creative pieces including poetry. The course concludes with students completing a full research report.

7TH GRADE LANGUAGE ARTS

2 Semesters

7th Grade Language Arts engages students in a thematic study of literature that explores accounts of earth, space, and survival and delves into texts that span the genres of narrative fiction, poetry, literary nonfiction, and informational texts. Students demonstrate their understanding of various works by analyzing how common themes like exploration, innovation, and courage are able to transcend diverse time periods and genres.

7TH GRADE LANGUAGE ARTS FUNDAMENTALS

2 Semesters

7th Grade Language Arts Fundamentals focuses on furthering students' understanding in reading skills, including the identification of main ideas. Students also develop basic literary comprehension skills through the reading of biographical and autobiographical pieces, poetry, character analyses, and the newspaper.

8TH GRADE LANGUAGE ARTS

2 Semesters

8th Grade Language Arts is a survey of literature that explores a range of classic and contemporary literature to convey themes of American history, natural history, world civilization, and air and space. Students also develop writing skills while producing informative, argumentative, and narrative compositions.

8TH GRADE LANGUAGE ARTS FUNDAMENTALS

2 Semesters

8th Grade Language Arts Fundamentals reinforces reading comprehension skills by teaching students context clues and sequencing. Students also develop an understanding of sentence structure, providing hands-on experience with conjunctions, transitions, clauses, and common sentence errors. The course also covers note-taking skills.

ENGLISH I

2 Semesters

Students engage in in-depth analysis of increasingly complex literature in English I. A variety of genres are covered, including short stories, nonfiction, poetry, drama and novels. Throughout the course, students examine what makes a hero through reading Homer's *The Odyssey*, explore unifying themes as they read *To Kill a Mockingbird*, and compare and contrast the original *Romeo and Juliet* with a modern adaptation.

ENGLISH I FUNDAMENTALS

2 Semesters

English I Fundamentals reinforces reading comprehension skills by teaching students how to understand and appreciate poetry, drama, informative nonfiction, and fiction. The course also shows students how to analyze, evaluate, and interpret a text. In addition, students review parts of speech and their types, including an in-depth study on verbs.

ENGLISH II

2 Semesters

English II presents students with valuable cultural insight as they read and write about works depicting the social, personal, religious, and political struggles and triumphs faced by people all over the world and all through history. Students continue to build their literacy skills by engaging in active reading, composition, speaking and listening activities, vocabulary study, and focused research projects.

ENGLISH II FUNDAMENTALS

2 Semesters

English II Fundamentals teaches students how to comprehend and appreciate poetry, drama, and fiction. In addition, students are guided through readings of drama, a novel, and selections of well-known poetry and short stories. Special topics incorporate research skills, including Internet, library, and reference material use.

ENGLISH III

2 Semesters

English III is a survey of American literature and literary culture from its inception through the 20th century. Emphasis is placed on a rhetorical analysis of the literature to determine how authors achieve a particular purpose or effect. Through focused readings, composition, speaking and listening activities, vocabulary study and research, students continue to build the literacy skills needed to meet the challenges of high school and beyond.

ENGLISH III FUNDAMENTALS

2 Semesters

English III Fundamentals teaches students comprehension techniques for literary fiction, nonfiction, poetry, and drama. The course also guides students through readings of Thornton Wilder's *Our Town* and Ernest Hemingway's *The Old Man and the Sea*, as well as selections of and excerpts from well-known poetry and nonfiction pieces. In addition, students further to develop their abilities in writing through literary critiques, personal essays, poetry, and a research paper.

ENGLISH IV

2 Semesters

English IV is organized chronologically, so students can see the influences on and evolution of ideas and forms. Writing, research, and speaking assignments continue to focus on formulating and expressing ideas and arguments about the readings. Particular emphasis is placed on gaining critical perspective on the relationship between content and form and on synthesizing ideas into clear and concise prose and presentations.

ENGLISH IV FUNDAMENTALS

2 Semesters

English IV Fundamentals guides students through English literary history, including readings of Shakespeare's *Hamlet*, Milton's *Paradise Lost*, *Beowulf*, and other selections of and excerpts from major English literary figures. The course also teaches Greek and Latin roots and prefixes to enhance vocabulary and spelling skills.



Math

KINDERGARTEN MATH

2 Semesters

Created to instill a strong math foundation, Kindergarten Math is full of fun learning activities. With a focus on the basics of elementary math, two large workbooks provide colorful instruction and practice in concepts such as counting, comparisons, number order, time, money, addition, and subtraction.

1ST GRADE MATH

2 Semesters

Creating a strong math foundation, 1st Grade Math is a fun program with a focus on the basics of elementary math. Ten colorful workbooks provide instruction and practice in number order, number words to 200, place value, addition, subtraction, time, fractions, and more. Skip counting, measurements, shapes, number sentences, and money also are studied.

2ND GRADE MATH

2 Semesters

Created to encourage a strong math foundation, 2nd Grade Math is filled with fun learning activities. Ten colorful units focus on the basics of elementary math, providing instruction in numbers to 1,000, operation symbols, measurements, shapes, rounding, addition, subtraction, time, estimation, and fractions.

3RD GRADE MATH

2 Semesters

3rd Grade Math is a full-year elementary course focusing on number skills and numerical literacy. Students gain solid experience with number theory and operations, learning how to apply these in measurement situations. The course also integrates geometric concepts and skills throughout the units, as well as introducing students to statistical concepts.

4TH GRADE MATH

2 Semesters

4th Grade Math is a full-year elementary course focusing on number skills and numerical literacy. Students gain solid experience with number theory and operations, including decimals and fractions. This course also integrates geometric concepts and skills throughout the units, teaches measurement skills, and introduces students to statistical concepts.

5TH GRADE MATH

2 Semesters

5th Grade Math is a full-year elementary course focusing on number skills and numerical literacy, and geometric concepts. Students gain solid experience with number theory and operations, including whole numbers, decimals, and fractions. The course also integrates mathematical practices throughout each unit, while introducing students to algebraic, statistical, and probability concepts.

6TH GRADE MATH

2 Semesters

Focusing on the skills needed for algebra, 6th Grade Math gives students experience with number theory and operations, including decimals and fractions. This course also integrates ratio relationships and proportional reasoning throughout the units, as well as introduces students to geometric and statistical concepts.

7TH GRADE MATH

2 Semesters

7th Grade Math prepares junior high students for pre-algebra. The course studies integers, equations, important geometric concepts, and more. Throughout the course students begin to see the "big picture" of mathematics and learn how numeric, algebraic, and geometric concepts are woven together to build a foundation for higher mathematical thinking.

7TH GRADE MATH FUNDAMENTALS

2 Semesters

7th Grade Math Fundamentals prepares junior high students for pre-algebra. This course focuses on strengthening critical skills in problem solving, number sense, and proportional reasoning. It also introduces students to integers, equations, and geometric concepts. Throughout the course students begin to see the “big picture” of mathematics and learn how numeric, algebraic, and geometric concepts are woven together to build a foundation for higher mathematical thinking.

8TH GRADE MATH

2 Semesters

8th Grade Math is an introductory algebra course that prepares junior high school students for Algebra I. Throughout the course, students explore different properties of numbers and how to use them to simplify expressions and formulas to make computations easier. Additional topics include modeling problems in integers, modeling problems with rational numbers, proportional reasoning, data analysis, probability, and more.

8TH GRADE MATH FUNDAMENTALS

2 Semesters

8th Grade Math Fundamentals is an introductory algebra course that prepares junior high school students for Algebra I. This course focuses on strengthening skills in problem solving, integers, equations, and graphing. Students also begin to see the “big picture” of mathematics and learn how numeric, algebraic, and geometric concepts are woven together to build a foundation for higher mathematical thinking.

ADVANCED ALGEBRA

2 Semesters

Advanced Algebra is a full year high school mathematics course for students who have successfully completed Analytic Geometry. This online course prepares students for college-level and real-world mathematical reasoning. Concepts covered in this course integrate the topics of statistics, Algebra II, and trigonometry.

ALGEBRA I

2 Semesters

Algebra I is a full-year, high school credit course for students who have successfully mastered the core algebraic concepts covered in pre-algebra. Within the Algebra I course, students explore basic algebraic fundamentals, such as evaluating, creating, solving and graphing linear, quadratic, and polynomial functions.

ALGEBRA I FUNDAMENTALS

2 Semesters

Algebra I Fundamentals is a full year, high school credit course that is intended for the student who has successfully mastered the core algebraic concepts covered in the prerequisite course, pre-algebra. Within the Algebra I course, students explore basic algebraic fundamentals such as evaluating, creating, solving and graphing linear, quadratic, and polynomial functions.

ALGEBRA II

2 Semesters

Algebra II is a full-year, high school math course for students who have successfully completed the prerequisite course Algebra I. This online course focuses on algebraic techniques and methods to develop student understanding of advanced number theory, concepts involving linear, quadratic, and polynomial functions, and pre-calculus theories. This course also integrates geometric concepts and skills throughout the units, as well as introduces students to basic trigonometric identities and problem solving.

ALGEBRA II FUNDAMENTALS

2 Semesters

Algebra II Fundamentals is a full-year, high school math course intended for students who have successfully completed the prerequisite course Algebra I. This course focuses on algebraic techniques and methods to develop student understanding of advanced number theory, concepts involving linear, quadratic and polynomial functions, and pre-calculus theories. This course also integrates geometric concepts and skills throughout the units and introduces students to basic trigonometric identities and problem solving.

ANALYTIC GEOMETRY

2 Semesters

Analytic Geometry is a full year high school mathematics course intended for students who have successfully completed Coordinate Algebra. This course is designed to prepare students for college-level and real-world mathematical reasoning. Concepts covered in this course integrate the topics of advanced algebra, geometry, trigonometry, and statistics.

CONSUMER MATH

2 Semesters

Consumer Math is an introduction to the many ways in which math can be used in everyday life. The course gives practical advice on how to handle situations that involve money and math principles. In addition, students develop experience with algebraic techniques of evaluating variables and equations, including geometric formulas and interest equations. Students also are introduced to topics in statistics.

COORDINATE ALGEBRA

2 Semesters

Coordinate Algebra is intended for high school students who have successfully completed 8th Grade Math or Pre-Algebra. This course focuses on complex operations of integers and variables while incorporating algebraic techniques and methods to develop student understanding of mathematical expressions, as well as concepts involving linear, quadratic, exponential and polynomial functions.

GEOMETRY

2 Semesters

For students who have successfully completed Algebra I as a prerequisite course, Geometry focuses on the skills and methods of linear, quadratic, coordinate, and plane geometry. Throughout the course, students learn to relate geometric theorems on points, lines, and planes, identify different kinds of polygons, use sine, cosine, and tangent values to solve for missing values in triangles, graph linear equations and inequalities, explain the concept of conditional probability, and much more.

GEOMETRY FUNDAMENTALS

2 Semesters

Geometry Fundamentals focuses on the skills and methods of linear, quadratic, coordinate, and plane geometry. In addition, students gain solid experience with geometric calculations and coordinate plane graphing, methods of formal proof, and techniques of construction.

PRE-CALCULUS

2 Semesters

For students who have successfully mastered the core algebraic and conceptual geometric concepts covered in the prerequisite courses of Algebra I, Geometry, and Algebra II, Pre-calculus primarily focuses on the skills and methods of analytic geometry and trigonometry. Throughout the course, students examine functions, solve polynomials using the quadratic theorem, use parametric equations with trigonometric operations, and more.

PROBABILITY & STATISTICS

2 Semesters

Probability of Statistics gives students an overview of basic concepts of statistics, with an emphasis on descriptive statistics. The course begins with the key concepts of data, samples, and populations. In addition, the course looks for patterns in a data set and determine models based on those patterns. An more in-depth look at probability includes an emphasis on compound and conditional probabilities.

TRIGONOMETRY

1 Semester

Trigonometry is a five-unit elective for students who have successfully completed Algebra I, Geometry, and Algebra II. Course materials cover a development of trigonometry from right triangle trigonometry to oblique triangles and the polar plane. Throughout the course, students develop trigonometric formulas and use them in real-world applications, evaluate trigonometric proofs using complex trigonometric identities and solving trigonometric equations with regard to the unit circle.

Science

1ST GRADE SCIENCE

2 Semesters

1st Grade Science begins the process of teaching important principles of observation which will in turn assist children as they learn about the physical universe. Ten colorful worktexts present lessons on the human body, the five senses, animals, plants, energy, health, machines, and more.

2ND GRADE SCIENCE

2 Semesters

2nd Grade Science teaches the development of critical observation skills as part of instruction in the four major science strands of life sciences, earth and space sciences, physical sciences, and the nature of science. This course captivates students with lessons on how animals are alike and different, how people are alike and different, caring for pets, using the five senses, colors, shapes, sizes, caring for our world, the seasons, and more.

3RD GRADE SCIENCE

2 Semesters

3rd Grade Science is a basic elementary course that exposes students to the designs and patterns in the physical universe. This course provides a broad survey of the major areas of science, including the human body, plants, animals, health and nutrition, matter, sound waves, earth science, and heat energy.

4TH GRADE SCIENCE

2 Semesters

Building on fundamental concepts, 4th Grade Science provides a broad survey of the major areas of science, including the study of plants and animals, ecology, work and simple machines, electricity and magnetism, properties of water and matter, weather, the solar system, and the different spheres of earth.

5TH GRADE SCIENCE

2 Semesters

5th Grade Science provides a broad survey of the major areas of science, including the study of cells, plants and animals, ecology, energy, geology, properties of matter, and the natural cycles of life. The curriculum seeks to develop students' ability to understand and participate in scientific inquiry.

6TH GRADE SCIENCE

2 Semesters

6th Grade Science is an intermediate course intended to expose students to the designs and patterns in the physical universe. This online course covers the study of plant and animal systems, plant and animal behavior, genetics, the structure of matter, light and sound, kinematics, planet earth, the solar system, and astronomy.

7TH GRADE SCIENCE

2 Semesters

7th Grade Science covers the scientific method, an overview of the four major areas of science, mathematics in science, astronomy, the atmosphere, natural cycles, weather and climate, human anatomy and physiology, and careers in science. Units contain experiments and projects to capitalize on the students' natural curiosity, as students explore, observe and manipulate everyday objects and materials in their environment.

8TH GRADE SCIENCE

2 Semesters

8th Grade Science is an intermediate course that covers the structure and properties of matter, measurement and mathematics of science, geology, oceanography, natural cycles and resources, science today and tomorrow, and astronomy. Students at this level show an understanding of interrelationships between organisms and the environment, recognize patterns in systems, and expand their knowledge of cellular dimensions of living systems.

INTEGRATED PHYSICS & CHEMISTRY

2 Semesters

Integrated Physics & Chemistry is a physical science course for high school students needing an entry-level science course. The course studies matter, motion and forces, work and energy, electricity and magnetism, and waves. In addition, students have opportunities to observe simulations, investigate ideas, and solve problems. Additional topics of study include atomic structure, Newton's laws, types of energy, thermodynamics, and how chemistry and physics are at work in our daily lives.

BIOLOGY

2 Semesters

Biology exposes students to the designs and patterns of living organisms and their interactions with the environment. Covering both the micro and macro aspects of life, this course studies taxonomy, the chemical basis of life, cellular structure and function, genetics, microbiology, plant structure and function, animal structure and function, and ecology and the environment.

CHEMISTRY

2 Semesters

Chemistry is an in-depth study of matter and its interactions. Building on an understanding for the macroscopic properties of substances and the microstructure of substances, this course teaches the symbolic and mathematical world of formulas, equations, and symbols. Major concepts covered are measurement in chemistry, atomic structure, chemical formulas and bonding, chemical reactions, stoichiometry, gases, chemical equilibrium, and organic chemistry.

EARTH SCIENCE

2 Semesters

Earth Science is a basic science course intended to further explore the designs and patterns of our planet. This course covers such areas as the origin, history, and structure of Earth. It also covers forces that cause changes on Earth, as well as features of Earth including the crust, water, atmosphere, weather, and climate. Earth Science wraps up with astronomy and a study of all the planets, the solar system, and galaxies.

ENVIRONMENTAL SCIENCE

2 Semesters

Environmental Science is an interdisciplinary course covering a wide variety of topics including biology, physics, geology, ecology, chemistry, geography, astronomy, meteorology, oceanography, and engineering. The course also considers ways in which human populations affect our planet and its processes. Of special emphasis is the concept of sustainability as a means of using resources in a way that ensures they are always around us.

PHYSICS

2 Semesters

Physics expands upon students' understanding of the macroscopic and microscopic world of forces, motion, waves, light, and electricity. This curriculum also seeks 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, waves, sound and light, electricity and magnetism, and nuclear physics.



Social Studies

1ST GRADE HISTORY AND GEOGRAPHY

2 Semesters

Presenting lessons in ten colorful workbooks, the focus of 1st Grade History & Geography is “Your World.” Students learn about being feelings, family relationships, places people live, firemen and policemen, the pilgrims, patriotism, the globe, and different countries.

2ND GRADE HISTORY AND GEOGRAPHY

2 Semesters

2nd Grade History & Geography presents an introductory history of the United States of America. Ten engaging workbooks present lessons on the trail of the Native Americans, the different branches of the government, westward expansion, and America’s pioneers. The course also includes a comprehensive study of maps.

3RD GRADE HISTORY AND GEOGRAPHY

2 Semesters

3rd Grade History & Geography is an exploration of the regions of the United States. Intended to give students an overview of the United States, this course lets students set their own pace while studying mountains, rivers, fields, plants, animals, and people in each U.S. region.

4TH GRADE HISTORY AND GEOGRAPHY

2 Semesters

4th Grade History & Geography focuses on world geography, describing the surface of the earth and its natural features or biomes. It also teaches about cultural distinctions, placing special emphasis on North American geography and culture.

5TH GRADE HISTORY AND GEOGRAPHY

2 Semesters

5th Grade History & Geography focuses on the two major areas of 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.

6TH GRADE HISTORY AND GEOGRAPHY

2 Semesters

6th Grade History & Geography travels to exciting places and fascinating civilizations from the ancient world to our world today. Engaging topics include a comprehensive overview of the geographical features, natural resources, and cultures of 13 dynamically diverse countries in South America, as well as a study of the regions of Africa.

7TH GRADE HISTORY AND GEOGRAPHY

2 Semesters

Focusing on world civilizations, 7th Grade History & Geography examines the growth of human society from our earliest beginnings to the present. Students study topics like agricultural societies, ancient civilizations, empires, trade, migration, and more.

8TH GRADE HISTORY AND GEOGRAPHY

2 Semesters

8th Grade History & Geography focuses on American history, covering early exploration through the present day, with special emphasis given to the Civil War, as well as to inventions and technology of the 19th and early 20th centuries. These areas of focus target the major content strands of history, geography, government and citizenship.

ECONOMICS

1 Semester

Economics examines the basic principles of economics, as well as the effect those principles have on every aspect of society. Students explore economics as a social science focusing on decision making by looking at cost-benefit analysis, scarcity, marginal costs and benefits, and the allocation of resources. Students also examine factors that influence the decision-making process and compare and contrast the efficiency of different market structures.

GOVERNMENT

1 Semester

Government focuses on American and international governments. This course explores the history of governments, the characteristics of the United States government, political parties, and the voting process.

U.S. HISTORY

2 Semesters

U.S. History Foundations to Present 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. Additionally, students 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, and the Korean conflict.

WORLD GEOGRAPHY

2 Semesters

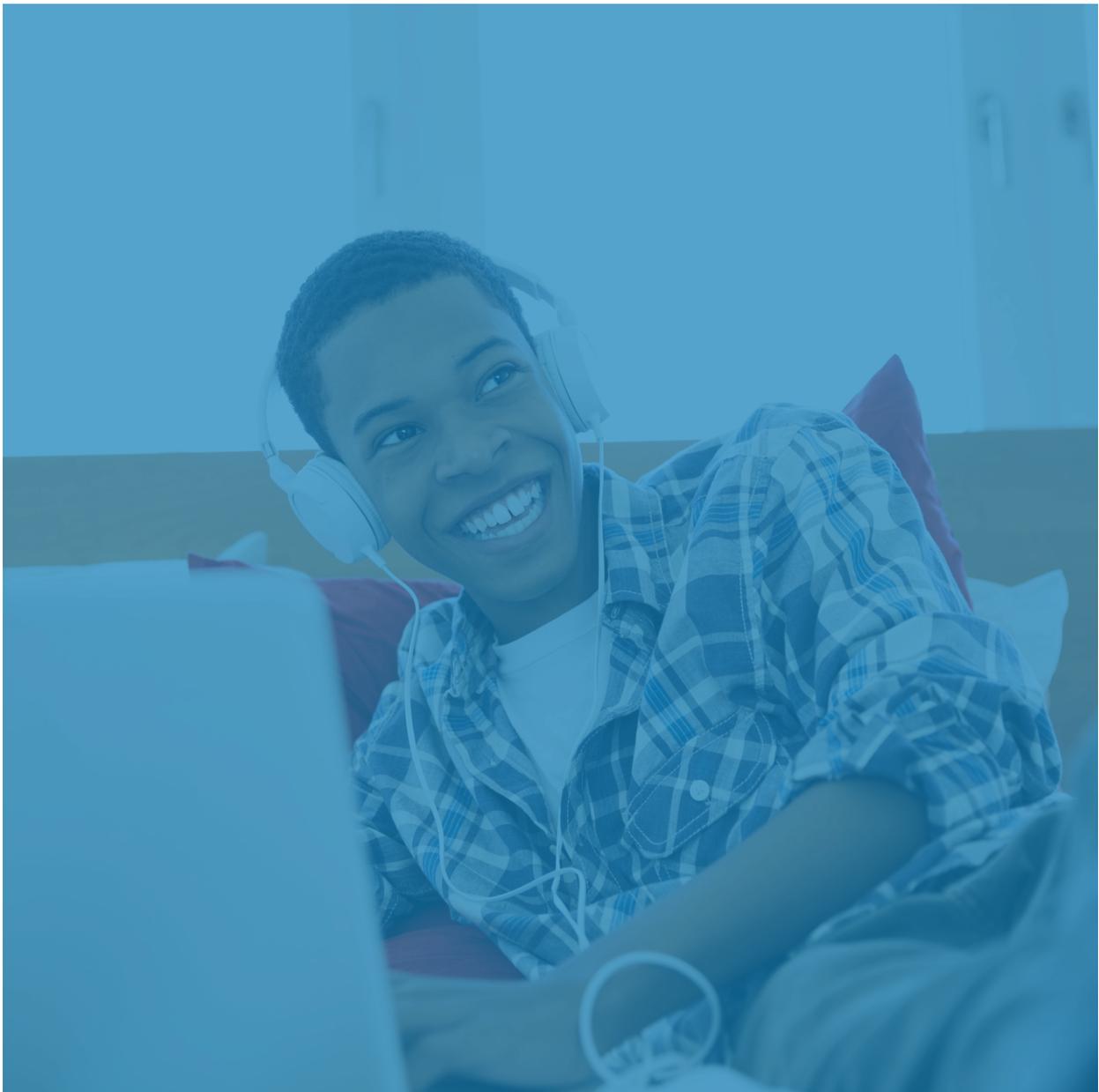
World Geography takes students on a journey around the world in which they learn about the physical and human geography of various regions. Students study the history of each region and examine the political, economic, and cultural characteristics of the world in which we live. Students also learn about the tools and technologies of geography, such as globes, maps, charts, and global information systems.

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WORLD HISTORY

2 Semesters

World History explores the people, events, and ideas that have shaped history from the beginnings of human society to today. Students study such topics as ancient civilizations, empires, exploration, the world wars, and globalization. Students also gain practice in research using technology and writing through various projects.



Spelling

3RD GRADE SPELLING

2 Semesters

3rd Grade Spelling delves into relevant spelling rules and word families throughout 30 weeks of instruction. Students not only practice phonics skills, including syllabication and sounding out multisyllabic words, but also incorporate word parts such as prefixes and suffixes. These lessons also reinforce language arts skills including application of the writing process and reading comprehension.

4TH GRADE SPELLING

2 Semesters

4th Grade Spelling is a 30-week course of instruction that practices phonics skills, including vowel combinations and sounding out multisyllabic words, as well as incorporation of word parts such as prefixes and suffixes. Units include review of base and root words, plural nouns, and homophones.

5TH GRADE SPELLING

2 Semesters

5th Grade Spelling is a 30-week course of instruction that practices phonics skills, including phonograms, compound words, and vowel-consonant-vowel patterns. Course units also include significant incorporation of word parts such as prefixes and suffixes. Units include review of base and root words, silent words, and homophones.

6TH GRADE SPELLING

2 Semesters

6th Grade Spelling is a 30-week course of instruction that practices phonics skills, including vowel pairs and digraphs. Course units also include significant incorporation of word parts such as prefixes and suffixes. Units include review of Greek and Latin roots, compound words, and homophones.



Electives

BUSINESS COMPUTER INFORMATION SYSTEMS

2 Semesters

BCIS is a high school elective that explores the use of technology applications in both business and personal situations. The course provides key knowledge and skills in communication skills, business technology, word processing applications, spreadsheet applications, database applications, computer networks, operating systems, and more.

ESSENTIALS OF BUSINESS

1 Semester

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 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, as well as the importance of business ethics and corporate citizenship.

TECHNOLOGY & RESEARCH

1 Semester

This semester-long course uses the topic of technology as a way to help students develop fundamental knowledge of the steps in the research process. During the course, students learn how new technology is developed and evaluate ways that technology affects society. Students also learn about the development of the personal computer, robots, blogs, and wikis. Research and writing skills also are emphasized, including how to evaluate scientific journal articles, how to write an abstract, and how and when to use different online sources.

ART HISTORY

2 Semesters

Art History is a year-long elective that enables students to develop knowledge of the history and theory of art and the relationship between artist, artwork, and society. Students research and critique periods, styles, and works of art from early civilizations through modern and contemporary art.

DIGITAL ARTS

1 Semester

Digital Arts is a semester-long elective that provides computer science students with an introduction to graphics programming on computers. To equip students for today's digitally driven lifestyle, this course focuses on using a digital camera and the practical application of digital imaging and editing programs. Additionally, students work with audio-editing programs and examine 3D technology and cinematography.

MEDIA STUDIES

1 Semester

This semester-long course is part of a worldwide educational movement called media literacy. The goal of the media literacy movement is to educate people about how the media impacts both individuals and society as a whole. Students examine media such as magazines, the Internet, video games, and movies and learn the kinds of strategies advertisers use to persuade people to buy products. They also encourage students to examine ways in which media helps shape our culture and the ways in which our culture shapes the media.

MUSIC APPRECIATION

1 Semester

The goal of this course is to provide instruction in basic musical elements, trace the development and growth of classical music, and give students a strong foundation for a greater appreciation of music. Students are introduced to the basic elements and sounds of music and instruments. Students also learn the names and backgrounds of several famous musical composers. In addition, students examine the ways modern music has been influenced by classical music.

MUSIC THEORY

1 Semester

Music Theory is a fine arts elective that does not require prior instrumental, vocal, or music theory study. Using the piano keyboard as a visual basis for comprehension, the course materials explore the nature of music, integrating the concepts of rhythm, meter, interval qualities, and more. This highly interactive course culminates in the students producing original compositions.

FRENCH I

2 Semesters

In French I, students begin to develop competence in the basic skill areas of listening, speaking, reading, and writing. While developing communicative competence in French, students gain and expand their knowledge of French countries and cultures. An emphasis is placed on learning the present tense, the near future and the past tense in French I through thematically designed units. Topics include home, school, family, and holidays, as well as daily and leisure activities.

FRENCH II

2 Semesters

French II builds on and reviews skills and concepts taught in French I through further exposure to communication, cultures, connections, comparisons, and communities. Upon completion of the course, students should be able to use basic French in everyday situations in oral and written communication, listen to and understand passages in French, compare and contrast cultural aspects of French countries to the United States, and more.

SPANISH I

2 Semesters

Spanish I is an entry level high school course that explores the Spanish language through communication, culture, connections, comparisons, and communities. Upon completion of the course, students should be able to use Spanish in everyday situations in a basic manner, compare and contrast cultural aspects of Hispanic countries and the United States, and more.

SPANISH II

2 Semesters

Spanish II is a high school foreign language course that builds upon skills and concepts taught in Spanish I, emphasizing communication, cultures, connections, comparisons, and communities. Course materials support students as they work to gain a basic proficiency in speaking, listening, reading, and writing Spanish, and in cultural competency. This course gives students practice using the mechanics of the Spanish language, acquaints them with the cultural differences of Hispanic countries, and helps them gain a keen awareness of their own culture.

SPANISH III

2 Semesters

Spanish III builds upon skills and concepts taught in Spanish II, emphasizing communication, cultures, connections, comparisons, and communities. Upon completion of the course, students should be able to speak Spanish in everyday situations with other Spanish speakers, demonstrate an understanding of Hispanic countries and their corresponding cultures, and write accurately and appropriately in Spanish to communicate effectively.

CIVICS

1 Semester

Civics gives students an overview of all aspects of U.S. government and what it means to be a U.S. citizen. Students define civics, politics, and government and then explore the basic principles, purposes, and types of government. Students also take a deeper dive into the foundations of U.S. government by examining the Declaration of Independence, U.S. Constitution, Bill of Rights, and other amendments.

THE CIVIL WAR

1 Semester

Civil War embarks on the fascinating history of the Civil War and the story of human choices that linked the past to the present and influenced the future. Analyzing the drama of how one nation changed through times of conflict and cooperation, the course retells the tale of two children (the North and South) living under the same roof (The United States) and how they disagreed over the issues of states' rights and slavery.

PERSONAL AND FAMILY LIVING

1 Semester

This semester-long elective takes students on an interactive exploration of the challenges they may face as they transition into adulthood, including constructive conflict resolution, nutrition and health, building healthy families, financial responsibility, and long-term employment.

PERSONAL FINANCIAL LITERACY

1 Semester

Personal Financial Literacy helps 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.

PSYCHOLOGY

1 Semester

Psychology is an introductory elective for high school students. Throughout the course students examine influences on human actions and beliefs, factors influencing behavior and perception, and basic psychological theories. Students also develop and apply their understanding of psychology through lessons and projects that require interaction and observation of others.

TWENTIETH CENTURY AMERICAN HISTORY

1 Semester

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 examine America's economic, political, governmental, cultural, and technological growing pains during the 20th century. They also consider the causes and effects of national and international cooperation, competition, and conflict.

VIETNAM ERA

1 Semester

Explore one of the most difficult times in U.S. history with Vietnam Era! This elective brings the past to life with video clips, audio files, learning games, and animations. In addition, this one-semester curriculum takes an in-depth look at the factors that led to the Vietnam War, the cold war, the military strategy of the United States, the anti-war movement, the fall of Saigon, and more.

HEALTH EDUCATION

1 Semester

Health Education introduces students to what good health is, why good health is important, and what students should do to achieve good health. Topics covered include different systems in the human body, social and mental health, emergency care, and disease prevention, as well as responsible living regarding pollution, drugs, alcohol, and tobacco.

HEALTH QUEST

1 Semester

Health Quest is an elective 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. The course encourages an awareness of health as it applies to their own bodies, minds, emotions, and their living environments.

PHYSICAL EDUCATION

2 Semesters

Physical Education is a full year elective 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. The second semester requires students to design personal fitness goals and complete exercises using a daily activity log.

PHYSICAL FITNESS

2 Semesters

Physical Fitness is a full year elective designed for high school students. The course focuses on the health benefits of regular physical activity and a long-term exercise program. As students work through the course, they 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. The second semester requires students to design personal fitness goals and complete exercises using a daily activity log.

ESSENTIALS OF COMMUNICATION

1 Semester

This high school elective covers fundamentals 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.

ACT PREP

1 Semester

This elective provides students with introduction and overview to the ACT test, as well as an overview and review of the subtests in English, math, reading, science, and writing. Practice test opportunities also are included.



Career & Technical Education

BUSINESS LAW

1 Semester

This course provides 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 introduced to the types of businesses that can be created to engage in commerce, as well as the contractual and liability considerations that can impact a business. Laws that affect how a business is regulated also are reviewed, particularly the impact of administrative rules and regulations on a business.

CAREER MANAGEMENT

1 Semester

Career Management assists students in their preparation for career selection. The course improves workforce skills needed in all careers, including communication, leadership, teamwork, decision making, goal setting, and time management. Throughout the course, students complete activities that help identify personal interests, aptitudes, and learning styles. An in-depth career research activity is included.

OFFICE 2013 APPLICATIONS I

1 Semester

Office 2013 Applications I is a high school elective that explores the use of application skills in Microsoft® Word®, Publisher®, and PowerPoint® 2013. Students use these applications to design, develop, create, edit, and share business documents, publications, and presentations.

OFFICE 2013 APPLICATIONS II

1 Semester

Office 2013 Applications II is a high school elective course that explores the use of application skills in the 2013 versions of Microsoft® Excel® and Microsoft® Access®. Students use these applications to design, develop, create, edit, and share business spreadsheet and database documents.

PRINCIPLES OF BUSINESS & FINANCE

1 Semester

This course introduces students to the fundamental structure of the American economy, the complexities of the global economy, and the principles, practices, and strategies associated with starting, managing, or simply working for a business. Through a combination of lessons and projects, students trace a trajectory of their potential role in the American economy as consumers, laborers, and executives.

SMALL BUSINESS ENTREPRENEURSHIP

1 Semester

This course provides the skills needed to effectively organize, develop, create, and manage your own business, while exposing you to the challenges, problems, and issues faced by entrepreneurs. Throughout this course, students gain familiarity with the traits and characteristics that are found in successful entrepreneurs and learn how to develop plans for having effective business management and marketing strategies.

TECHNOLOGY & BUSINESS

2 Semesters

Technology and Business is a year-long, high school elective that 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.

INTRODUCTION TO CAREERS IN EDUCATION & TRAINING

1 Semester

This course introduces students to the field of education and training, and the opportunities available for early-childhood care, primary school, secondary school, higher education, vocational training, and adult and continuing education. Throughout the course, 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.

TEACHING & TRAINING CAREERS

1 Semester

This course introduces students to the art and science of teaching with a thorough exploration of pedagogy, curriculum, standards and practices, and the psychological factors shown by research to affect learners. Students are given many opportunities to be the teacher or trainer and to explore the tasks, requirements, teaching strategies, and research-based methods required to be an effective educator.

CAREERS IN ALLIED HEALTH

1 Semester

This course explores the area of health care professions that provide support and care services other than specific doctoring and nurse care. Throughout the course, students focus on select careers that are integral to the health care system, studying a variety of different levels, responsibilities, settings, education needs, and amounts of patient contact.

FORENSICS: USING SCIENCE TO SOLVE A MYSTERY

1 Semester

This course is the overview of modern-day forensic careers that use 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. Of particular interest in this course are the various applications of medicine in the field of forensic science. Projects 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 large murder case.

INTRODUCTION TO CAREERS IN THE HEALTH SCIENCES

1 Semester

This course is an overview of health careers and overriding principles central to all health professions. Topics include science and technology in human health, disease development, ethics in health care, teamwork in the health care environment, and more. Upon completion of the course, students have an understanding of basic concepts that apply to different career choices.

PUBLIC HEALTH: DISCOVERING THE BIG PICTURE IN HEALTH CARE

1 Semester

In this course, students learn the multiple definitions of public health and the ways those definitions are put into practice. The course explores the five core disciplines and the ways that they interact to reduce disease, injury, and death in populations. Behavioral science and emergency preparedness and response also are covered.

SCIENTIFIC DISCOVERY & DEVELOPMENT

1 Semester

This course teaches students about careers in laboratory science while simultaneously instructing them on major concepts in the biological sciences. The comprehensive curriculum includes a history of clinical laboratory science, immunology, the circulatory system, and the blood-bank system. The course also covers the three major areas in bioresearch, including biotechnology, nanotechnology, and pharmaceutical research and development.

THERAPEUTICS: THE ART OF RESTORING & MAINTAINING WELLNESS

1 Semester

This course focuses on careers that help restore and maintain mobility and physical and mental health, such as physical therapists, athletic trainers, massage therapists, dietitians, neurotherapists, vocational rehabilitation counselors, registered dental hygienists, and more. Each career is explored in depth, examining typical job duties, educational and licensure requirements, working conditions, average salary, and job outlook.

FUNDAMENTALS OF COMPUTER SYSTEMS

1 Semester

This course provides students with an understanding of computers and how they operate, as well as a basic understanding of how to manage and maintain computers and computer systems. Students learn to identify hardware devices and their function, operating systems, networking, and security issues. In addition, students learn the basics of customer service and working as a support technician.

FUNDAMENTALS OF DIGITAL MEDIA

1 Semester

This course gives an overview of the different types of digital media and how they are used in the world today. The course reviews the basic concepts for creating effective digital media and introduces a number of different career paths that relate to digital media. Students also review ethics and laws that impact digital media use or creation.

FUNDAMENTALS OF PROGRAMMING & SOFTWARE DEVELOPMENT

1 Semester

This course provides students with an understanding of basic software development concepts and practices, issues affecting the software industry, careers within the software industry, and the skills necessary to perform well in these occupations. Students learn details about core concepts in programming using Java, including writing and debugging code, proper syntax, flow of control, order of operations, comparison operators, program logic tools, and more. Students also learn about web development using HTML and drag-and-drop development of user interfaces in an integrated development environment.

INTRODUCTION TO INFORMATION TECHNOLOGY

1 Semester

This elective allows students to explore a range of career tracks that include network engineers, application and programming developers, and systems analysts. Students also study career paths in depth and discuss typical job responsibilities, educational and licensure requirements, working conditions, and job outlooks. Lessons are structured so students learn and then demonstrate not only critical assessment and analytic skills, but also interpersonal skills that are highly valued among IT employers.

CAREERS IN MARKETING RESEARCH

1 Semester

Discover the trends, opportunities, and challenges of marketing in today's world with Introduction to Careers in Marketing. This elective guides learners through the various careers available in marketing and examines the type of work today's marketers tackle. Topics of study include the marketing process, ethics in marketing, defining a business mission, conducting situational analysis, evaluating performance, consumer behavior, the marketing mix, and technology used within the industry.

CAREER EXPLORATIONS I

1 Semester

This elective gives students an introductory look at four service-related career fields, including health science, hospitality and tourism, human services, and consumer services. Throughout the course, students learn basic employability and problem solving skills while discovering the personal and societal benefits of work. Specific topics of study include the history of health care, the impact of science and technology on health care, the importance of travel and tourism to the economy, the relationship between geographic principles and traveler decisions, and the history and function of human services within society.

CAREER EXPLORATIONS II

1 Semester

Career Explorations II gives students an opportunity to explore various careers involving technical fields from computers to agriculture. Topics of study throughout the semester include computer systems and networks, the use of Internet and mobile technology in business and society, systems design and implementation, the advancement of agriculture to the present day, sustainable agriculture and its impact on society, and careers, concepts, theories, and practical applications related to the STEM field.

CAREER EXPLORATIONS III

1 Semester

This elective explores various careers involving human-related services. Each unit introduces one particular field and explains its past, present, and future. Course topics include the components of establishing a business, the role of marketing within a company, the impact of manufacturing on American society and economy, and the role of transportation, distribution, and logistics in society and the economy. The course also identifies the skills, abilities, and talents needed for careers in architecture and construction.

KEYBOARDING & APPLICATIONS

1 Semester

Keyboarding and Applications is a semester-long elective that teaches students keyboarding skills, technical skills, effective communication skills, and productive work habits. In this course, students gain daily practice of key skills and gain an understanding of computer hardware, operating systems, file management, and the Internet. In addition, students apply their keyboarding skills to create a variety of business documents, including word processing documents and electronic presentations.

PRINCIPLES OF CODING

1 Semester

Discover the fundamental concepts of computer programming with this course. Throughout the semester, students learn how particular programming concepts work and put them into practice using a platform called Scratch. This hands-on course requires a lot of critical thinking as students design, write, and troubleshoot computer programs. By the end of the semester, students gain the skills they need to write programs in Scratch that show a presentation, run a simple video game, run a simulation, and design graphics.

ENGINEERING & DESIGN

1 Semester

Throughout this course, students build real-world problem solving and critical thinking skills as they learn how to innovate and design new products. They also practice refining existing products by reversing the engineering process. Students identify how engineering and design have a direct impact on the sustainability of our environment. In addition, 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.

INTRODUCTION TO STEM

1 Semester

This high school elective introduces students to the four areas of science, technology, engineering, and mathematics through an interdisciplinary approach that develops problem solving skills and explores careers in STEM. Students are introduced to the history, fundamental principles, applications, processes, and concepts of STEM. In addition, students explore some of the great discoveries and innovations in STEM and review and analyze some of the world's problems that still exist today.

