



Course Catalog

ASA is Powered by Calvert Academy Curriculum, U.S. Teachers and Support Services



Calvert ensures your academic success.

Calvert provides proven and time-tested curriculum, with all the tools and support necessary to ensure you are the best teacher your student has ever had.

When you choose Calvert, you can be confident that you have selected the highest quality, accredited education for your child. Since 1906, Calvert has educated more than 600,000 students in all 50 states and more than 90 countries around the world.

ASA is proud to have selected Calvert Academy curriculum, U.S. Teachers and support services to launch our students into boundless opportunities.

Browse our catalog to learn more about how Calvert's great curriculum, programs, tools and support, provide a great educational experience for your students.



ACCREDITATION AND ALIGNMENT TO EDUCATIONAL STANDARDS

Calvert curriculum is accredited and approved by the Middle States Association Commission on Elementary and Secondary Schools and approved by the Maryland State Department of Education. The instructional program is based on the International Association for K-12 Online Learning (iNACOL) standards for online programs.

Calvert regularly reviews all courses and introduces new materials after considering state standards and the standards established by the National Council for Teachers of Mathematics, National Council for Teachers of English, National Council for Teachers of Social Studies, and National Science Teachers Association, as well as the International Society for Technology in Education.



Flexible, Accredited Curriculum and Programs

Curriculum crafted by our academic specialists.
Programs to fit your students' needs.

Calvert's curriculum is proven, time-tested, and well-renowned as the finest homeschool curriculum available today. Our curriculum has been recognized for excellence by educators and parents, and its success dates back to our roots with the prestigious Calvert School in Baltimore, Maryland.

Our inquiry-based method of learning allows students to absorb subject matter and apply knowledge in vibrant, expressive ways. In sharing their own knowledge and techniques with their peers, individual students collaborate in a bright, open world of learning with endless possibilities.

Individual Students, Individual Needs

There are many ways to learn with Calvert. We offer a variety of programs and services to fit your student's needs. From complete grade level curriculum to individual courses, to Calvert Academy online private school and Verticy Learning for students who are struggling with reading, spelling, writing, or math.



Explore Calvert's programs in the pages ahead. Learn more by contacting a Calvert Advisor or visiting our website.



High School

Designed to prepare your student for success in college and beyond,

Calvert's accredited, academically rigorous High School program is reflective of the highest international standards. Whether your student is craving a greater academic challenge, is struggling in a typical high school environment, requires a flexible schedule in order to pursue other interests, or is simply looking for a course or two to supplement their current education, Calvert's High School programs provide students with the tools they need to succeed in college, career, and life.

Our High School curriculum includes a variety of individual courses, allowing students to select classes that support their academic and career goals:

- Advanced math courses include Algebra 1-2, Geometry, and Pre-Calculus
- English courses that cover literary analysis, critical thinking skills, essay-writing and research reports, and comprehensive studies of various styles of prose
- Advanced Science courses covering topics such as Biology, Chemistry, and Physics
- Social Studies courses that include U.S. History, World History, Civics & Government, and Human Geography
- Honors, AP courses, World Languages, Elective courses, and student clubs are also available

Course Format

All Calvert High School courses are presented in an all digital, online format with rich multimedia content from Houghton Mifflin Harcourt including Dr. Burger Math videos, Smart Science Virtual Labs, and Language Labs featuring Rosetta Stone®.

Calvert's High School courses can be purchased for independent study or with additional teacher support from Calvert Academy faculty, who provide grading and transcript services.



Attention Student Athletes:
Calvert Academy offers a selection of high school courses that are approved by the NCAA and can be used for NCAA athletic eligibility.

High School Course Descriptions

H Denotes honors level available

ENGLISH 1 **H**

This course is designed to integrate and engage students using interactive units organized around reading, writing, speaking, and communication skills. Students will study a variety of fictional and nonfictional texts, including novels, short stories, dramas, essays, memoirs, poems, and arguments. Students will examine text craft and structure; elements of literature; arguments and claims supported by textual evidence; power and impact of language; influence of history, culture, and setting on language and meaning; and personal critical and aesthetic responses to texts. Students will learn to express their thoughts by writing for varying purposes, audiences, prompts, and lengths. Students will explore the process of writing while creating formal expository, persuasive, and narrative essays. Students will learn effective listening, speaking, and viewing strategies in multimedia performance presentations. Students will acquire these skills through interactive, as well as traditional, learning exercises as they enhance their study of Language Arts while mastering the technological and research skills necessary in today's academic environment.

ENGLISH 2 **H**

This course is designed to integrate and engage students using interactive units organized around reading, writing, speaking, and communication skills. Students will study a variety of fictional and nonfictional texts from numerous literary periods and traditions, including novels, short stories, dramas, essays, memoirs, poems, and arguments. Students will examine text craft and structure, elements of literature, arguments and claims supported by textual evidence, power and impact of language, influence of history and culture, and personal critical and aesthetic responses to

texts. Students will learn to express their thoughts by writing for varying purposes, audiences, prompts, and lengths. Students will explore the process of writing while creating formal expository, persuasive, and narrative essays. Students will develop research skills while examining new information from different types of sources. Students will learn effective listening, speaking, and viewing strategies in multimedia performance presentations. Students will acquire these skills through interactive, as well as traditional, learning exercises as they enhance their study of Language Arts while mastering the technological skills necessary in today's academic environment.

ENGLISH 3 **H**

English 3 explores the relation between American history and literature from the colonial period through the realism and naturalism eras. English 3 also explores the relation between American history and literature from the modernist period through the contemporary era, and presents learners with relevant cultural and political history. Readings are scaffolded with pre-reading information, interactions, and activities to actively engage learners in the content. The lessons in both semesters focus on developing grammar, vocabulary, speech, and writing skills.

ENGLISH 4 **H**

This course provides a comprehensive look at the evolution of British literature from the Anglo-Saxon period through the Modern Age. The course emphasizes the cultural and historical elements that shape literary movements. Twenty-six of the thirty-four lessons focus on literary analysis, while writing lessons focus on real-world applications, analytical essays, and research papers. Language lessons focus on usage, mechanics, and

critical thinking. All course readings and literary texts are provided online.

ALGEBRA 1 **H**

This course is the foundation for high school mathematics courses. It is the bridge from the concrete to the abstract study of mathematics. The main goal of Algebra 1 is to develop fluency in working with linear equations and provide a formal development of the algebraic skills and concepts necessary for students to succeed in a wide range of advanced math and science courses. Students will extend their experiences with tables, graphs, and equations and solve linear equations, inequalities, and systems of linear equations and inequalities, as well as begin the process of working with polynomials and quadratic relationships. Algebra 1 students will extend their knowledge of the number system to include irrational numbers and generate equivalent expressions and use formulas.

ALGEBRA 2 **H**

A primary goal of Algebra 2 is for students to conceptualize, analyze, and identify relationships among functions. In this course, the basic concepts from Algebra 2 are enriched. Topics include equations and inequalities, linear equations, linear systems and matrices, quadratic functions and factoring, polynomials, exponential and logarithmic functions, rational and radical functions, functional relationships and their graphs, conic sections, counting methods and probability, data analysis and statistics, sequences and series, trigonometric ratios and functions, graphs, and identities. This course also ties together many of the ideas from arithmetic and geometry.

PRECALCULUS **H**

The Precalculus course is designed for students who want to prepare for Calculus. However, the standard Precalculus course is not just a preparation course for Calculus. It stands alone as "real mathematics," and is designed to model real-world scenarios. Topics include trigonometry, vectors, two-variable and multivariable systems of equations and inequalities, matrices, sequences, series, probability, analytic geometry, limits, differentiation and anti-differentiation. This course will help students master everything from sets and functions to derivatives and integrals.

GEOMETRY **H**

Geometry introduces the study of points, segments, triangles, polygons, circles, solid figures, and their associated relationships as a mathematical system. Within this course, students will have the opportunity to make conjectures about geometric situations and prove in a variety of ways, both formal and informal, that their conclusion follows logically from their hypothesis. Geometry is meant to employ an integrated approach to the study of geometric relationships; integrating synthetic, transformational, and coordinate approaches to geometry, students will justify geometric relationships and properties of geometric figures. Students will extend their preexisting experiences with algebra and geometry to trigonometry, coordinate geometry, and probability. The main goal of the Geometry course is for students to develop a Euclidean geometric structure and apply the resulting theorems and formulas to address meaningful problems. Geometry is meant to lead students to an understanding that reasoning and proof are fundamental aspects of mathematics and something that sets it apart from the other sciences. Students will apply basic facts about points, lines, planes, segments and angles.

BIOLOGY **H**

This course investigates the relationship between structure and function from molecules to organisms and systems, the interdependence and interactions of biotic and abiotic components of the environment, and mechanisms that maintain continuity and lead to changes in populations over time. Students explore Biology concepts through an inquiry approach. Embedded standards for Inquiry, Technology & Engineering, and Mathematics are taught in the context of the content standards.

CHEMISTRY **H**

This course investigates the composition of matter and the physical and chemical changes it undergoes. Students will use science process skills to study the fundamental structure of atoms, the way atoms combine to form compounds, and the interactions between matter and energy. Students will also study the states of matter, characteristics of solutions, acids and bases, reactions, and various branches of Chemistry. Students will explore Chemistry concepts through an inquiry-based approach while using skills in mathematics and technology.

PHYSICS **H**

Physics introduces students to the physics of motion, properties of matter, force, heat, vector, light, and sound. Students learn the history of physics from the discoveries of Galileo and Newton to those of contemporary physicists. The course focuses more on explanation than calculation and prepares students for introductory quantitative physics at the college level. Additional areas of discussion include gases and liquids, atoms, electricity, magnetism, and nuclear physics.

ENVIRONMENTAL SCIENCE **H**

This course enables students to develop an understanding of natural environments, man-made environments, and environmental problems the world faces. Students will study the Earth and its ecosystems, populations, and biodiversity. Students will also study human impacts on the environment and how these issues are being managed. Students will explore Environmental Science concepts through an inquiry-based approach while also using skills in Technology and Engineering.

U.S. GOVERNMENT AND CIVICS **H**

(One Term Each)

Students of this course will learn about the most important elements of the United States' community and government, as well as the processes involved within its government. Students will learn about elections, voting, campaigning, financial duties and responsibilities of the government, political and communal organizations, social contracts and the U.S. Constitution, the creation and implementation of laws, legal rights and responsibilities, and the three branches of government. Students will explore the creation, history, and purpose of the social system that makes up citizens' daily lives.

WORLD HISTORY **H**

The purpose of World History is to explore, learn, and understand the variety of cultures, beliefs, and lifestyles that have existed all over the planet from the earliest days of recorded history. This course will connect students to the experiences and cultures of the past in order to gain an understanding of how humans have progressed and adapted to live and prosper on almost every part of the planet today. This course will help students gain an appreciation for past and current cultures, while applying historical methods to important figures, key events, and seminal moments throughout human history.

ADVANCED PLACEMENT HUMAN GEOGRAPHY

The AP Human Geography course is designed to provide students at the high school level a college-level course that will prepare them for the AP exam at the end of the year. The course will examine the basic themes and subjects of a normal geography course while applying these concepts and ideas to specific regions throughout the world and the peoples who live within those regions, and how both interact with one another. In addition, students will take the knowledge that they acquire on various regions and peoples and compare and contrast them in order to gain a better understanding of how humans and their environment relate to one another, both throughout history and within our own current era.

ADVANCED PLACEMENT WORLD HISTORY **H**

World History is a course designed to explore some of the most important developments in history in order to gain an understanding of how culture, technology, and ideas are transmitted from one area to another, and how the modern world exists as an extension of the past. This course will take the concepts learned from prior world history classes and investigate the importance of their occurrences with an analytical approach. Concepts that this class examines are; cultural and technological development, global trade, diplomacy, war, religion, language development, cultural/geographical borders, art, and agriculture. The goal of this class is to introduce students to a college approach to learning as well as to give them a better understanding of how the peoples of this world have interacted with each other to produce our modern world.

U.S. HISTORY **H**

This course develops critical thinking skills by encouraging multiple views as students realized that there are often multiple accounts of a single historical event that may not be entirely consistent. Electronic discussion groups encourage collaboration, and a variety of practice activities are provided, from multiple choice actions to advanced interactions.

SPANISH 1

Spanish 1 has been carefully designed to focus on successful communication through speaking, writing, reading and listening. This course introduces the learner to the beginning level of the Spanish language. It ranges from vocabulary and grammar rules, to literary and cultural activities. After completing the course, students will be able to engage in short conversations in simple, standard situations that convey basics about their personal information and their environment. This course provides students with the tools necessary to understand simple questions and respond to them when other individuals speak slowly and have a familiar accent. Students will be exposed to native speakers of Spanish during the laboratory activities. Students will have the opportunity to engage in authentic language learning through laboratory and live experiences.

SPANISH 2

Spanish 2 builds on and reinforces concepts learned in Spanish 1. Activities range from vocabulary, grammar rules, projects, and cultural and literary activities. After completing this course, students will be able to communicate on a variety of topics including automobiles and other vehicles, describing events that took place in the past, giving a detailed description of objects and people, hobbies and pastimes, vacations, states of mind and emotions, and nature and outdoor activities. Students will be exposed to native speakers of Spanish during the laboratory activities. Learning activities in each unit are focused upon a specific theme.

SPANISH 3

Spanish 3 focuses on successful communication through speaking, writing, reading and listening. It contains vocabulary, grammatical rules, projects, speaking, reading and listening activities as well as cultural and literary pieces. This course introduces and helps the learners to assimilate, in context, the vocabulary and structures most commonly used for ordering at a restaurant, describing accommodations, talking about the weather, organizing a meal, and talking about leisure activities. Upon completion of this course, students will have the tools necessary to understand and elaborate questions, and have the opportunity to practice using appropriate words, expressions, and structures in a number of communicative situations. Learners will be exposed to native speakers of Spanish during the laboratory activities. Learning activities in each unit are focused upon a specific theme.

FRENCH 1

French 1 focuses on successful communication in each of the four components of language: listening, speaking, reading, and writing. This course introduces the learner to the French language through vocabulary, grammar, culture, and literature. Learning activities in each lesson are focused upon a specific theme. Students will be exposed to native speakers of French in the Language Lab activities. Upon completion of the course, students will be able to participate in short exchanges in simple, everyday situations; greet others and introduce oneself; give personal information and information about one's surroundings; give one's age, nationality, and occupation; talk about family and pets; describe oneself and others using physical characteristics and clothing; talk about feelings; talk about daily activities; give the date; situate an object in space; and exchange simple questions and answers with someone who speaks slowly, with a standard accent.

HEALTH

(One Term) taken with Personal Fitness

The course concentrates on the principles of being healthy and focuses on physical development, mental and emotional stress, relationships, substance awareness, social disease awareness, and personal safety. Students develop critical life management skills necessary to make sound decisions and take positive actions for healthy and effective living.

PERSONAL FITNESS

(One Term) taken with Health

This course concentrates on the principles of being fit and includes subjects such as evaluating fitness, flexibility, anatomy and physiology of body systems as they relate to being fit (oxygen transport, heart health, muscle fibers, etc.), nutrition, hydration, and designing a personal fitness program. Students acquire knowledge of physical fitness concepts, understand the influence of lifestyle on health and fitness, and begin to develop an optimal level of fitness.

DIGITAL ARTS

(One Term) taken with Music Appreciation

This course provides students with an introduction to visualization graphics programming on personal computers. The course focuses on using a digital camera and practical application of digital imaging programs. Students learn to place images and how to mock up drawings of three-dimensional spaces.

MUSIC APPRECIATION

(One Term) taken with Digital Arts

Music Appreciation introduces students to the history, theory, and genres of music, from the early music forms through the classical through contemporary. The course explores the interface of music and social movements and examines how the emergent global society and the Internet bring musical forms together in new ways from all around the world.

INTRODUCTION TO INFORMATION TECHNOLOGY

This course is designed to provide an introduction to information technology concepts and careers. Students will explore the impact that modern information technology has on the world, people, and industry. The content includes understanding of basic computer hardware and software, hands-on Microsoft Office training, and integration of core education skills.

WEB DESIGN

This course offers competency-based applied learning to understand the development of web design. Technical knowledge and skills needed to prepare for further education and careers such as web designer are covered. The content includes, but is not limited to web document development, design, promotion, and scripting.

BUSINESS COMMUNICATION

(One Term)

This course teaches students the kind of writing and speaking used in business, from the routine report to the formal report. Students learn to prepare a professional resume and how to have a successful job interview. Focus is also on the legal aspects of writing official communications that touch on people's civil rights.

ESSENTIALS OF BUSINESS

(One Term)

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

PSYCHOLOGY

Through the study of psychology, students acquire an understanding of and an appreciation for human behavior, behavior interaction and the progressive development of individuals. The course examines the nature of psychology as a social and behavioral science. It surveys fundamental areas in behavior including research in psychology, the brain and behavior, learning, human development and socialization, intelligence, personality, health psychology, and social psychology.

MEDIA AND COMMUNICATIONS

The purpose of this course is to analyze forms of media for the purpose of teaching about the tools of manipulation, power of the media, the Internet and related issues, and critical thinking. Media studies will be about empowering students to defend themselves against the power of the media as well as understanding how to utilize the media for the benefit of humanity. Reading, writing, speaking, listening, and viewing competencies are integrated throughout students' learning experiences. Students will also develop and use fundamental writing and language skills for creative expression in a variety of literary forms. Emphasis will be on development of a personal writing style. Students will analyze literary models and engage in peer review techniques.

ETHICS & RESEARCH BASED DECISION MAKING

The purpose of this course is to help students develop the ability to make reasoned and ethical choices when confronted with the many complex, controversial moral dilemmas faced in today's society. Students will become acquainted with the foundations of ethical thought and theories as well as gain an insight into the process of moral development. Students will also identify typical fallacies in flawed moral arguments. Students will also be given the opportunity, both orally and in writing, to apply the skills they acquire to real life moral dilemmas. This multidisciplinary course offers students the ability to choose among research topics as they relate to various fields such as science, history, and literature. The course promotes research skills and students gain the ability to evaluate research claims made in the media, literature and other sources.



CALVERT
EDUCATION



Academic
Excellence



Unparalleled
Support



Passionate
Community

The American School of Angola

www.asangola.com



Downtown Luanda

South Luanda

New Jersey

+244936720946 (AO)

+13479133124 (US)

© 2016 Calvert Education