

BETHESDA CHRISTIAN ACADEMY



HIGH SCHOOL COURSE GUIDE 2022-2023

HIGH SCHOOL COURSES & GRADUATION REQUIREMENTS

Grade 9

Required

Bible I,
English I
World History
Earth/ Physical Science
Math I/ II
Freshman Seminar

Optional

Foreign Languages*

Healthful Living (HS Health/PE)
Public Speaking*
US History from 1877*
World Geography*

Grade 10

Required

Bible II
English II
Civics
Biology
Math II / III

Optional

Foreign Languages*

Healthful Living (HS Health/PE)
Wisdom Literature*
Astronomy*
Health Sciences*
Marine Biology*
Hrs Marine Biology*
Oceanography*
Hrs Oceanography*
Veterinary Science*

Creative Writing*
Journalism*
Mythology and Folklore*
Theology in Real Life*
Art History*
Intro to Psychology*
Modern World History*
Sociology*

GENERAL ELECTIVES

Apologetics*
Intro to Coding*
Intro to Computer Programming*
Intro to Cybersecurity*
MS Office Pro*
Computer Maintenance & Repair*
AP Computer Science*
AP Computer Science Principals*
Survey of Computer Technology*
Concepts of Engineering & Technology*
Criminology*
Digital Photography*
Family & Consumer Science**
Forensic Science 1*
Forensic Science 2*
Hospitality and Tourism*
International Business*
Intro to Military Careers*
Law and Order: Intro to Legal Studies*
Living a Godly Life*
Music Appreciation*
Music Theory*
AP Music Theory*
Network Security*
Physics**
SAT Math & Verbal Prep
Studio Music*
World Religions**

Graduation Requirements

Bible	4
English	4
Math	4
Social Studies	4
Science	3
HS Seminar	1
Foreign Language	2
Electives	4
Total Unit Req'd	26

Explanation of Graduation Requirements:

Bible: 4 credits required, 1 each year

English: 4 credits required, 1 each year

Foreign Language: 2 credits required in same language

Health/PE: 1 credit in Health & PE that includes CPR certification

Math: 4 credits required including Math I, II, III & another aligned with post-graduation requirements (level above Math III required for UNC System Colleges)

Science: credits must be for Earth Science, Biology, and either Physical Science/ Chemistry

Social Studies: 4 credits required including World History, Civics, American History, Economics & Personal Finance

Electives: 4 credits from CTE/ Arts /Core Subject Studies

9th GRADE COURSES

BIBLE I [Required]

DESCRIPTION: This course explores a survey of Christian apologetics through theological and intellectual curriculum objectives. This course provides a strong foundational understanding of the Christian faith to further build and develop the student's biblical worldview. Understanding the Faith from Summit Ministries will be used as the primary tools for this course.

Textbook: Understanding the Faith by Summit Ministries

ENGLISH I [Required]

DESCRIPTION: Introduction to Literature Students will improve skills in literary analysis, criticism, and composition. Students will be exposed to a variety of texts from American and world literature in order to gain skills in analyzing, comparing, and examining fundamental literary concepts and themes. Students will prepare for higher educational opportunities through introduction to the analysis of complex texts, examination of major themes and motives of authors, and a continuous emphasis on developing skills in vocabulary and grammar.

Textbook: Implications of Literature: Explorer Level (TextWord Press, 2000), To Kill a Mockingbird (HarperCollins, 2006), The Strange Case of Dr. Jekyll and Mr. Hyde (Prestwick, 2005), Animal Farm (Signet Classics, 1996)

WORLD HISTORY [Required]

DESCRIPTION: This course covers topics of study including: ancient Mesopotamia, Greece and Rome; Islamic, Asian, and African civilizations; medieval Europe, the Renaissance, the Reformation and the modern European world. Also included is an overview of 20th century's significant events.

Textbook: World History by Bob Jones University

MATH I [ONE MATH IS REQUIRED EACH YEAR]

DESCRIPTION: The students will explore and experience a variety of different concepts of mathematics including linear and nonlinear functions, slope, inequalities, polynomials, and quadratic functions. They will use manipulatives with geometry and graphing. They will work weekly on problem solving adjacent to the unit themes.

Textbook: Reveal Math Algebra 1 McGraw Hill

OR

MATH II [ONE MATH IS REQUIRED EACH YEAR]

DESCRIPTION: The students will explore and experience a variety of different concepts of mathematics including functions, inequalities, systems of equations, quadratic, and polynomials for the first part of the year. For the second part of the year, they will explore geometric concepts including angles, transformations, congruence and proofs. They will use manipulatives with geometry and graphing. They will work weekly on problem solving adjacent to the unit themes.

Textbook: Reveal Math Algebra 2 and Reveal Math Geometry McGraw Hill

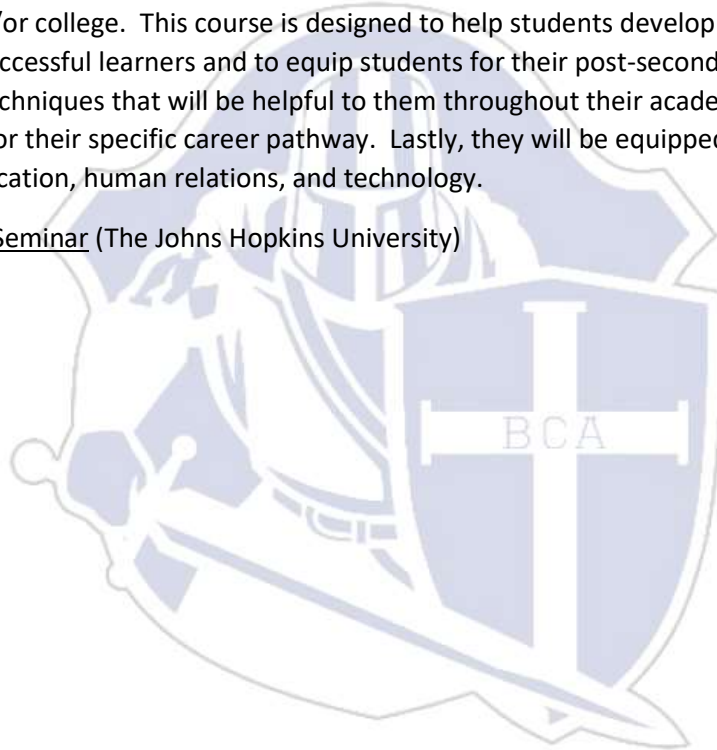
PHYSICAL SCIENCE [Required]

DESCRIPTION: In physical science, students acquire a fundamental knowledge physics and chemistry. We study energy—its source, nature, and uses—and the substances in our world—their composition, properties, and interactions. Physical science includes inquiry-based instruction (scientific method), allowing students to engage in problem solving, decision making, critical thinking, and applied learning. Physical Science at Bethesda Christian Academy will emphasize God’s hand in all of creation, as presented in His Word.

FRESHMAN SEMINAR [REQUIRED DURING HS YEARS]

Description: The purpose of Freshman Seminar is to help students maximize the learning process and prepare them for careers and/or college. This course is designed to help students develop and use study skills that will help them become successful learners and to equip students for their post-secondary success. Students will learn various study techniques that will be helpful to them throughout their academic years. They will also begin to plan and prepare for their specific career pathway. Lastly, they will be equipped with various life skills, such as effective communication, human relations, and technology.

Textbook: Freshman Seminar (The Johns Hopkins University)



9th GRADE ELECTIVES

PUBLIC SPEAKING [ONLINE*]

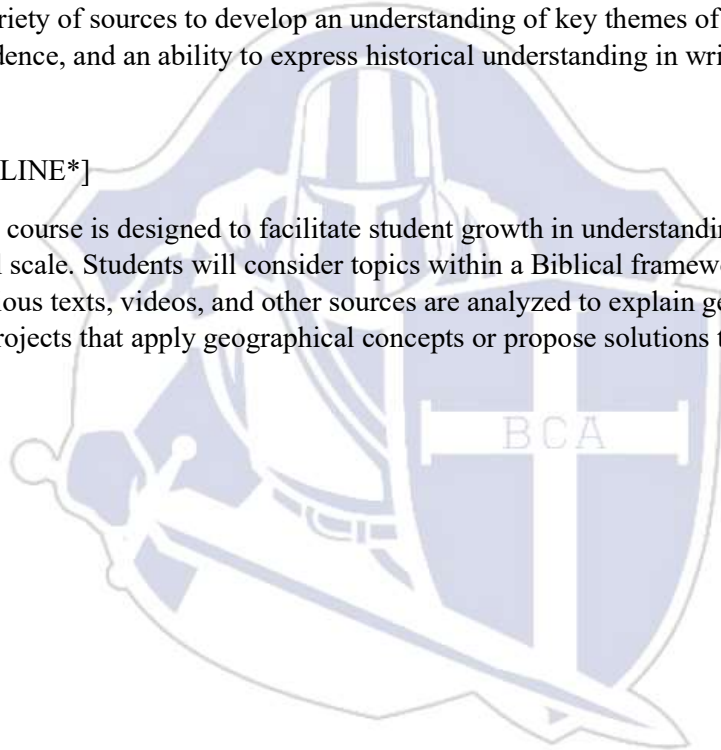
DESCRIPTION: This course examines the art of public speaking, a foundation of Western society in both Aristotle and Cicero's views of rhetoric, and then traces those foundations into the modern world. Students will learn not just the theory, but also the practice of effective public speaking, including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

US HISTORY FROM 1877 [ONLINE*]

DESCRIPTION: This course covers the history of the United States from the end of the period of the Civil War and Reconstruction to the present day. Emphasis is placed on the Christian foundation of the United States. Students will use a variety of sources to develop an understanding of key themes of history, an ability to read and analyze historical evidence, and an ability to express historical understanding in writing.

WORLD GEOGRAPHY [ONLINE*]

DESCRIPTION: This course is designed to facilitate student growth in understanding physical and human geography on a global scale. Students will consider topics within a Biblical framework that encompasses salvation history. Various texts, videos, and other sources are analyzed to explain geographical phenomena. Students will create projects that apply geographical concepts or propose solutions to problems in geography.



10th GRADE COURSES

BIBLE II [Required]

DESCRIPTION: This course yields an in-depth study of worldviews through theological and intellectual curriculum objectives. This course provides a foundational understanding of how to identify and counter opposing worldviews in defense of and through articulation surrounding the student's biblical worldview. Understanding the Times from Summit Ministries will be used as the primary tools for this course.

Textbook: Understanding the Faith by Summit Ministries

ENGLISH II [ONE ENGLISH IS REQUIRED EACH YEAR]

DESCRIPTION: Students will be exposed to an array of literature, extending from the ancient periods to the modern era. Students will examine the works of authors from around the globe in context of culture, language, and common or unique social themes. Students will develop critical thinking skills through the analysis of literature, the examination of cultural influence on significant texts, the comprehension and application of research materials, and the connection of concepts, styles, and values from different places and eras. We will maintain a continuous emphasis on developing skills in research, composition, oral communication, vocabulary, and grammar.

Textbook: Elements of Literature: World Literature (Holt, 2006), The Sea of Monsters (Disney-Hyperion, 2007), Julius Caesar (Prestwick, 2005), Night (Hill and Wang, 2006), Cry, the Beloved Country (Simon and Schuster, 1987), The Odyssey (Prestwick, 2006), The Screwtape Letters (HarperOne, 2015).

OR

HONORS ENGLISH II [ONE ENGLISH IS REQUIRED EACH YEAR]

DESCRIPTION: This course covers the same material listed in English I. Students will be expected to be more independent workers with more in-depth and complex projects, papers, and expectations.

MATH II [ONE MATH IS REQUIRED EACH YEAR]

DESCRIPTION: The students will explore and experience a variety of different concepts of mathematics including functions, inequalities, systems of equations, quadratic, and polynomials for the first part of the year. For the second part of the year, they will explore geometric concepts including angles, transformations, congruence, and proofs. They will use manipulatives with geometry and graphing. They will work weekly on problem solving adjacent to the unit themes.

Textbook: Reveal Math Algebra 2 and Reveal Math Geometry, McGraw Hill

OR

HONORS MATH III [ONE MATH IS REQUIRED EACH YEAR]

DESCRIPTION: The course includes a review and extension of many topics of Algebra I. It also includes complex numbers, quadratic equations, functions, logarithms, graphing quadratics, rational expressions, and linear equations. The honors course will introduce trigonometry, probability, and statistics and conics.

Textbook: Reveal Math Algebra 2 and Reveal Math Geometry, McGraw Hill

BIOLOGY [ONE BIOLOGY CLASS IS REQUIRED THIS YEAR]

DESCRIPTION: Biology Touching on such areas as botany, zoology, cell biology and genetics, Biology class seeks to strengthen the faith of the student through the recognition of God in the creation of all life and to equip them to critically examine the various interpretations of scientific observation through a biblical lens. A number

OR

HONORS BIOLOGY [ONE BIOLOGY CLASS IS REQUIRED THIS YEAR]

DESCRIPTION: This course covers the same material listed in Biology. Students will be expected to be more independent workers with more in-depth and complex projects, papers, and expectations.

CIVICS [ONE SS CLASS IS REQUIRED EACH YEAR]

DESCRIPTION: This course covers the historic and Christian foundations of American government, the structure and function of federal and state government, the nature of the American political system, and the rights and responsibilities of American citizens. Students will examine and evaluate contemporary national and international issues and events in light of the Constitution and democratic principles.

Textbook: American History, Combined Edition 1492 – present by Thomas Kidd

OR

HONORS CIVICS [ONE SS CLASS IS REQUIRED EACH YEAR]

DESCRIPTION: This course covers the same material listed in Civics. Students will be expected to be more independent workers with more in-depth and complex projects, papers, and expectations.

FOREIGN LANGUAGES

AMERICAN SIGN LANGUAGE 1 [ONLINE*]

DESCRIPTION: This course will jump start your American Sign Language journey by learning the basics of this visual language and exploring the Deaf culture. Get ready to broaden your concept of communication through connections and comparisons to your own culture and community.

AMERICAN SIGN LANGUAGE 2 [ONLINE*]

DESCRIPTION: This course will reinforce the fundamental skills acquired in your American Sign Language 1 course. You will continue your journey by increasing your interpretive and communication skills of this visual language while continuing to explore the Deaf culture. Get ready to broaden your concept of communication through connections and comparisons to your own culture and community.

SPECIAL NOTES: Student video submissions are required.

CHINESE 1 [ONLINE*]

DESCRIPTION: Come and join various native speakers of Mandarin Chinese as they give you a lively introduction to the language and its rich culture. Join them in their everyday environment as they take you through different daily scenarios and give you the necessary skills to read, write and speak Chinese. In this course you will learn the basic Chinese language. After one semester, you will be able to engage in conversation in Chinese including greeting people, introducing yourself to others, and exchanging basic information with others. You will be able to count from 1 to 1000 and make simple sentences in both spoken and written Chinese. You will also learn 160 “magical” Chinese characters and use them on a variety of topics. As you walk through the units with us step by step, you will get to know not only the language itself, but also the culture where the language takes place and keeps developing. At the very beginning, we will start by introducing you to a general knowledge of Pinyin, Mandarin Chinese, Chinese dialects, and Chinese characters.

CHINESE 2 [ONLINE*]

DESCRIPTION: Chinese 2 enables the students to further develop the communication skills of listening, speaking, reading and writing of Mandarin Chinese at a more advanced level. Students are immersed in Chinese culture as virtual exchange students in China. Virtual excursions from one Chinese city to another expand their vocabulary, helping them learn to interact with others and use appropriate terms to communicate in various everyday situations.

LATIN 1 [ONLINE*]

DESCRIPTION: Since mastering a classical language presents different challenges from learning a spoken world language, students learn Latin through ancient, time-honored, classical language approaches which include repetition, parsing, written composition, and listening exercises. These techniques, combined with a modern multimedia approach to learning grammar, syntax, and vocabulary, provide students with a strong foundation for learning Latin. Each unit consists of a new vocabulary theme and grammar concept, reading comprehension activities, writing activities, multimedia culture, history, and mythology presentations, and interactive activities and practices which reinforce vocabulary and grammar. There is a strong emphasis on engaging with authentic

classical Latin through weekly encounters with ancient passages from such prestigious authors as Virgil, Ovid, and Lucretius. The curriculum concurs with the Cambridge school of Latin; therefore, students will learn ancient high classical styles of pronunciation and grammar in lieu of generally less sophisticated medieval styles, making it possible for students to comprehend the most Latin from the widest range of time periods. Students should expect to be actively engaged in their own language learning, become familiar with common vocabulary terms and phrases, comprehend a wide range of grammar patterns, understand, and analyze the cultural and historical contexts of the ancient sources they study, and take frequent assessments where their language progression can be monitored. The course has been carefully aligned to national standards as set forth by ACTFL (the American Council on the Teaching of Foreign Languages).

CHINESE 2 [ONLINE*]

DESCRIPTION: Chinese 2 enables the students to further develop the communication skills of listening, speaking, reading and writing of Mandarin Chinese at a more advanced level. Students are immersed in Chinese culture as virtual exchange students in China. Virtual excursions from one Chinese city to another expand their vocabulary, helping them learn to interact with others and use appropriate terms to communicate in various everyday situations.

CHINESE 3 [ONLINE*]

DESCRIPTION: In Chinese 3, the students will continue to expand their abilities in various aspects of Chinese Mandarin learning. They will continue to build up their knowledge in vocabulary, sentence patterns, and grammar points in communicative contexts. They will also enhance their Chinese Mandarin listening and speaking skills such as pronunciations and intonations. The students will learn more in-depth Chinese reading and writing strategies and skills. Their Chinese reading abilities and efficiency will be greatly improved and they will be able to write in Chinese in various formats such as journal, letter, invitation, and essay. The students' knowledge and skills in writing simplified Chinese characters will also be enriched and fortified.

LATIN 2 [ONLINE*]

DESCRIPTION: Students continue with their study of Latin through ancient, time-honored, classical language approaches which include repetition, parsing, written composition, and listening exercises. These techniques, combined with a modern multimedia approach to learning grammar, syntax, and vocabulary, prepare students for a deeper study of Latin. Each unit consists of a new vocabulary theme and grammar concept, reading comprehension activities, writing activities, multimedia culture, history, and mythology presentations, and interactive activities and practices which reinforce vocabulary and grammar. The emphasis is on reading Latin through engaging with myths from the ancient world which are presented in Latin. The curriculum concurs with the Cambridge school of Latin; therefore, students will learn ancient high classical styles of pronunciation and grammar in lieu of generally less sophisticated medieval styles, making it possible for students to comprehend the most Latin from the widest range of time periods. Students should expect to be actively engaged in their own language learning, understand and use common vocabulary terms and phrases, comprehend a wide range of grammar patterns, understand and analyze the cultural and historical contexts of the ancient sources they study, and take frequent assessments where their language progression can be monitored. The course has been carefully aligned to national standards as set forth by ACTFL (the American Council on the Teaching of Foreign Languages).

FRENCH 1 [ONLINE*]

DESCRIPTION: In this course, students are given a lively introduction to the French language and its rich culture. They join native speakers in their everyday environment as they are taken through different daily scenarios in order to gain the necessary skills to read, write and speak French. Students will be able to engage in conversation in French, including greeting people, introducing themselves, and exchanging basic information with others. Students will be able to count from 1 to 1000 and make simple sentences in both spoken and written French. New words and phrases will be introduced with pictures, audio clips, and examples. Students will learn basic French grammar to help them build their fluency and understand the structure of the French language. There will be many opportunities to use what they learn through interactive practice activities, written practice, listening, and speaking exercises. Students will also explore the cultures of France, Canada, and other French-speaking countries by learning about geography, foods, celebrations, and traditions from each place.

FRENCH 2 [ONLINE*]

DESCRIPTION: In French 2, students are immersed in the French language and culture through engaging and interactive videos, dialogues, presentations, self-checks, and more. The purpose of this course is to further develop the French communication skills of listening, speaking, reading, and writing. Students will broaden their French vocabulary and knowledge of grammar. Students will also experience the beauty and expressiveness of a language that is shared by different people and cultures throughout the world.

SPANISH 1 [ONLINE*]

DESCRIPTION: Immerse yourself in the beauty of the Spanish language and the richness of its diverse cultures. In the Spanish I course, students will learn basic grammar and vocabulary skills to help build fluency and language proficiency. Students will explore the culture of Spanish-speaking countries through engaging interactive games, videos, and audio recordings and apply what they learn through written practice, listening, and speaking exercises.

SPANISH 2 [ONLINE*]

DESCRIPTION: Get ready to embark on the next part of your journey to Spanish fluency. In the Spanish 2 course, you will continue building your listening, speaking, reading, and writing skills as well as increasing your cultural awareness of Spanish-speaking countries through audio recordings, engaging images, interactive games, readings, and videos. Apply what you learn through written practices and listening and speaking exercises. Take your Spanish language skills to the next level!

SPANISH 3 [ONLINE*]

DESCRIPTION: Dive into the rich diversity of Hispanic culture across the globe by exploring the tastes, sights, and sounds of this dynamic language that reflects triumph, struggle, celebration, and so much more. During this cultural journey, students will improve conversational, vocabulary, and writing skills through authentic tasks. Short of obtaining a passport, there is no better way to discover new lands, peoples, or experiences. Take your Spanish language abilities to the next level!

10th GRADE ELECTIVES

ART HISTORY [ONLINE*]

DESCRIPTION: Students will navigate several periods of history in order to explore the connections between art and history. Students will engage historic artworks through creating detailed descriptions, thoughtful analysis, and considering historical context. Unit Projects will allow students to demonstrate learning and skills needed for engaging in historical inquiry. Students will analyze artwork, research artists, evaluate the social context which influenced art movements, and create a project that uses art as a mode of communication.

SPECIAL NOTES:

While we understand the necessity for a promote the use of modesty in all courses, the avoidance of unclothed figures is not possible in the comprehensive study of art as the study of “the nude” dates to ancient times. Throughout this course, students will study historical works of art, many of which include nude figures. An example of a nude figure students will encounter is Michelangelo’s Statue of David. As stated, we strive to choose pieces of artwork for study with the utmost attention to Christian values regarding modesty and practice wisdom and discretion through the selection process. Even so, the inclusion of nude figures in this course is unavoidable.

ASTRONOMY [ONLINE*]

DESCRIPTION: Since creation, humans have been fascinated with the stars, planets, and the universe that surrounds us. This course introduces students to the study of astronomy, including its history and development, basic scientific laws of motion and gravity, the concepts of modern astronomy, and the methods used by astronomers. Using online tools, students will examine the life of stars, the properties of planets, and the exploration of space.

CREATIVE WRITING [ONLINE*]

DESCRIPTION: The Creative Writing course is for any student who enjoys turning creative thinking into stories, characters, and experiences to share with others. Students will examine what makes a great character, and then practice skills to produce original characters, storylines and descriptions. Students will discover the techniques involved in writing poetry, creating scripts for advertisements, and in producing effective non-fiction pieces. Major projects include: Original Stories, Original Poetry Portfolio, Original Non-Fiction, Original Drama, and Original Parody.

HEALTH SCIENCES: THE WHOLE INDIVIDUAL [ONLINE*]

DESCRIPTION: We know the world is filled with different health problems and finding effective solutions is one of our greatest challenges. Globally, we face new viruses and diseases. Providing a healthcare delivery system to meet dynamic changes is of paramount importance. This course equips students with knowledge to help address these challenges. Introduction to different health science disciplines, will enlighten students to explore career fields that are challenging, interesting, and rewarding. In this course, students will examine various fields within health sciences, including pharmaceutical services, clinical medicine, and biotechnology. Student will explore the importance of diagnostics and research in the identification and treatment of diseases. The course presents information and terminology for the health sciences and examines the contributions of different health science

areas. Understanding the different stages of the human life span, how vital signs are measured, and the aspects of preventative medicine are just a few of the topics that will stimulate student interest. Upon completion of this course you will have a firm grip on the major health issues facing the world, and you will be able to recognize them as they move through your life.

HONORS MARINE BIOLOGY [ONLINE*]

DESCRIPTION: The oceans are vast and filled with beauty, mystery, and millions of strange and amazingly adapted creatures. In this course, students will explore the living wonders of our oceans. Through videos, projects, virtual “field trips” and a student created marine biology notebook, students will gain a deeper understanding of the complexity of creation. This is a single semester honors course with a lab component that will be met through several lab simulations, virtual dissections, and student-led research.

INTRODUCTION TO PSYCHOLOGY [ONLINE*]

DESCRIPTION: This course offers students a unique opportunity to compare Christian and humanistic perspectives of the field of psychology, and to consider major topics through the lens of a Biblical Worldview. Major topics include past and current theories of human behavior, contributions of knowledge by major psychologists, research ethics, child and adolescent development, the process of aging, brain anatomy and the human nervous system, sensation and perception, learning and memory, social behavior, and sleeping patterns and disorders.

JOURNALISM: INVESTIGATING THE TRUTH [ONLINE*]

DESCRIPTION: If you want to turn your writing, photography, and collaborative skills into an exciting and rewarding career, Journalism: Investigating the Truth is where to begin. Learn how to write a lead that grabs your readers, discover the roles of sources and how to interview them effectively, and explore the best options for researching your story in a digital world. You will also understand the role editors and producers play in the revision process, learn how to prepare your posts for publication, and learn how to follow the publication process – from the flow of a workday to the layout of a newspaper or a news broadcast.

MARINE BIOLOGY [ONLINE*]

DESCRIPTION: The oceans are vast, filled with beauty, mystery and millions of strange and amazingly adapted creatures. In Marine Biology students will dive into this fascinating world. Marine Biology will focus on the organisms that live within and around our great oceans. God delegated authority to mankind to have dominion over the animals. In the course, students will learn how to be responsible stewards and help preserve His amazing creatures for future generations. Emphasis will be on examining how the various types of organisms are specifically created with adaptations that allow them to thrive in marine ecosystems. Students will work through this course by creating their own student notebook which they will build on within each week.

MODERN WORLD HISTORY [ONLINE*]

DESCRIPTION: This course allows students to gain an understanding of world events from the Age of Absolutism to the present day. Students will identify basic themes in modern world history, understand the causes and effects of major events, get to know key leaders and nations and their impact on modern history, recognize the formation and development of democracy as a primary ruling system, assess the causes of nations' rise to and fall from power, and recognize the impact religious beliefs have on a nation's governing system.

MYTHOLOGY AND FOLKLORE [ONLINE*]

DESCRIPTION: Historically, mythology and folklore have been used to make sense of humankind and our world. Discussing these works from a Christian worldview perspective, students will begin with an overview of mythology and different kinds of folklore, and journey with ancient heroes as they slay dragons, outwit gods, follow fearless warriors into battle, and watch clever monsters outwit those stronger than themselves. Stories will range from ancient Egyptian and Greek mythology to King Arthur, Joan of Arc, the dragons of Slovenia, and Fawcett's mysterious journey to lost cities of the Amazon.

OCEANOGRAPHY [ONLINE*]

DESCRIPTION: From the very beginning the foundations for our oceans were set forth when, on the third day of creation, the waters under the heavens were gathered into one place which God called Seas (Genesis 1:9-10). Centuries later, at the Flood, He again covered the land with water, until the fountains of the deep were closed and the water receded steadily from the earth. As the fountains closed, the ocean floor sank, forming new and much deeper ocean basins, permitting the continents to drain and emerge from the waters. Today's oceans eloquently testify to God's creative power, His judgment at the Flood, and His provision today. In this class, we will set a course to learn more about our magnificent oceans.

Oceanography is the study of our oceans, including the physical, chemical and biological features. In this course we will mostly examine the physical and chemical aspects of the oceans.

While there is no doubt that the wonders of the ocean make it fascinating to study, there are many practical reasons as well to chart a course through oceanography. Our oceans are one of God's greatest gifts to the human population. It is a source of food, a source of medicine, a source of entertainment, and a source of human wealth.

The oceans are an amazing gift, but they are also untamed and powerful which can cause issues. Tsunamis, earthquakes, floods, and other disasters have wreaked havoc on our civilizations both past and present.

By choosing to study oceanography you are taking the first step to make full and wise use of the sea, to address the issues that the oceans sometimes create, and protect the gifts of the ocean by predicting and responding to the effects of human activities.

OCEANOGRAPHY HONORS [ONLINE*]

DESCRIPTION: From the very beginning the foundations for our oceans were set forth when, on the third day of creation, the waters under the heavens were gathered into one place which God called Seas (Genesis 1:9-10). Centuries later, at the Flood, He again covered the land with water, until the fountains of the deep were closed and the water receded steadily from the earth. As the fountains closed, the ocean floor sank, forming new and much deeper ocean basins, permitting the continents to drain and emerge from the waters. Today's oceans eloquently

testify to God's creative power, His judgment at the Flood, and His provision today. In this class, we will set a course to learn more about our magnificent oceans.

Oceanography Honors is the study of our oceans, including the physical, chemical and biological features. In this course we will mostly examine the physical and chemical aspects of the oceans. This is an honors course and will also incorporate and count as a lab science.

While there is no doubt that the wonders of the ocean make it fascinating to study, there are many practical reasons as well to chart a course through oceanography. Our oceans are one of God's greatest gifts to the human population. It is a source of food, a source of medicine, a source of entertainment, and a source of human wealth.

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PEPI (Physical Education Pupil Instruction)

DESCRIPTION: This course is designed to teach students how to lead physical education classes for elementary grade students. Students will learn how to write effective lesson plans, provide instruction, do peer evaluations, and prevent and treat injuries. These students will be placed as the leader in front of other students and will be required to use that responsibility to be a witness for Christ to all others.

SOCIOLOGY: THE STUDY OF HUMAN PROBLEMS [ONLINE*]

DESCRIPTION: This course offers students a unique opportunity to compare Christian and humanistic perspectives of the field of sociology (the scientific study of society), and to consider major topics through the lens of a Biblical Worldview. Students will examine social problems in our increasingly connected world and learn how human relationships can influence their lives. The course considers how, in a complex world, beliefs, values, and behavior affect people in different social and cultural contexts. Major topics include culture, socialization, social structure and group behavior, deviance and crime, social stratification and class, race and ethnicity and gender.

SOCIOLOGY: YOUR SOCIAL LIFE [ONLINE*]

DESCRIPTION: This course offers students a unique opportunity to compare Christian and humanistic perspectives of the field of sociology (the scientific study of society), and to consider major topics through the lens of a Biblical Worldview. Students will examine how society shapes human actions and beliefs, and how human actions and beliefs in turn shape society. Major topics include marriage and family, religion and education, the economy and politics, sports and entertainment, population and the environment, cities and urban life, collective behavior and social movements, and social change.

SPECIAL NOTES: Sociology 200 (SOCE200) and Sociology 210 (SOCE210) can be taken at the same time, or at different times in any order. Neither course is a prerequisite for the other, however, if students are planning to take both sociology courses in different semesters, it is slightly encouraged that SOCE200 be taken first in order to help establish an over-arching view of the field.

THEOLOGY IN REAL LIFE [ONLINE*]

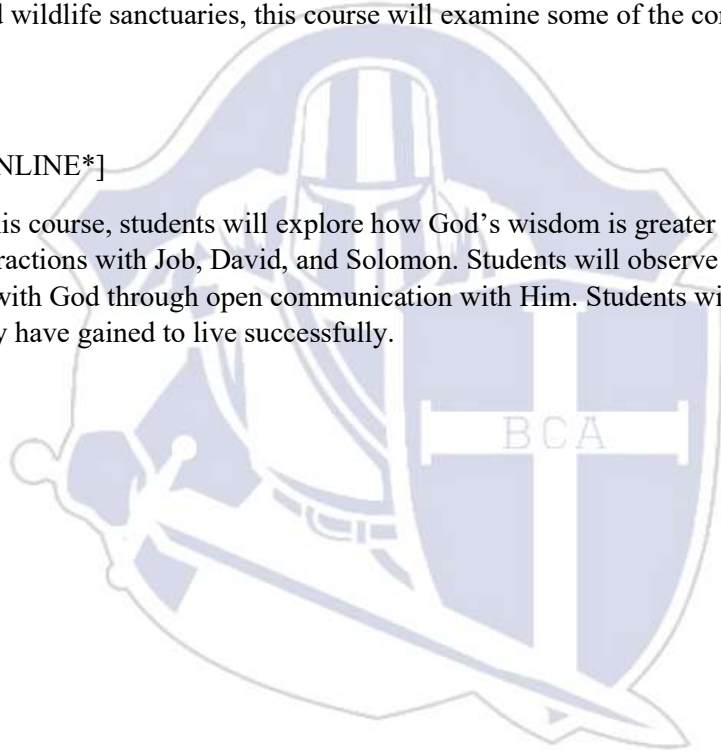
DESCRIPTION: This is a one-year course that introduces fundamental doctrines of the Christian faith in a topical, or systematic, format. Students engage with the Bible as the foundation of belief. From that, students develop an understanding of essential doctrines of the faith. Students are challenged to see the overarching themes found across Scripture. Units include the Bible, the nature and attributes of God, creation and humanity, the nature and work of Jesus, redemption and its application, the church, doctrines concerning the future, and practical application of doctrine to real life. The course aims to see students understand the doctrines of the Bible and connect how they apply to everyday life.

VETERINARY SCIENCE: THE CARE OF ANIMALS [ONLINE*]

DESCRIPTION: As animals play an important role in our lives, scientists have sought to learn more about their health and well-being. Looking at the animals that live in our homes as pets, on our farms as livestock, and those that reside in zoos and wildlife sanctuaries, this course will examine some of the common diseases and treatments for animals.

WISDOM LITERATURE [ONLINE*]

DESCRIPTION: In this course, students will explore how God's wisdom is greater than their own through examining God's interactions with Job, David, and Solomon. Students will observe how David develops an intimate relationship with God through open communication with Him. Students will have the opportunity to apply the wisdom they have gained to live successfully.



GENERAL ELECTIVES FOR ALL GRADES

APOLOGETICS [ONLINE**]

DESCRIPTION: In this course, students will be challenged to consider many of the most difficult questions regarding Christianity and to make a decision about Jesus Christ. Topics to be covered include but are not limited to: An introduction to apologetics, Miracles, The definition and importance of truth, The existence of God and the authenticity of Scripture, The historicity of Jesus and His bodily resurrection, The problem of evil.

INTRODUCTION TO CODING [ONLINE*]

DESCRIPTION: In this course, students learn about the influence of computers on their daily life, the purpose of programming languages, and how computers function. Students experiment with Python to explore algorithms, syntax, and data structures, while putting the software development cycle into practice by starting to plan and develop their own app in the Capstone Project.

INTRODUCTION TO COMPUTER PROGRAMMING [ONLINE*]

DESCRIPTION: This introductory course is designed for the student who has no prior background knowledge in computer programming. Students will understand computer history, computer logic, programming strategies, algorithms and code development. Students will use the Python and Java programming languages as a context for all programming instruction and coding/compiling. At the end of the year, student will receive a brief introduction into HTML and CSS.

SPECIAL NOTES: Java must be installed for successful completion of this course. Chromebooks are not compatible with this course.

COMPUTER MAINTENANCE AND REPAIR [ONLINE*]

DESCRIPTION: This class is designed to get the student “inside” a personal computer and understand how it really works, how to maintain it, and how to troubleshoot and repair it. Not only will you learn how to work with the hardware that physically makes up a personal computer, but you will also understand and learn to work with the major operating system software products that control the hardware of the computer. Ultimately you will cover all the material necessary to be prepared to take the nationally recognized **CompTIA A+ certification test**, the cost for which is not included in the tuition cost for this class.

SPECIAL NOTES: Students need a computer running Windows 98SE, Windows 2000 or Windows XP with CD or DVD player. Although hands-on repair work is not required to successfully complete the course, the author recommends working on actual computers during the course. The instructor recommends examining and working with a Pentium class or newer “scrap” computer.

AP COMPUTER SCIENCE – A [ONLINE*]

DESCRIPTION: This course teaches programming in JAVA, while preparing the student for the Advanced Placement® exam. The course looks at Object-Oriented Programming principles using the Java language. Topics covered include computer logic, programming strategies, algorithms, and code development.

SPECIAL NOTES: If you are planning to take the AP® exam associated with this course, then be aware that beginning in Fall 2019 the College Board requires that all students register in October of each school year to take the exam which is held in early May. You must make your decision early. There are penalties associated with late registration and with registering and then deciding not to take the exam later. Please plan accordingly. For more information or if you have more questions, please visit <https://apcentral.collegeboard.org> . Once on the site, search Home-Schooled Students to find information on locating testing locations near you.

We are a certified AP course provider. Students must locate a face-to-face school in their local area that will allow them to sit the exam with their students. This version of the course is not Dual Credit eligible.

AP COMPUTER SCIENCE PRINCIPLES [ONLINE*]

DESCRIPTION: This course introduces the foundations of modern computing, while preparing the student for the Advanced Placement® Computer Science Principles exam. The course looks at a broad range of foundational topics including programming, algorithms, the Internet, big data, digital privacy and security, and the societal impacts of computing.

SPECIAL NOTES: If you are planning to take the AP® exam associated with this course, then be aware that beginning in Fall 2019 the College Board requires that all students register in October of each school year to take the exam which is held in early May. You must make your decision early. There are penalties associated with late registration and with registering and then deciding not to take the exam later. Please plan accordingly. For more information or if you have more questions, please visit <https://apcentral.collegeboard.org> . Once on the site, search Home-Schooled Students to find information on locating testing locations near you.

We are a certified AP course provider. Students must locate a face-to-face school in their local area that will allow them to sit the exam with their students.

This version of the course is not Dual Credit eligible.

SURVEY OF COMPUTER TECHNOLOGY [ONLINE*]

DESCRIPTION: The course is designed for students who are interested in information technology but have limited technical knowledge of computing systems. Students learn foundational concepts related to computer hardware and software, networking, databases, programming, information systems, and data security. The course includes several hands-on labs to reinforce the concepts students are learning. It covers all objectives necessary to pass the CompTIA IT Fundamentals (FC0-U61) exam.

INTRODUCTION TO CYBERSECURITY [ONLINE*]

DESCRIPTION: In this course, students learn about the various parts of the computer, how they work together, and how they can manipulate them to keep data safe. Students are introduced to the tools, technologies, and methods that will help protect them from an attack and discover the many opportunities in the rapidly growing field of cybersecurity.

CONCEPTS OF ENGINEERING AND TECHNOLOGY [ONLINE*]

DESCRIPTION: In this course, students learn how the momentum of science is continually propelling engineers in new directions towards a future full of insight and opportunity. This course explores the different branches of engineering and how problem-solving, sketching, collaborating, and experimenting can change the very fiber of human lives. This ever-increasing knowledge can also lead to serious ethical dilemmas and the need to discuss where the boundaries of science lie (or even if there should be boundaries). Students examine astounding engineering feats and complex ongoing issues.

CRIMINOLOGY [ONLINE*]

DESCRIPTION: This course examines criminology, the study of crime. Students will investigate the following questions: Why do some individuals commit crimes and others do not? What aspects in our culture and society promote deviance? Why do punishments vary for the same crime? What factors, from arrest to punishment, shape the criminal case process?

DIGITAL PHOTOGRAPHY [ONLINE*]

DESCRIPTION: Students in this course will be challenged to think about how they view the world around them and what God's standards of beauty include. Students will spend time with their camera in their hands developing skills in using camera settings to achieve desired effects in their black and white images. Students will begin to understand and apply elements of composition and design in their photographs. Students will analyze and critique images and create two portfolios to showcase their work. Students will also investigate significant developments in the history of photography.

SPECIAL NOTES: A stable Internet connection is needed for this class for sizable uploads and downloads. Digital cameras are required. An iPhone is not an acceptable camera for this course; students must have access to a digital camera – an SLR or a point-and-shoot. This course can be taken to satisfy the graduation requirement in Fine Art.

FAMILY & CONSUMER SCIENCE [ONLINE**]

The Family and Consumer Science course is designed to establish foundational skills and to provide the student with a basic understanding of the major aspects of family life using a multidimensional approach. Units include instruction for successful living while analyzing basic proficiency levels in: Child development, Clothing, Family living, Fashion and textiles, Food and nutritional fitness, Interior design, International cuisine, and Relationships.

In addition, students will learn about life skills such as college financial aid, financial investments, and living on their own. The first semester focuses on culinary arts while the second semester focuses on living skills, all presented from a biblical perspective.

FORENSIC SCIENCE 1 [ONLINE*]

DESCRIPTION: In this course, students will learn how law enforcement uses techniques such as fingerprints, blood spatter, and DNA analysis to better understand the crimes that are committed and to apprehend those responsible for the crimes. This course will cover the usage of some of these techniques as they relate to the investigation of crime scenes.

FORENSIC SCIENCE 2 [ONLINE*]

DESCRIPTION: Although the crime scene represents the first step in solving crimes through forensic science, the crime laboratory plays a critical role in the analysis of evidence. This course focuses on the analysis of evidence and testing that takes place within this setting. We will examine some of the basic scientific principles and knowledge that guides forensic laboratory processes, such as those testing DNA, toxicology, and material analysis. Techniques such as microscopy, chromatography, odontology, entomology, mineralogy, and spectroscopy will be examined

FRESHMAN SEMINAR [REQUIRED DURING HS YEARS]

DESCRIPTION: The purpose of High School Seminar is to help students maximize the learning process and prepare for careers and/or college. This course is designed to help students develop and use study skills that will help them become successful learners and to equip students for their post-secondary success. Students will learn various study techniques that will be helpful to them throughout their academic years. They will also begin to plan and prepare for their specific career pathway. Lastly, they will be equipped with various life skills, such as effective communication, human relations, and technology.

Textbook: Freshman Seminar (The Johns Hopkins University)

HOSPITALITY AND TOURISM [ONLINE*]

DESCRIPTION: With greater disposable income and more opportunities for business travel, people are traversing the globe in growing numbers. As a result, hospitality and tourism is one of the fastest growing industries in the world. This course will introduce students to the hospitality and tourism industry, including hotel and restaurant management, cruise ships, spas, resorts, theme parks, and other areas. Students will learn about key hospitality issues, the development and management of tourist locations, event planning, marketing, and environmental issues related to leisure and travel. The course also examines some current and future trends in the field.

INTERNATIONAL BUSINESS [ONLINE*]

DESCRIPTION: International Business is an introductory Business class that will cover basic business topics from a global perspective. From geography to culture, global business is an exciting topic in the business community today. This course is designed to help students develop the appreciation, knowledge, skills, and abilities needed to live and work in a global marketplace.

INTRODUCTION TO MILITARY CAREERS [ONLINE*]

DESCRIPTION: This course allows students to gain a broader understanding of the career diversity that the military offers. Students learn about the five military branches—Air Force, Army, Coast Guard, Marine Corps, and Navy—and examine which jobs they might like to pursue. From aviation to medicine to law enforcement, the military can be an outstanding place to achieve one's dreams in a supportive and well-structured environment.

LAW AND ORDER: INTRO TO LEGAL STUDIES [ONLINE*]

DESCRIPTION: This course is designed to give a broad overview of the legal system in the United States. The primary aim of this course is to provide key concepts and ideas about the legal system to students and to give them a firm foundation and introduction to different types of law systems. Additionally, students should come away from the course knowing their personal rights and responsibilities within the American legal system.

LIVING A GODLY LIFE [ONLINE**]

DESCRIPTION: This full-year course combines topics of biblical life applications with gender-specific topics. Because of this, the course is split into male and female versions. Life Applications (1st semester) concentrates on 2 areas of biblical study: the Book of James and the life of Jesus Christ. See the syllabi below for specific breakdowns for A Godly Man and A Woman of Worth (2nd semester). The following topics will be explored and discussed: Humility, Perseverance, Pitfalls to avoid, Self-control, Wisdom, Working faith.

MS OFFICE PRO [ONLINE*]

DESCRIPTION: This course provides an innovative way to learn Microsoft Office applications (Word, Excel, PowerPoint, and Access), along with the basics of using a computer. All learning materials and hands-on activities can be accessed online without using a textbook or installing the Microsoft Office applications, as Office Pro simulates both the Microsoft Windows operating system and Office applications. This means students can learn, practice, and test their skills without having Microsoft Office installed on their computers. Office Pro combines a variety of learning methods and remediation to help students master essential Microsoft Office skills via the LabSim simulation software.

SPECIAL NOTES: LabSim requires a 64-bit operating system, 3GB Ram, and a computer running Microsoft Edge 20+ (Windows 10), MS Internet Explorer 10+, Google Chrome 31+, or Apple Safari 8+ (Mac).

MUSIC APPRECIATION [ONLINE*]

DESCRIPTION: This course provides students with an aesthetic and historical perspective of music, covering a variety of styles and developments from the Middle Ages through the Twenty-First Century. Students acquire basic knowledge and listening skills, making future music experiences more informed and satisfying.

SPECIAL NOTES: This course is not recommended if you are not able to view video (generally copywritten TV content) from a US-based IP address; you will not be able to view some of the content from this course.

MUSIC THEORY [ONLINE*]

DESCRIPTION: Music Theory is a progressive study in music elements, structure, and literacy. Students will discover musical notation, symbols, rhythms, pitches, counterpoint, composition, ear training, expressive tools, and musical forms. They will compose and harmonize a traditional melody.

AP MUSIC THEORY [ONLINE*]

DESCRIPTION: This course will develop the student's ability to recognize, understand, and describe the basic materials and processes of music. The goal is identifying and analyzing what is heard and presented in a musical score. This goal is achievable by developing the following: aural skills through listening exercises, sight singing through performance exercises, written analysis through essay, compositional skill through creative exercises, and analytical skill through analysis. Students taking this course will be prepared to successfully complete the AP® Music Theory Exam.

SPECIAL NOTES: If you are planning to take the AP® exam associated with this course, then be aware that beginning in Fall 2019 the College Board requires that all students register in October of each school year to take the exam which is held in early May. You must make your decision early. There are penalties associated with late registration and with registering and then deciding not to take the exam at a later date. Please plan accordingly. For more information or if you have more questions, please visit <https://apcentral.collegeboard.org> . Once on the site, search Home-Schooled Students to find information on locating testing locations near you.

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This version of the course is not Dual Credit eligible.

NETWORK SECURITY [ONLINE*]

DESCRIPTION: This course provides students with the knowledge to become industry certified as a security professional. It prepares the student for the following:

TestOut's Security Pro certification

CompTIA's Security+ certification

(ISC)2's SSCP certification

This course focuses on topics such as access control and identity management, policies, procedures, and awareness, physical security, perimeter defenses, network defenses, host defenses, application defenses, data defenses, as well as audits and assessments. Additionally, students are prepared in the domains of network security, compliance and operational security, threats and vulnerabilities, application, data, and cryptography.

SPECIAL NOTES: LabSim requires a 64-bit operating system, 3GB Ram, and a computer running Microsoft Edge 20+ (Windows 10), MS Internet Explorer 10+, Google Chrome 31+, or Apple Safari 8+ (Mac).

PHYSICS [ONLINE**]

Physics is a general course intended to expose students to the physical and mathematical relationships that allow us to describe the world that God has created. The first semester of this course focuses on Newtonian mechanics while the second semester covers a variety of topics, including: Electricity and magnetism, Modern physics, Sound and light waves.

The course incorporates a virtual laboratory component to expand the student's understanding as well as provide real-world applications. To successfully function in this physics course, students should have completed Algebra II.

SAT MATH PREPARATION [ONLINE*]- 1 Semester Course- must be taken with SAT Verbal

DESCRIPTION: SAT Math is designed to prepare the student to do well on the College Board SAT exam. The course will familiarize the student with the format of the math sections of the SAT and will teach the student testing techniques and strategies. The course will also include a comprehensive review of basic mathematics, algebra, geometry, statistics, and other math concepts needed for success on the SAT. This class is taught by NSA faculty but also extensively uses an outside online source so students can customize their practice and review, according to their individual strengths and weaknesses. Students will take several full-length SAT exams for practice throughout the course.

SPECIAL NOTES: Students must have access to a TI-83 or TI-84 or other SAT approved graphing calculator. SAT230 counts as an elective course.

SAT VERBAL-WRITING PREPARATION [ONLINE*]- 1 Semester Course- must be taken with SAT Math

DESCRIPTION: In addition to reviewing the basic skills needed, students will learn test-taking strategies specific to the SAT exam. Strategies for reading quickly and efficiently are emphasized, and exercises are provided to build vocabulary, an important asset for the SAT. Students receive instruction and practice on planning and executing essays within the short time allotted on the test. A comprehensive grammar review is included, and strategies for answering grammar questions are also included. This class is taught by NSA faculty but also extensively uses an outside online source so students can customize their practice and review, according to their individual strengths and weaknesses. Practice tests will be utilized.

STUDIO MUSIC [ONLINE*]

DESCRIPTION: Studio Music is a project-based course that equips students to utilize technology to create and edit music. The primary tool of the class will be the DAW (digital audio workstation). Course instruction will be delivered using Studio One 3 Prime by Presonus (a free download for Mac or PC), but students can complete all coursework using any DAW of their choice. Students will create music using both audio and midi regions, and students will explore basic DSP effects and midi keyboard concepts. In addition to the creative projects, students will complete exercises for developing the fundamental aural skills needed to be a successful studio musician. Finally, students will broaden their horizons by engaging with a variety of topics related to the field of music in general.

SPECIAL NOTES: Digital Audio Workstation software (DAW) does not run on Chromebooks.

WORLD RELIGIONS [ONLINE**]

DESCRIPTION: A multitude of religions exist in the world today. The beliefs and worldview that a person possesses can significantly impact the way he/she lives. However, with so many unique and distinct viewpoints, it can be hard to distinguish the definitive roots of those belief systems. With the high number of existing religions and faiths, this course acts as a guide to: Help give students a holistic overview of each of the existing primary faiths, along with their origin, key texts, primary beliefs, and current status, Help individuals gain a better understanding of the major world religions.

