

# **Crossroads Christian Academy**



## **2017/2018 High School Course Catalog**

Revised October 2017

# CCA HIGH SCHOOL COURSE CATALOG

## **BIBLE DEPARTMENT**

0.5 credits/semester enrolled

### PHILOSOPHY STATEMENT

The purpose of the CCA Bible department is to provide a systematic study of the Bible, including mastery of knowledge and application to daily life, so that the student may become thoroughly equipped in the Word of Truth (II Timothy 3:14-17)

### COURSES

#### **9<sup>th</sup> grade: Fall Semester: History of Christianity/Missions**

##### **0.5 credit**

Course Description: This course examines the expansion of Christianity beginning with Paul's Roman imprisonment in Acts 28 and ending with the current day missions activity of Crossroads Bible Church. Global in scope, this course studies the history of the Christian Church as it spread from the ancient world in various directions and eventually around the world. Biographical in nature, this course encourages students to draw inspiration from the lives of missionaries whose stories are recounted in varying detail. (This needs more work)

#### **9<sup>th</sup> grade: Spring Semester: Introduction to Logic 1**

##### **0.5 credit**

Course Description: This course examines basic concepts that comprise the traditional approach to formal logic. The traditional approach is preferred to the modern approach as the former assumes that absolute truth exists, its source is the mind and character of God, and we are able to know truth because we have been made in His image. Formal logic is preferred to informal logic as the former is more structured and systematic and thus better able to train young minds to think with clarity and precision...to think well. Studying logic is a critical task for students as they in turn study a variety of other school disciplines in preparation for lives as adults. Learning to think well is foundational for eventually achieving success in career and community. Of eternal value, thinking well enables followers of Christ to deepen their understanding of Christianity's distinctions, become better equipped to recognize God's truth from among many ideas competing for our hearts and minds, and obediently respond to God's call of, "Come, let us reason together."

#### **10<sup>th</sup> grade: Fall Semester: Basic Christian Doctrines**

##### **0.5 credit**

Course Description: This course examines basic Christian theology or doctrine from an evangelical and systematic perspective. Studied in depth from the texts of Scripture are categories such as the Bible, God, Christ, the Holy Spirit, man, sin, salvation, the Church, the last days, etc. for the purpose of learning about the fundamental truths that comprise the Christian faith. Learning these truths enables students to grow in the grace and knowledge of God, how to know and follow Him more closely and how to share their beliefs with others more confidently. (This needs more work)

#### **10<sup>th</sup> grade: Spring Semester: Introduction to Worldviews**

##### **0.5 credit**

Course Description: This course examines the concepts of "worldview" and ideas that constitute several that are prominent in today's world. All of us believe in something and thus have at least some basic worldview through which we interpret things and that influences how we live. We will examine Christianity as a worldview and compare and contrast it with other world religions, atheism, postmodernism and more so that students will deepen their understanding of Christianity's distinctions and become better equipped to recognize God's truth from among the many ideas that compete for our hearts and minds.

#### **11<sup>th</sup> grade: Fall Semester: Introduction to Apologetics**

##### **0.5 credit**

Course Description: This course examines several primary methods and areas of doing apologetics, the process of giving a reasoned defense of the Christian faith. Special emphasis is given to the presuppositional method as well as the scientific area, two specializations that contribute much to the modern apologetics discourse as a whole. Rigorous but imminently practical, this course challenges students to think more deeply about the claims of Christ and how to respond with both skill and grace to those who attempt to discredit the faith. By engaging other worldviews apologetically, students are encouraged to strengthen and embolden themselves in the Lord to articulate and defend their viewpoints with integrity amid educational and workplace environments that are increasingly secular.

**11<sup>th</sup> grade: Spring Semester: Life Calling**

**0.5 credit**

Course Description: This course examines the concept of life calling and the discovery of one's God-given design as a basis for this calling. Students are led to understand how work and individual leadership is best understood from this life calling perspective. Students will evaluate their foundational values, unique design and personal goals as well as examine each component throughout a variety of practical assignments and assessments culminating in a personal plan they can carry forward on their journey into their university years and beyond.

**12<sup>th</sup> grade: Fall Semester: Financial Stewardship**

**0.5 credit**

Course Description: This course examines basic Scriptural principles related to our role as managers of the Lord's resources and the practical applications of these principles to our lives in the modern world. More than financial but certainly no less than such, these principles address concepts of Biblical stewardship and how all money, talent, time, etc. are entrusted to us by the Lord to be used for His glory and purposes. Training in these principles empowers students to begin applying them immediately so that they can make wise decisions and enjoy the Lord's blessings.

**12<sup>th</sup> grade: Spring Semester: Relationships**

**0.5 credit**

Course Description: The purpose of this course is to discover Biblical relationship principles and concepts that are enlightening and engaging, but most of all, life changing. Students will discover how God made them for relationship and how that will impact their futures. Many applicable life skills will be taught and explored.

**11<sup>th</sup>-12<sup>th</sup> grade: Introduction to Logic 2**

**0.5 credit**

Course Description: This course continues to examine the basic concepts that comprise the traditional approach to formal logic introduced Logic 1. Studying logic is a critical task for students as they in turn study a variety of other school disciplines in preparation for lives as adults. Learning to think well is foundational for eventually achieving success in career and community. Of eternal value, thinking well enables followers of Christ to deepen their understanding of Christianity's distinctions, become better equipped to recognize God's truth from among many ideas competing for our hearts and minds, and obediently respond to God's call of, "Come, let us reason together."

## ENGLISH LANGUAGE ARTS DEPARTMENT

HS: 4.0 credits

### PHILOSOPHY STATEMENT

As beings created in the image of God, we have been given the ability to communicate through both verbal and written language. This ability is important in all academic disciplines and social situations and should be pursued with diligence and excellence. The purpose of CCA's English department is to equip students to communicate with excellence in various academic and social settings through the study of grammar, vocabulary, writing, and literature. The English Department seeks to equip students with the ability to think critically and discern Biblical truth as well as succeed in their professional and personal lives. Because God has gifted us with language, the English Department uses language to reveal aspects of God's character and Biblical themes as revealed through literature and in grammatical structure and patterns.

### COURSES

#### **9<sup>th</sup> grade: English**

**0.5 credit Fall**

**0.5 credit Spring**

Course Description: This course is designed to improve the skills of students in the areas of reading, writing, listening and speaking. Students read literature in a variety of genres, including short stories, poetry, nonfiction, biographies, novels, and essays, with a special emphasis on primary sources and speeches. Content terminology and self-selected vocabulary for analytical purposes and reading comprehension are also addressed alongside literature. Students also write in a variety of different modes and compose letters, journal entries, news articles, editorials, 5-paragraph critical analytical essays, biographies, interview notes, persuasive speeches and a research paper using MLA documentation. Students also give oral presentations, including formal speeches and persuasive debates. The course also includes short lessons in grammar on a needs basis, for use in writing assignments.

#### **10<sup>th</sup> grade: World Literature**

**0.5 credit Fall**

**0.5 credit Spring**

Course Description: This course is designed to expand the knowledge base of students in more advanced reading, writing, speaking and listening skills. Students focus particularly on literature of the world and read literature in a variety of genres, including short stories, poetry, nonfiction, biographies, novels, and essays. A particular emphasis is placed on reading and writing independently as students are required to read at least two full-length world literature novels during the school year, which include historical background information and vocabulary. Advanced content terminology and self-selected vocabulary work together with critical reading and writing instruction. Students write in a variety of different modes and compose reflective journal entries, 5-paragraph critical analytical essays, news articles, humorous "how to" essays, persuasive essays, comparison/contrast essays, film reviews, poetry, and a research paper using MLA documentation. Basic oral speaking strategies also form a part of the course content. This course also includes short lessons in grammar on a needs basis, for use in writing assignments. In keeping with studying world literature, students reflect upon key thematic elements such as intercultural conflict, religious conflict and tolerance, historical allusions and other multicultural issues.

#### **11<sup>th</sup> grade: American Literature**

**0.5 credit Fall**

**0.5 credit Spring**

Course Description: This course is designed to develop sophisticated skills in reading, writing, speaking and listening. Students focus particularly on American writers and read literature in a variety of genres, including short stories, poetry, nonfiction, biographies, speeches, novels, and essays. A particular emphasis is placed on reading and writing independently as students are required to read at least two full-length American literature novels during the school year, which includes historical background information and vocabulary. Advanced content terminology and self-selected vocabulary work together with critical reading and writing instruction. Students write in a variety of different modes and compose side-by-side analytical journals, 5-paragraph critical analytical essays, persuasive speeches, persuasive essays,

comparison/contrast essays, film reviews, poetry, and a research paper using MLA documentation. Students expand knowledge of rhetorical modes and terminology, including appeals to emotion, ethics and logic and expanded details concerning oral speaking delivery. This course also includes short lessons in grammar on a needs basis, for use in writing assignments. In keeping with studying American literature, the course includes information about chronological periods of literature, their identifying characteristics, and examples. Multicultural American works are represented in contemporary poetry and 20<sup>th</sup> century fiction.

### **11<sup>th</sup> grade: Advanced American Literature**

#### **1.0 credit**

Course Description: The course is called Advanced American Literature because one component of the class is a year-long survey of American Literature: students will read great American writers. The other feature of the course is a year-long study of rhetoric and composition, focusing on analysis and argument: students become great American writers. The Advanced Writing and Composition course is designed to teach beginning-college writing through the fundamentals of rhetorical theory, and follows the curricular requirements described in the AP Course Description. We will talk essentially every day about some vital aspect of writing, including: invention and the artistic proofs (ethos, logos, and pathos), disposition or structure and style (diction, syntax, figurative language, and mechanics). The kinds of writing in this class are varied, but include writing to understand, writing to explain, and writing to evaluate. All critical writing asks that you evaluate the effectiveness of a literary piece, but to be an effective evaluator, one must understand and explain. The essence of scholarship is the combination of these three approaches to writing. This class will be a type of workshop – a place where you will test certain kinds of writing. In order for this class to function as a true workshop, therefore, you will write a good deal, and you will revise certain pieces of your writing into polished final drafts. You will also produce a final portfolio – a kind of individual writing. **Pre-requisite: Successful completion of 9<sup>th</sup> and 10<sup>th</sup> grade English courses, and Teacher recommendation.**

### **12<sup>th</sup> grade: British Literature**

#### **0.5 credit Fall**

#### **0.5 credit Spring**

Course Description: This course is designed to develop mastery in reading, writing, speaking and listening as preparatory skills for college-level work. Students focus particularly on British writers and read literature in a variety of genres, including short stories, poetry, nonfiction, biographies, plays, novels, and essays. A particular emphasis is placed on reading and writing independently as students are required to read at least one full-length British literature novel and two full-length plays, one of which includes a work by William Shakespeare. The study of these texts includes historical background information, vocabulary and sophisticated literary terminology and criticism associated with these works. Advanced content terminology and self-selected vocabulary work together with critical reading and writing instruction. Students write in a variety of different modes and compose side-by-side analytical journals, 5-paragraph critical analytical essays, comparison/contrast essays, drama reviews, poetry, and a lengthy critical research paper one literature using MLA documentation, a primary source novel and reputable secondary sources of literary criticism. This course also includes short editing assignments in grammar on a needs basis, for use in writing projects. In keeping with studying British literature, the course includes information about chronological periods of literature, their identifying characteristics, and examples.

### **11<sup>th</sup>-12<sup>th</sup> grade: Speech**

#### **0.5 credit**

Course Description: This course is designed to introduce students to the art of public speaking. It will provide an opportunity for students to develop the knowledge and skills necessary to communicate effectively in the public arena. This class includes communication theory as well as speech preparation and delivery. Topics include the principles of reasoning, ethics in public speaking, listening skills, audience analysis, collection of materials, organization, outlining, language usage, delivery, visual aids, and types of speeches. Emphasis is on the oral presentation of well-prepared speeches.

## MATHEMATICS DEPARTMENT

3.0 credits at Algebra 1 or above

### PHILOSOPHY STATEMENT

Since God, through Jesus Christ, is the creator of nature, all the laws of nature can be tracked to a single source. God's nature is mirrored in nature. Therefore there is unity and coherence of mathematical concepts and principles. Mathematics is a reflection of God. We have order, can establish patterns, and make predictions as a result of the fact that God is constant, we can count on God. CCA's mathematics education strives to develop individual critical thinking skills, analytic ability, and resourcefulness in synthesizing knowledge to solve problems using available means. We will strive to follow the four-step process: Posing the right question (What is the problem really about? What is the solution going to look like?), converting a real world context to a mathematical model (What is my plan for solving the problem?), Compute (performing the actual mathematics required, putting the plan in place), and Proving the answer is correct (logical and makes sense).

### COURSES

#### **9<sup>th</sup> grade: Algebra 1**

**0.5 credit Fall**

**0.5 credit Spring**

Course Description: Algebra 1 is designed to give students a foundational understanding of the basic concepts of algebra. The course begins with a review of operations involving rational numbers and then applies this to solving equations and inequalities. Operations with polynomials and rational expressions, as well as factoring, functions, linear equations, radicals, and quadratics are covered. Concepts in probability, statistics, and trigonometry are also introduced as time permits.

#### **9<sup>th</sup>-10<sup>th</sup> grade: Geometry**

**0.5 credit Fall**

**0.5 credit Spring**

Course Description: This course is designed to develop and promote student reasoning and problem solving skills involving geometric concepts and properties. Topics include deductive reasoning using points, lines, planes, triangles, and polygons. Additional areas of study involve parallels, similarity, area, volume, surface area, circles, right triangle trigonometry, coordinate geometry, logic, & transformations. Applications to real life situations and synthesis of known concepts to solve novel ones are emphasized throughout the course.

#### **10<sup>th</sup>-12<sup>th</sup> grade: Algebra 2**

**0.5 credit Fall**

**0.5 credit Spring**

Course Description: Algebra 2 is designed to give students a more in depth knowledge of various techniques used in advanced algebra. The course begins with a brief review of basic algebra and then quickly expands on this knowledge base. Topics covered include linear functions, systems of equations & inequalities, matrices, operations with polynomials, complex numbers, quadratics, conics, polynomial functions & expressions, logarithms, probability & basic statistics. The use of graphing calculators is integrated throughout these topics. Concepts in trigonometry along with sequences & series will be covered as time allows. **Pre-requisite: Successful completion of Algebra 1 and Geometry.**

#### **11<sup>th</sup>-12<sup>th</sup> grade: Pre-calculus**

**0.5 credit Fall**

**0.5 credit Spring**

Course Description: Precalculus is designed to extend previously learned algebraic techniques as well as provide an introduction to skills necessary in calculus. The course begins with a review of functions and their graphs. Additional topics include polynomial & rational functions, exponential & logarithmic functions, basic & analytic trigonometry with applications, systems of equations & inequalities, matrices, sequences, probability, conics, polar coordinates, parametric equations and an introduction to vectors. The use of graphing calculators is integrated throughout these topics.

Applications to real world situations are emphasized throughout the course. **Pre-requisite: Algebra 2 with a "C" or above.**

**12<sup>th</sup> grade: Advanced Calculus**

**1.0 credit**

Course Description: Advanced Calculus is roughly the equivalent to a first semester college calculus course devoted to topics in differential and integral calculus. The course covers topics in these areas, including concepts and skills of limits, derivatives, definite integrals, and the Fundamental Theorem of Calculus. Application problems including related rates, optimization, area between curves, and volume by rotation will be addressed. The course teaches students to approach calculus concepts and problems when they are represented graphically, numerically, analytically, and verbally, and to make connections amongst these representations. **Pre-requisite: Pre-calculus with a "C" or above; Teacher recommendation**

## SCIENCE DEPARTMENT

3.0 credits

### PHILOSOPHY STATEMENT

God, through Jesus Christ, is the Creator of all living and non-living things and the sciences at CCA will be taught with that fact in mind. God's glory and His character are revealed through observation, exploration, and scientific study of His world. We will approach our study of science as a way to glorify God by discovering what He has created and the orderliness of His world around us. We will use the Bible as the basis for our foundational belief and worldview.

Although the Bible is not a science textbook, whenever it touches or connects with science topics, we recognize it as God's authority—correct, without error, and authoritative.

Listed below are just a few belief statements regarding the sciences at CCA:

- It is impossible for nothing to produce something, therefore any hypotheses that eliminate a metaphysical source for the physical realm are rejected. God, through Jesus, created all that came into being (John 1:3, Colossians 1:16).
- Physical Science: The laws of nature emanate from God; they are extensions of God's own nature and character and are the manner by which God upholds the universe (Hebrews 1:3, Colossians 1:17)
- Astronomy: The stars and planets were created by God, for man, to "be for signs and for seasons and for days and years" (Genesis 1:14). Astrology is rejected as the stars and constellations do not determine the fate of men and women, but rather God has knit a person together in his/her mother's womb (Psalm 139:13).
- Earth Science: The Earth, a uniquely designed planet with innumerable perfectly aligned characteristics designed to sustain mankind and other living things, was created by God for man to subdue and have dominion and stewardship over (Genesis 1:28).
- Life Science/Biology: Life was created by God. All living things were created by God, in unique forms, with built-in variability yet with genetic limitations on said forms (Genesis 1:11, 12, 21, 24, 25)
  - Human beings were created by God, created differently from the rest of the living things, bear the image of God, and have dominion over the rest of living things (Genesis 1:26-28). Additionally, humans also are unique in form with built-in variability yet with genetic limitations on form.
- Miracles: Although God usually allows things to run naturally (under the laws imposed upon the Created order by God Himself), and can work miracles within natural law, God many times chooses to act in supernatural ways within the Created order; God, who Created all that is, certainly has the power and authority to supersede the laws He has imposed upon Creation.

### COURSES

#### **9<sup>th</sup>-10<sup>th</sup> grade: Biology**

**0.5 credit Fall**

**0.5 credit Spring**

Course Description: Biology is the study of life and this course will focus on how life functions at the cellular and molecular level and on genetics, heredity, basic human anatomy and physiology, evolution and intelligent design. Laboratory activities are an essential component of the course and are emphasized throughout the course in order for students to apply key concepts to real world situations.

#### **10<sup>th</sup>-12<sup>th</sup> grade: Anatomy/Physiology**

**0.5 credit Fall**

**0.5 credit Spring**

Course Description: This course is to be taken after successful completion of one year of Biology and will move the student from the general study of life to the study of the pinnacle of creation: humans. The various organ systems making up the physiological functioning of the human kind will be studied. Anatomy (structures), physiology (functioning), imbalances, and developmental aspects of each system will be studied. Lab activities are an important feature of this course with a focus on specimen dissection as well as physiological activities. **Pre-requisite: Successful completion of Biology.**

### **10<sup>th</sup>-12<sup>th</sup> grade: Chemistry**

**0.5 credit Fall**

**0.5 credit Spring**

Course Description: Chemistry is the study of matter and changes matter can undergo. This course is designed as a general chemistry course that will prepare students for further study in chemistry at the undergraduate level. This course will focus on the science behind chemistry, atoms and elements, the periodic table, chemical bonds and chemical composition, chemical equations, reactions and stoichiometry, thermodynamics, acids and bases, and nuclear and organic chemistry. Laboratory activities are an essential component of this course and are emphasized in order for students to apply chemical concepts to real world situations. **Pre-requisite: Must be at least concurrently enrolled in Algebra 2 or higher.**

### **11<sup>th</sup>-12<sup>th</sup> grade: Physics (virtual)**

**0.5 credit Fall**

**0.5 credit Spring**

Course Description: This course is designed to give students a foundational understanding of the basic concepts of physics. It begins with a review of the scientific method and use of scientific units and conversions. The first half of the year focuses on basic Newtonian mechanics including the study of motion, momentum, energy and gravity. The second half surveys other topics including heat, waves, optics, electricity and magnetism. Some concepts in modern physics, such as nuclear physics and relativity, may be introduced as time permits. **Pre-requisite: Successful completion of Algebra 1 and Geometry.**

### **10<sup>th</sup>-12<sup>th</sup> grade: Marine Science (virtual)**

**0.5 credit**

Course Description: This course is designed to serve as a foundation for understanding the biotic and abiotic factors that create marine environments. It begins with the history of marine exploration, present day techniques and explorers, and predictions on future discoveries. A shallow survey of the kingdoms of life and diverse phyla that comprise marine habitats takes up the first half of the course. The students' learning journey takes them from plankton to blue whales. Student lab activities for this first section include field work on Panama's beaches and simple dissections. The second portion of the course covers the physical science component of the course. Seafloor features, waves, currents, and environmental challenges are key components. The course gives students a very usable and practical understanding of Marine Science through focusing on important local concepts and species. **Pre-requisite: Successful completion of Biology.**

### **11<sup>th</sup>-12<sup>th</sup> grade: Advanced Biology**

**1.0 credit**

Course Description: This course is designed to be equivalent to the first 2 semesters of college biology for majors. We will cover such topics as: the chemistry of life, cells, cellular energetic, heredity, molecular genetics, evolutionary biology, creation biology, the diversity of organisms, structure and function of both plants and animals, and ecology. The intention of this course is to provide a college level biology course in depth and detail. It is also the intention to be completed with this course such that students can sit for the Advanced Placement exam given by the Collegeboard on Monday, May 9th, 2016. However, please note that we are not sanctioned by the Collegeboard and therefore are not carrying the AP title for our course, neither, therefore, can we adequately state that this course will specifically prepare students for the Collegeboard given Advanced Placement exam in May. **Pre-requisite: Successful completion of Biology and Chemistry; Teacher recommendation**

## **SOCIAL STUDIES/HISTORY DEPARTMENT**

3.0 credits

### **PHILOSOPHY STATEMENT**

Social studies is the domains and relationships that stem from the study of mankind: his history, culture, society, etc. God is sovereign, and rules over, in, and through all inter-, intra-personal dynamics of both the group and the individual: it is His Story. God has put eternity into the heart of man and through Social Studies one examines the way that cultures interact and search for God and His truth.

Instructing in the area of Social Studies must therefore center on God as the moral standard and that absolute truth is found only in Jesus Christ. Looking at the achievements and inventions of mankind throughout the centuries one can see that God created man to be moral, creative, and intelligent and all wisdom comes from Him. The ultimate goal should result in an individual who relates in a Christian manner to his place and responsibilities in the world. Relationships, citizenship, economic responsibilities, human environment interaction, decision making, etc. need to be discussed from a Biblical worldview. God works in and through the self-fulfilling consequences of humanities' choices to accomplish His purposes.

### **COURSES**

#### **9<sup>th</sup> grade: World History 1**

**0.5 credit Fall**

**0.5 credit Spring**

Course Description: World History I is an in-depth study of our global community's past, emphasizing the people and events that changed past societies, and how these changes begin to affect our modern society. The course is separated into lessons comprising the following topic areas: Early civilizations such as Ancient Greece and Rome, the rise of Christianity and civilizations of the Americas, societies of the Middle Ages such as the Byzantine Empire, Russia and Eastern Europe, the Renaissance and Reformation, the start of the Global Age in Europe, Africa, Asia, and the Americas, the Age of Absolutism, the regional civilizations of Islam, Africa, and the spread of civilization in East and Southeast Asia. As such the course covers world history through the Atlantic Slave Trade (approximately 1800)

#### **10<sup>th</sup> grade: World History 2**

**0.5 credit Fall**

**0.5 credit Spring**

Course Description: World History II is an in-depth study of our global community's past, emphasizing the people and events that changed past societies, and how these changes begin to affect our modern society. This course begins where WHI ends- at the beginning of Absolutism (approximately 1500). Topics will include French Revolution and Napoleon, the beginning of the Industrial Revolution and the Revolutions of Europe and Latin America, Nationalism in Europe, the growth of Western Democracies, and New Imperialism. The course will also study World War I and the Russian Revolution, the rise of totalitarianism, World War II and its aftermath, the world since 1945 including the Cold War, the emergence of new nations, regional conflicts, the developing world and the world today.

#### **11<sup>th</sup> grade: U.S. History**

**0.5 credit Fall**

**0.5 credit Spring**

Course Description: This course is designed to give students a foundational understanding of the history of the United States of America and its role in the recent history of the world. The course begins with a review of late European history dealing with colonization and conquest and then moves into the beginnings of the nation. As the course progresses, students are introduced to topics dealing with different eras of the United States and relations between the United States and other countries with special emphasis on the relationship between the US and Panama. Concepts in economics, politics and sociology in American History are large components of the course.

#### **11<sup>th</sup>-12<sup>th</sup> grade: American Government**

**0.5 credit**

Course Description: Government & Politics is designed to give students a foundational, life applicable understanding of the basic concepts of types of national governments and global governing organizations. The course is intended to involve students in politics and to encourage a sense of citizenship to grow. It includes a survey of both American government and comparative governmental systems. Topics of the course include introductions to: theoretical foundations of government, the US government, the Panamanian government, politics and political parties, civic responsibility and action, and comparative political systems.

**11<sup>th</sup>-12<sup>th</sup> grade: Economics**

**0.5 credit**

Course Description: Economics is designed to give students a foundational understanding of the basic concepts of national and global economies. The course includes a survey of both macroeconomics and microeconomics. Topics of the course include introductions to: supply and demand, Gross Domestic Product, inflation, recession, unemployment, aggregate private investment, government fiscal policy, monetary policy, international trade, and the effects that each of these have on the nation's economy in the classical, Keynesian and monetarist frameworks. Supply and demand, elasticity of supply and demand, consumer behavior, firm behavior, competition, monopoly, oligopoly, and monopolistic competition, resource markets, market failures, antitrust policy, and issues of economic equity are also studied. Comparisons and contrasts will be made between types of economies that are linked with their government counterparts.

**11<sup>th</sup>-12<sup>th</sup> grade: Psychology**

**0.5 credit**

Course Description:

**11<sup>th</sup>-12<sup>th</sup> grade: Sociology**

**0.5 credit**

Course Description: This course is designed to give students an introduction to the basic concepts of sociology. The course includes the study of the history of sociology, an introduction to major sociological thinkers, and training to view the world from a sociological viewpoint. Topics include culture and society studies, adolescence, adulthood, social stratification, family, education, religion, population and urbanization problems, collective behavior, social change and modernization.

**11<sup>th</sup>-12<sup>th</sup> grade: World Religions**

**0.5 credit**

Course Description:

**11<sup>th</sup>-12<sup>th</sup> grade: Panama/U.S. Relations (MEDUCA Required)**

**0.5 credit**

Course Description: This course fulfills the MEDUCA requirement for obtaining the Panamanian diploma.

**11<sup>th</sup>-12<sup>th</sup> grade: Advanced World History**

**1.0 credit**

Course Description: This course is designed to be the equivalent of a two-semester introductory college or university world history course. The course has students investigate the content of world history for significant events, individuals, developments, and processes in six historical periods, and develop and use the same thinking skills and methods (analyzing primary and secondary resources, making historical comparisons, chronological reasoning, and argumentation) employed by historians when they study the past. The course also provides five themes (interaction between humans the environment; development and interaction of cultures; state building, expansion, and conflict; creation, expansion, and interaction of economic systems; development and transformation of social structures) that students explore throughout the course in order to make connections among historical developments in different times and places encompassing the five major geographical regions of the globe: Africa, the Americas, Asia, Europe, and Oceania.

**Pre-requisite: Successful completion of World History 1, 2, and U.S. History; Teacher recommendation.**

## **11<sup>th</sup>-12<sup>th</sup> grade: Advanced U.S. History**

### **1.0 credit**

Course Description: This course is designed to be the equivalent of a two-semester introductory college or university U.S. history course. This course focuses on developing students' understanding of American history from approximately 1491 to the present. The course has students investigate the content of U.S. history for significant events, individuals, developments, and processes in nine historical periods, and develop and use the same thinking skills and methods (analyzing primary and secondary resources, making historical comparisons, chronological reasoning, and argumentation) employed by historians when they study the past. The course also provides seven themes (American and national identity; migration and settlement; politics and power; work, exchange, and technology; America in the world; geography and the environment; and culture and society) that students explore throughout the course in order to make connections among historical developments in different times and places.

**Pre-requisite: Successful completion of World History 1, 2, and U.S. History; Teacher recommendation.**

## FOREIGN LANGUAGE DEPARTMENT

2.0 credits consecutive

### PHILOSOPHY STATEMENT

Language is one of the distinctive characteristics of God's image bearers. It's the channel through which relationships are built. Learning more than one language enables us to be used by God in an increasingly multicultural and multilingual world. We desire to equip our students to work effectively and humbly with people of other cultures, opening wide the doors to sharing the message of the gospel. Communication skills require diligent cultivation and refining. Towards this end, we teach language mechanics and its application. We aim at competency in comprehension and in oral and written expression.

### COURSES

#### **9<sup>th</sup> grade: Spanish Language and Literature I**

**0.5 credit Fall**

**0.5 credit Spring**

Course Description: This course exposes students to the study and interpretation of different literary genres. An emphasis is placed on the study of grammar through complete analysis of simple and complex sentences as well as an in-depth study of the indicative, subjunctive, and imperative moods. Writing includes short story, drama, poetry, and research-based essay. Oral communication includes debates and oral presentations.

#### **10<sup>th</sup> grade: Spanish Language and Literature II**

**0.5 credit Fall**

**0.5 credit Spring**

Course Description: This course is designed to strengthen, increase, and enrich the linguistic knowledge and literature acquired in previous years. Advanced, subtle parts of grammar are introduced as important aspects of writing and speaking the language well. The course introduces important Spanish, Latin American, and Panamanian authors. Different key literary trends and characteristics of important periods from Colonial times to the twentieth century will be studied. Students will also become acquainted with the historical and social background of the literature. Skills in literary analysis will be developed and oral communication will be reinforced. Students' vocabulary will also be expanded. By learning to identify and interpret the various elements of literature texts and perceive their relationship, students will acquire a fuller understanding and appreciation of the art and significance of literature, as well as, be prepared for writing essays.

#### **9<sup>th</sup>-12<sup>th</sup> grade: Spanish I,II,II Non-Native**

**0.5 credit Fall**

**0.5 credit Spring**

Course Description: These courses are designed to introduce and increase fluency both in the written and oral part of the Spanish language. Students will learn and review different verb tenses and grammatical structures. Students will be introduced to and continue to learn vocabulary and general culture about Panama and other Latin American countries.

#### **11<sup>th</sup>-12<sup>th</sup> grade: Advanced Spanish Language**

**1.0 credit**

Course Description: This course is designed for students who already have strong skills in reading, writing, speaking, and listening and are interested in developing a more in-depth understanding of the Spanish language. It will be conducted entirely in Spanish and its content is aligned with the College Board AP Spanish Language Course Description. Students will develop cultural awareness through authentic resources including recordings, films, videos, radio, television, and internet. Within the course, students will participate in a thorough grammar review, study contemporary literature, be exposed to other forms of written materials such as poems, short stories, and newspapers articles, and participate in regular speaking activities. Students will also learn how to predict and guess content, scan, skim, use background information and identify points of view in reading materials. Additionally, this course is the capstone course fulfilling the MEDUCA requirement for Spanish instruction qualifying students to earn the Panamanian diploma.

**11<sup>th</sup>-12<sup>th</sup> grade: French I**

**0.5 credit Fall**

**0.5 credit Spring**

Course Description: This course is designed for the student who has little or no prior knowledge of French. Basic French vocabulary and grammar are studied including simple narration in the present tense. An emphasis is placed on the production of oral French although written work is included. Students also acquire knowledge of the French culture.

## FINE ARTS DEPARTMENT

1.0 credits

### PHILOSOPHY STATEMENT

#### Visual

God creates out of nothing, but He also creates from existing materials. The Visual Art classes are designed, depending on the level, to teach and have students explore the various ways in which they may create a work of art using the Elements or Arts and Principles of Design, which have been established by God. As students are exposed to these elements and principles, through a variety of lessons and projects, they discover that they are creative and have the capability of expressing themselves through various mediums.

#### Music

Music is an act of WORSHIP and PRAISE to God. It can be a wonderful response to God and His creation. Within music are the natural patterns which God has stitched all throughout the universe. Students will explore these patterns as the core of music. In music, each student's talent and skill will be developed through practice and rehearsal. The goal is to provide an outlet for students to use the gifts that God has given them.

### COURSES-Visual

#### **9<sup>th</sup>-12<sup>th</sup> grade: Drawing 1**

##### **0.5 credit**

Course Description: This course is designed to continue instruction in all of the principles and elements of art and design through drawing. Concepts in simple spatial relationships, tonal values, discovery and exploration of height, depth, distance, nearness, surface, volume, weight, light, shade, darkness and contrast are also studied more in depth. Students will be exposed and instructed on drawing techniques that will improve their ability to create on a two dimensional surface the impression of three dimensional objects and scenery. Students will explore how to express themselves through their work as well as to communicate ideas.

#### **9<sup>th</sup>-12<sup>th</sup> grade: Painting 1**

##### **0.5 credit**

Course Description: This course is designed to continue instruction in all of the principles and elements of art and design through painting. Concepts in simple spatial relationships, tonal values, discovery and exploration of height, depth, distance, nearness, surface, volume, weight, light, shade, darkness and contrast are also studied more in depth. Students will be exposed and instructed on various painting techniques, and will be encouraged to discover their style and brushstroke. Students will explore how to express themselves through their work as well as to communicate ideas. Famous contemporary artists will be studied to see how they influence and reflect today's society.

#### **11<sup>th</sup>-12<sup>th</sup> grade: Art 3**

##### **0.5 credit**

Course Description: This course is designed to encourage the creative thought process of the student, help the students to further develop technical skills, and to promote in the students independent thinking while they create various works of art, as they concentrate on one particular visual interest or problem. Students will develop their chosen idea or problem in various media such as drawing, painting, and sculpture, among others.

#### **11<sup>th</sup>-12<sup>th</sup> grade: Advanced Art**

##### **1.0 credit**

Course Description: This course is designed to study and have an overview of the History of Art, focusing on the groundbreaking moments. In a relaxed and participative environment, the mayor periods and moments in art will be discussed. At selected periods, students will produce a work of art that reflects the tendencies and concepts of that era, incorporating their own view of such a period into their work.

#### **11<sup>th</sup>-12<sup>th</sup> grade: Digital Art**

##### **0.5 credit**

Course Description: This course is designed for students to learn how to manipulate and create digital images, to design various types of materials that go to print, and to understand the various ways that they can express their creativity through technology. All assignments are designed on a personal computer utilizing software that is standard in the industry. Students learn how words and illustrations are assembled to create visually pleasing designs and powerful graphic messages, as well as how visual artists are incorporating technology into their artwork.

**11<sup>th</sup>-12<sup>th</sup> grade: Yearbook I,II**

**0.5 credit Fall**

**0.5 credit Spring**

Course Description: This course is designed to provide students with an understanding and appreciation of the various aspects of producing a yearbook. Students will first receive a brief introduction on the use of Photoshop and of Photography skills, followed by its application to the yearbook. Students will compile a history of the school year through the use of themes, organizing production of the book, designing the publication, writing the copy, providing the photography, and implementing an effective sales campaign for the book. Emphasis includes photography, computer layout and design, time management and team organization, journalistic writing, interviewing, and meeting a deadline

**COURSES-Music**

**10<sup>th</sup>-12<sup>th</sup> grade: Music Appreciation**

**0.5 credit**

Course Description: Music Appreciation is a course designed to increase the student's knowledge about the many facets which makes up the world of MUSIC. Students will explore the elements of music theory, study the different musical periods, compose and create original music, and discover the connections between music and culture all around the world.

**11<sup>th</sup>-12<sup>th</sup> grade: Music Theory**

**0.5 credit**

Course Description: This class is designed for students who love music, as well as students who seek to enrich their knowledge of music fundamentals. The purpose of this course is for students to develop skills that will lead to a thorough understanding of music theory. The first part of this course is designed to teach students the basic fundamentals of music theory and composition. The second part of this course includes many projects for the students to practice composing music of different kinds, and implementing the elements of musical theory learned earlier.

## PHYSICAL EDUCATION DEPARTMENT

1.0 credits

### PHILOSOPHY STATEMENT

As God's image-bearers, He has given us all things in abundance that we may enjoy them; including our bodies (Genesis 1:27; 1Timothy 6:17). CCA strives to promote a healthy life-style with the purpose of having a long life that glorifies and serves God with excellence. Life is most fulfilling and glorifying with a lifestyle that is physically and relationally healthy and long.

### COURSES

#### **9<sup>th</sup> grade: 09 Physical Education**

##### **0.5 credit**

Course Description: In this course students will be empowered to make wise choices and develop positive behaviors in fitness, wellness, and movement activity for a lifetime. The main focus includes further development of basketball, volleyball, track and field, baseball and soccer skills. Further growth in the Presidential Physical Fitness Program will be expected and recorded. Attitudinal growth will focus on recognizing and taking ownership of ones health and skill improvement, and accepting proven methods of improvement. Self-esteem issues are addressed in relation to physical fitness and participation in community activities is encouraged. Working as a team or with a partner can help achieve these goals. Christ-like patience will be encouraged when learning new skills as well as when encouraging classmates to excel.

#### **10<sup>th</sup> grade: Health and Personal Fitness**

##### **0.5 credit**

Course Description: This course will begin to teach students how to critique social behaviors towards health and fitness, research healthy options, and take ownership of their fitness future. It will give them fitness and nutrition options that will allow them to make educated choices about fitness. An emphasis will be places on self-discipline and how pushing themselves and classmates will help improvement in all aspects of life. Some of the cardio, muscle, and social needs will be met with the continuation of skill development in volleyball, basketball, soccer, baseball, and track and field. Presidential testing will be further developed with the use of metabolic workout routines that concentrate on the muscle groups and cardio needs of the testing. Weight training will be introduced as a method of developing muscle mass and strength. Attitudinal growth will focus on a teamwork, encouragement, self-esteem, and pride; all to be approached with Christ like values.