



Cambridge Christian School
High School Course Description Guide
2017-2018

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English

English 9 – Intro to Literature and Composition

1 Credit

This course is designed to develop foundational college level reading skills based on exposure to increasingly complex literary and informational text. Students will be exposed to a variety of genres including short stories, plays, novels, and poetry from distinct cultures and historical perspectives. Strategic reading instruction will expand student knowledge of text structures and elements, as well as refine their ability to interpret and critically analyze literature/text. Through various writing exercises, students will develop and strengthen their ability to convey complex ideas clearly and coherently as proficient writers. Students will compose arguments to support claims/counter claims, produce informative/explanatory/narrative essays, and conduct research projects. Instruction in the proper use of grammar, acquisition of vocabulary, rhetoric, and effectual applications of language will support course objectives.

English 9 Honors – Intro to Literature and Composition

1 Credit

This course is designed to expose students to a variety of writing experiences and enhance their exposure to complex genres of literature & informational text. The goal of the course is to augment and continue to develop student skills of literary interpretation and critical analysis. Reading instruction is focused on building higher level thinking skills, to evaluate the literary techniques of the authors, and interpret the themes from the literary works. Students will learn literary forms and terms associated with complex literature and informational text. Students will read novels, short stories, plays, and poems that represent various cultures as well as historical time periods and perspectives. Students will compose arguments to support claims/counter claims, produce informative/explanatory/narrative essays, and conduct research projects with proficiency. Instruction in the proper use of grammar, acquisition of vocabulary, rhetoric, and effectual applications of language will support course objectives.

English Language Instruction (ESL)

1 Credit

This course is designed for ESL International students for the purpose of developing foundational reading and writing skills. It is designed to develop basic proficiency in listening, speaking, reading and writing and to further their understanding of American culture. Reading and writing instruction and resources will be scaffold to support ESL learners. Students will be introduced to literary elements and terms associated with foundational literary and informational text. Students will read a novel, short stories, a play, and poems that represent various cultures as well as historical time periods and perspectives within comparable Lexile levels. Emphasis will be placed on instruction to support the proper use of grammar, acquisition of vocabulary, rhetoric, and basic structures/applications of the English language. Students will participate in writer's workshop to develop their writing abilities. They will learn to compose arguments to support claims/counter claims, produce informative/explanatory/narrative essays, and conduct research projects.

English 10 – World Literature and Composition

1 Credit

This course will take students on a journey through time as they read, annotate, analyze, and evaluate the significance of traditional and contemporary text at a foundational level. Students will be presented with texts in various genres, which reflect the various philosophical movements and historical perspectives from world literature. Also, students will continue to improve their skills in reading, writing, grammar, vocabulary, literary analysis, critical thinking, speaking, study skills, and collaborative thinking. Students will analyze short stories, poems, dramas and selected novels from a biblical worldview, identifying common literary elements such as plot, characterization, conflict, settings, theme, and point of view, etc. Students will also develop the skills needed to conduct research and compose research essays throughout the year.

English 10 Honors – World Literature and Composition

1 Credit

This course will take students on a journey through time as they read, annotate, analyze, and evaluate the significance of traditional and contemporary complex text. Students will be presented with texts in various genres, which reflect the various philosophical movements and historical perspectives from world literature. Also, students will refine their skills in reading, writing, grammar, vocabulary, literary analysis, critical thinking, speaking, study skills, and collaborative thinking. Students will analyze short stories, poems, dramas and selected novels from a biblical worldview, identifying common literary elements such as plot, characterization, conflict, settings, theme, and point of view, etc. Students will also conduct research and compose research essays throughout the year.

English 11 – American Literature and Composition

1 Credit

This course is a general survey of American Literature and continues to build and expand literary analysis skills, critical thinking, and collegiate level reading comprehension. Students will read, annotate, evaluate, and discuss works that reflect a foundational level of literary and informational text that represents American culture and tradition. Students will analyze short stories, poems, dramas and selected novels from a biblical worldview, identifying common literary elements such as plot, characterization, conflict, settings, theme, and point of view, etc. in a manner that expands their skill set. Also, students will perfect their skills in writing, grammar, acquisition of college-level vocabulary, speaking, study skills, and collaborative thinking.

English 11 Honors – American Literature and Composition

1 Credit

This course explores the cultural and historical issues reflected in the literature of American classical authors through contemporary time. Students will annotate, read critically and demonstrate understanding of literary elements and analysis techniques leading to interpretation and critical thinking of the literary and informational text presented from the time period. Students will analyze short stories, poems, dramas and selected novels from a biblical worldview, identifying common literary elements such as plot, characterization, conflict, settings, theme, and point of view, etc. Also, students will demonstrate improved writing skills and research strategies, application of grammar, and acquisition of college-level vocabulary. The course will also focus on developing rhetoric, strong study skills, and collaborative thinking. Students will deliver multimedia presentations as well as produce and seek to publish work.

English 12 – British Literature and Composition

1 Credit

This course is designed to help students cultivate an understanding for the cultural and historical perspectives of Western and British literature. Students will read, annotate, and deepen their analysis of literary and informational text as they read novels, plays, short stories, and poetry. Emphasis is placed on developing student proficiency in synthesizing and analyzing literature and informational text, while evaluating literary elements, concepts, and themes. Students will aim to improve and gain proficiency in reading comprehension, writing, vocabulary acquisition, and grammar skills as they are guided through specific instructional strategies. The goal of this course is to equip students to be successful as they enter college-level English and the challenging types of readings students will be required to read and interpret in college. Students will refine their writing skills as they compose persuasive, expository, narrative, and document-based essays. The course will also require students to use technology to conduct educational research, create oral presentations and participate in collaborative novel-based projects. Students will further sharpen their research skills as they participate in a research project in the second semester.

English 12 Honors – British Literature and Composition

1 Credit

This course surveys British Literature while expanding student understanding of the cultural and historical perspectives of the time period. Students will read, annotate, and deepen their analysis of literary and informational text as they read novels, plays, short stories, and poetry. Emphasis is placed on refining student proficiency in synthesizing and analyzing literature and informational text, while evaluating literary elements, concepts, and themes. Students will demonstrate competency in reading comprehension, writing, vocabulary acquisition, and mastery of the conventions of the Standard English language. This course is designed to equip students to excel in their ability to work with the challenging types of readings they will encounter in college. Students will perfect their writing skills as they compose persuasive, expository, narrative, and document-based essays. The course will also require students to use technology to conduct educational research, create oral presentations and participate in collaborative novel-based projects. Students will also demonstrate their ability to conduct research as they participate in a research project in the second semester.

AP English Language and Composition

1 Credit

This college-level course is designed to equip students to become skilled readers and writers. Students will read, analyze, and write about an array of challenging fiction and nonfiction texts, thus deepening their awareness of rhetoric and how language works. Students will examine and work with essays, articles, speeches, letters, media, art, novels, and short stories. Course readings feature expository, analytical, personal, and argumentative texts from a variety of authors and cultural/historical contexts. Through close readings, students will be able to read analytically by carefully considering an author's purpose, the needs of an audience, the demands of the subject, and the nuances of language: syntax, diction, tone, rhetorical strategies, and literary devices. Through various writing modes and strategies, students will be able to strengthen their own writing and analytical insight while developing an instinctual ability to work with language and text more purposefully. This course seeks for students to demonstrate understanding and mastery of standard written English as well as stylistic maturity in their own writings. Students will also create and sustain arguments based on readings, research, and/or personal experience. They will effectively move through the writing process as they evaluate primary and secondary sources and incorporate these documents into researched papers.

Prerequisite: English 10 Honors

AP English Literature and Composition

1 Credit

This college-level course offers students an intensive study of various literary genres and periods, from the 16th to the 21st century. Students will critically read and analyze text through a close reading approach that will focus on developing their observational, interpretative, and evaluative skills. Through close reading students will focus on reading deliberately in order to consider a work's complexity, the meaning of the text, and how that text is exemplified in literary form. This approach will emphasize how students experience, interpret, and evaluate literature. Students will also consider the text detail and historical context as they critically interpret how these perspectives influence and impact the social and cultural values of each literary work. Writing instruction focuses on the critical analysis of literature and will be comprised of expository, analytical, and argumentative essays. Students will also participate in creative writing assignments aimed to help students discover the richness of how literature is written and to reinforce the reading and interpretation of literature. An emphasis will be placed on expanding the application of vocabulary, a variety of sentence

structures, logical and coherent organization of writing, balancing details, control of tone, consistency in voice, achieving parallelism & antithesis, and effective rhetoric.

Pre-requisite: AP Language and Composition

Summer work required

Creative Writing

.5 Credit

In this semester course, students will use project based learning and self-selected study to learn and write in multiple genres, such as poetry, short story, creative essay, and memoir. Students will learn about point of view, craft, voice, character development, and plot constructions. Students will learn to command language in regard to word choice, syntax, and style. Students will participate in writing workshops, presenting their writing and providing support and feedback to others based on the skills and objectives of the course.

Speech

.5 Credit

In this semester course, students will be introduced to the basic elements and concepts of effective and coherent verbal and presentational communication. The focus of this course is to develop fundamental speech skills, strengthen listening skills and further develop proper research skills. Students will learn how to support, build, write, deliver, and critique a variety of speeches and oral presentations. Through discussion and collaboration they will gain confidence in the development and delivery of clear and concise communication. Students will deliver introductory, persuasive, informative multimedia, and biographical oral presentations. Additionally, they will participate in impromptu speeches & debate, as well as participate in a business sales presentation.

Mathematics

Algebra 1

1 Credit

This course provides a formal development of the algebraic skills and concepts necessary for students to succeed in advanced courses. In particular, the instructional program in this course provides for the use of algebraic skills in a wide range of problem-solving situations. The concept of function is emphasized throughout the course. There is much emphasis on building upon what was learned in pre-algebra. Students will learn to relate Algebraic skills to real life scenarios.

Geometry

1 Credit

This course relates foundational concepts from Algebra I to the study of Geometry. This course requires students to focus on logical proof and critical thinking when solving problems or evaluating arguments. This subject provides the necessary mathematical tools for complex reasoning and solving problems in the sciences, technology, engineering, and many skilled trades and professions. The course includes an overview analysis of plane, solid, and coordinate geometry as they relate to both abstract mathematical concepts as well as real-world problem situations. Students will use construction tools and technology programs to expand their understanding of geometric concepts. Topics include logic and proof, parallel lines and polygons, perimeter and area analysis, volume and surface area analysis, similarity and congruence, and trigonometry. Emphasis will be placed on developing foundational critical thinking skills as they relate to logical reasoning and argument.

Pre-requisites: Algebra 1

Geometry Honors

1 Credit

This course relates concepts from Algebra I to geometric phenomena. This course requires students to focus on logical proof and critical thinking when solving problems or evaluating arguments. This subject provides the necessary mathematical tools for complex reasoning and solving problems in the sciences, technology, engineering, and many skilled trades and professions. The Geometry Honors course includes an in-depth analysis of plane, solid, and coordinate geometry as they relate to both abstract mathematical concepts as well as real-world problem situations. Students will use construction tools and technology programs to expand their understanding of geometric concepts. Topics include logic and proof, parallel lines and polygons, perimeter and area analysis, volume and surface area analysis, similarity and congruence, trigonometry, and analytic geometry. Emphasis will be placed on developing critical thinking skills as they relate to logical reasoning and argument.

Pre-requisites: Algebra 1 Honors

Algebra 2

1 Credit

This course provides a review and extension of the concepts taught in Algebra 1. Topics covered will include equations and inequalities, coordinates and graphs, general functions, polynomial and rational functions, exponential and logarithmic functions, systems of equations and inequalities, sequences and series. Graphing calculator skills will be taught and used in this course. Throughout this course, students will develop learning strategies, critical thinking skills, and problem solving techniques to prepare for future math courses and college entrance exams.

Pre-requisites: Algebra 1 & Geometry

Algebra 2 Honors

1 Credit

This course provides a greater extension of the concepts taught in Algebra 1 Honors. Topics covered will include equations and inequalities, coordinates and graphs, general functions, polynomial and rational functions, exponential and logarithmic functions, analytic geometry, systems of equations and inequalities, sequences and series. Graphing calculator skills will be taught and used in this course. Throughout this course, students will develop learning strategies, critical thinking skills, and problem solving techniques to prepare for future math honors courses and college entrance exams.

Pre-requisites: Algebra 1 Honors & Geometry Honors

Pre-Calculus Honors

1 Credit

This course is a continuation of Honors Algebra II or Algebra II, which is also a prerequisite. It is a preparation course for AP Calculus AB. Students will read mathematical problems actively and critically, present solutions to problems effectively, and use a variety of appropriate resources including the computer and calculator to solve mathematical problems. They employ multiple critical and creative thinking strategies in reasoning and problem solving. It will be very easy by the end of the course for the students to demonstrate a knowledge and appreciation of how mathematics can be used outside the mathematics classroom and applied to their everyday lives.

Pre-requisites: Algebra 2 Honors & Geometry Honors

Calculus Honors

1 Credit

This course will introduce the central concepts of calculus and provide experience with their method and applications. Limits, derivatives, and integrals are central to life, physics, and many careers, and understanding them will provide students with a better understanding of how the world around them works. These topics will be explored graphically, algebraically, numerically, and practically, with an emphasis on connecting the abstract math to concrete, practical uses in everyday life. Previous math courses play heavily into calculus, as graphing, functions, and trigonometry all interact and work with calculus in a myriad of ways. Students will be asked not only to show the ability to ‘do the math’, but also the ability to interpret the meaning of the answer.

Pre-requisites: Pre-Calculus Honors

Statistics

1 Credit

This course takes a thorough look at statistics and probabilities. Students learn the various terms of statistics and how to discuss statistics. They learn what good information versus bad information is and how to make informed decisions based on the type of information given. Students will explore statistics and probabilities by examining real world scenarios and then coming with various decisions and justifications for their decisions based on the data. Specific topics include data classification and representation, probability distributions, confidence intervals, hypothesis testing, and correlation and regression. Much discussion will happen on how the world uses statistics to propel their various agendas.

Math for College Readiness

1 Credit

This course is designed to prepare students for success in entry level college mathematics. This course will expand the understanding of topics including: expressions and equations, arithmetic with polynomials and rational expressions, interpreting functions, Geometric properties with equations, numbers and quantities, statistics and probability, and modeling. This course is designed for students pursuing a non-STEM field of study after high school.

AP Calculus AB

1 Credit

This course will introduce the central concepts of calculus and provide experience with their method and applications. The AP ‘Big Ideas’ of limits, derivatives, and integrals are central to life, physics, and many careers, and understanding them will provide students with a better understanding of how the world around them works. These topics will be explored graphically, algebraically, numerically, and practically, with an emphasis on connecting the abstract math to concrete, practical uses in everyday life. Previous math courses play heavily into calculus, as graphing, functions, and trigonometry all interact and work with calculus in a myriad of ways. Students will be asked not only to show the ability to ‘do the math’, but also the ability to interpret the meaning of the answer. In addition, this course will prepare students with the techniques and knowledge necessary to score well on the AP Calculus AB exam in May.

Pre-requisites: Pre-Calculus Honors

AP Statistics

1 Credit

This course takes a thorough look at statistics and probabilities. Students learn the various terms of statistics and how to discuss statistics. They learn what good information versus bad information is and how to make informed decisions based on the type of information given. Students will explore statistics and probabilities by examining real world scenarios and then coming with various decisions and justifications for their decisions based on the data. Specific topics include data classification and representation, probability distributions, confidence intervals, hypothesis testing, and correlation and regression. Much discussion will happen on how the world uses statistics to propel their various agendas. This course will prepare the students from the AP Statistics test in May.

Personal Finance

.5 Credit

Foundations in Personal Finance by Dave Ramsey is a class that will give you a head start to your future. Learning how to manage your money is one of the most important skills you can have. Your financial decisions will have long-term consequences, either good or bad. This class will give you the tools and knowledge that will help you win with money right from the start. When it comes to your financial future, we want you to aim high and dream big. This is a very practical class that will give you the tools needed to be successful.

Science

Biology

1 Credit

This course is designed to provide students with an in depth overview of biology, the study of life. Student will examine biochemistry & cells, genetics, and creation & evolution in the first semester. In the second semester, they will study the taxonomy, microorganisms, fungi & plants, animal systems, and ecology. Participation in labs is a key part of the course as well as producing formal lab reports for each lab. Additionally, students will participate in the dissection of a fetal pig the end of the year. Students will be able to participate in a trip to Key Largo to further their study of marine phylum's.

Biology Honors

1 Credit

This course is designed to provide students with an in depth overview of biology, the study of life. Student will examine biochemistry & cells, genetics, and creation & evolution in the first semester. In the second semester, they will study the taxonomy, microorganisms, fungi & plants, animal systems, and ecology. Participation in labs is a key part of the course as well as producing formal lab reports for each lab. Students will be able to participate in a trip to the Key's to further their study of ecosystems and phylum's.

Chemistry Honors

1 Credit

Chemistry I Honors focuses on matter, its properties, and its changes. During the year, the following topics will be covered: measurement, problem solving, atomic structure, the periodic table, chemical bonding, stoichiometry, gases, solutions and oxidation-reduction reactions. While the content focus of this course is consistent with the Chemistry I course, students will explore these concepts in greater depth and with greater academic pace and rigor. There is an emphasis on the mathematical approach and experimental data analysis. Laboratory investigations that include the use of scientific inquiry, research, measurement, problem solving, laboratory apparatus and technologies, experimental procedures, and safety procedures are an integral part of this course.

Co-requisite: Algebra 2

Anatomy and Psychology Honors

1 Credit

This course considers the two complementary branches of science: Anatomy and Physiology. These two sciences provide the concepts that help understand the human body and how it works. Anatomy studies the structure of body parts and their relationship to one another. Physiology studies the functions of the body parts work and how they carry out their life-sustaining activities. Students will learn basic anatomical terminology, biochemical composition of the human body, and all the major systems in great detail. Additionally, this course includes laboratory learning experiences with dissections of owl pellet, sheep brain, cow eye, sheep heart & kidney and a cat dissection.

Human Anatomy

1 Credit

This course will study the systems of the human body and how they work together. Students will learn basic anatomical terminology, biochemical composition of the human body, and all the major systems in great detail such as tissues, reproductive, integumentary, skeletal & muscular systems in the first semester. In the second semester, students will explore the nervous, digestive, urinary, cardiovascular, and respiratory & lymphatic systems. Additionally, this course includes laboratory learning experiences with dissections of owl pellet, sheep brain, cow eye, sheep heart & kidney and a cat dissection.

Marine Science

1 Credit

This course is a discussion and laboratory based class that will examine the study of life in the ocean. Students will investigate the following topics: marine ecosystems, properties of water, migrations in the sea, exploring the seafloor, ocean biodiversity, marine ecology, marine life, waves, tides, and the human impact on marine life. Students will do an in-depth study of marine phyla which will include several dissections of organisms such as starfish, squid and sharks. As part of the course students will participate in both off-campus fieldtrips as well as hands-on labs in the classroom. Emphasis is placed on these laboratory activities and experiences.

Pre-requisite: Biology

Cost for fieldtrips is approximately \$100 for the year; one fieldtrip per quarter

Physics

1 Credit

This course is designed to give students an in depth understanding of the fundamental principles of Physics while developing problem-solving skills and reinforcing the application of mathematics skills. Students will explore the following topics; kinematics, vectors & two-dimensional motion, dynamics, conservation laws, thermal physics, simple harmonic motion, electricity, waves and sound, and optics. These concepts will be supported with labs and hands-on experiences.

Pre-requisite: Algebra 2

AP Biology

1 Credit

This course is designed to offer students a solid foundation in introductory college-level biology. This college level course will cover content in depth and place greater expectations on the interpretation and analysis of information than other biology courses. Students will analyze statistical data and model concepts acquired. Emphasis will be placed on scientific and analytical thinking as students examine the four big ideas that frame the course; evolution, cellular processes (energy and communication), genetics & information transfer, and interactions of biological systems. Most of what we know about biology today is the result of inquiry. Therefore, the inquiry in science and developing critical thinking skills is the most important part of this course. Students will complete formal lab reports for each of the required labs.

Pre-requisite: Both Biology Honors and Chemistry Honors

Summer work required

AP Chemistry

1 Credit

The AP Chemistry course provides students with a college-level foundation to support future advanced course work in chemistry. Students cultivate their understanding of chemistry through inquiry-based investigations, as they explore topics such as: atomic structure, intermolecular forces and bonding, chemical reactions, kinetics, thermodynamics, and equilibrium. This course requires that 25 percent of the instructional time engages students in lab investigations. This includes a minimum of 16 hands-on labs (at least six of which are inquiry based), and it is recommended that students keep a lab notebook throughout.

Pre-requisite: Chemistry Honors and Algebra 2

Summer work required

AP Physics 1

1 Credit

This course focuses on the topics typically included in the first semester of an algebra-based, introductory college-level Physics course. It will prepare students for future advanced coursework in the sciences. Students will develop critical thinking and reasoning skills while covering kinematics, Newton's laws, circular and rotational motion, law of gravitation, harmonic motion, conservation of momentum, conservation of energy, mechanical waves and sound, electrostatics and DC circuits.

Pre-requisite: Algebra 2

Summer work required

Space and Technology Engineering

.5 Credit

This semester course will introduce students to the design process and STEM principles. This problem-based course is designed to expose students to engineering & design principles, a brief introduction to space and flight, and how these are applied in our society today. The course will also explore STEM related fields and careers. Students will learn how advancements in STEM affect society and/or environment. They will also participate in a variety of STEM challenges that will require collaborative work, research, design, construction, analysis, writing and participation in projects based on real-world problems and curiosities.

History

World Cultural Geography

.5 Credit

This course is a comprehensive survey of the earth and its resources, and of the geographic and cultural features. Students will study the people in various regions and countries of the world organized around major world religions. Students will recognize the impact that world view has on the way one interacts with their surroundings. This course will be taught regionally after students have been taught the foundation of systematic geography.

World History

1 Credit

In this course students will study the scope of human history, seeing how different civilizations have developed over time. Through inquiry into the past, students will gain an appreciation and understanding of history as a story told among people much like them and come to understand global interdependence and connections among world societies. Since this course covers 6000 years of history, it is, of necessity, a survey class, hitting the highlights of the world's great civilizations but with plenty of fascinating details to keep it on a personal, human level. By the end of the school year, students will know and be challenged to understand how the major events and people of the past have shaped our world today.

AP World History

1 Credit

This course is designed to prepare students for intermediate and advanced college courses by making demands similar to those of a full year college survey course. AP World History develops a greater understanding of global processes, encounters, and interactions that have shaped human history since 8000 B.C.E. Daily activities focus on the mastery of a selective body of factual knowledge and the development of analytical skills required for success on the AP World History examination. Critical reading and writing skills are developed through the evaluation of primary and secondary sources, oral presentations, short essays, and research assignments. Several themes frame our study of world history. The overall theme of the course is that some of the knowledge of the past is necessary for understanding the present and for plotting a course to the future simply because the study of history permits us to understand our identity on many different levels. History is about asking questions, analyzing evidence in an effort to answer these questions, and constructing an argument based on this evidence.

Summer work required

United States History

1 Credit

This course is a comprehensive survey of United States history intended to give you a solid foundation of knowledge about the heritage of this country. The course will be taught chronologically, beginning with the colonization of North America and ending with the present. The course will cover events, leading figures, issues, failures, achievements, beliefs, and lifestyles. The study of American history endeavors to continue preparation of you in understanding historical events in light of a Biblical worldview. By examining the American viewpoint of history, you will explore the noteworthy events and people that have influenced the development and progress of American society.

AP United States History

1 Credit

This college level course will develop student understanding of American history from 1491 to present day. Students will examine the historical concepts of US history as they consider the relevance of significant events, individuals, developments, and the processes from the nine historical periods studied in this course. They will apply the acquired thinking skills and methods used by historians as they analyze primary and secondary sources and make historical comparisons. Students will also employ chronological reasoning as they participate in the creating and supporting of historical argumentation. Seven themes will be considered that will help students connect the historical development represented in different times and places; 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.

Summer work required

American Government

.5 Credit

This course is a comprehensive survey of United States Government. We will progress topically, beginning with the origins of our Constitution, then covering each branch of our federal government. The goals of this course are to increase understanding of the American political system, its framework, and traditions and values. This course is concerned with the nature of the American political system, its development over the past two hundred years, and how it continues to function into the twenty-first century. By the end of the semester you will have the knowledge to become responsible citizens who view the government and your role in it with a Biblical worldview.

Economics

.5 Credit

This course is a comprehensive survey of basic economic principles. The purpose of this course is to give students a broad understanding of the Biblical, personal, and fundamental principles of economics. This foundation should assist the students in understanding the economic issues around them and help to prepare them for further academic endeavors in economics. The study of Economics will help students become better decision makers and develop an economic way of thinking and problem solving. The understanding of economic principles will enable students to live their lives more intentionally as Christians, responsible citizens and effective participants in the global economy. The following topics will be covered; scarcity and factors of production, economic systems, supply and demand, price, market structure, circular flow of income and products, business and competition, money and banking, and national economic concerns such as productivity, unemployment, and inflation.

AP European History

1 Credit

This college level course will develop student understanding of European history from approximately 1450 to present day. Students will examine the historical concepts of European history as they consider the relevance of significant events, individuals, and historical developments over time. They will apply the acquired thinking skills and methods used by historians as they analyze primary and secondary sources and make historical comparisons. Students will also employ chronological reasoning as they participate in the creating and supporting of historical argumentation. Five themes will be considered that will help students connect the historical development represented in different times and places; interaction of Europe and the world, poverty and prosperity, objective knowledge and subjective visions, states and other institutional of powers, and individuals and society.

Summer work required

AP Psychology

1 Credit

This college level course is designed to introduce students to the field of psychology. The course is designed to introduce students to the systematic and scientific study of the behavioral and mental processes of human beings and other animals. Students will be exposed to the psychological facts, principles, and ideas associated with the major subfields within psychology. Students will study the following topics in this course; the history, research methods, biological bases of behavior, sensation and perception, states of consciousness, learning, cognition, motivation and emotion, development, personality, abnormal psychology, testing, treatment of psychological disorders, and social psychology. They will also learn about the methods that psychologists use in their science and practice.

Summer work required

Bible

Bible 9

1 Credit

The 9th grade Bible course is designed to provide student with a deeper desire to draw near to God and faithfully follow Him. The greatest goal of this Bible course is to help a student grow in his/her spiritual life. Throughout this course students will investigate the topic of worldview and how they are able to grow in the Lord despite the influences of the secular world and how the Scriptures can be applied on a daily basis. Students will study the following texts: [The Case for Faith](#) by Lee Strobel, Genesis and the Creation account, [Not a Fan](#) by Kyle Idleman, and portions of the books of I John and Philippians. The study of these books & passages will be discussion-based focusing on how they relate to life. Students will also discuss the importance of Christian service and will journal their spiritual growth throughout the year.

Bible 10

1 Credit

The 10th grade Bible course builds upon the goals to obtain a deep desire to pursue relationship with God and grow spiritually that were established in 9th grade Bible. Students will study the Ten Commandments and the Epistle of James. They will also read and discuss The Case for Christ by Lee Strobel and The Screwtape Letters by C.S. Lewis. Throughout this year students will participate in an overview of influential Christian thinkers, such as CS Lewis. The course will also investigate the major worldview shift called “the Enlightenment”, identify major beliefs of various world religions, as well as review the basic concepts of Biblical interpretation and applicable rules.

Bible 11

1 Credit

The 11th grade Bible course leads students through the beginning processes of basic Bible interpretation and personal application of scriptural principles, as well as a systematic exposure to the Biblical doctrine of Jesus Christ. Students will also examine contemporary events, philosophies and personalities in light of Biblical standards. They will investigate the Biblical books of Judges and the Gospel of John, emphasizing life-lessons in the Biblical text for contemporary times. This discussion-based class will incorporate the process of personal journaling and exposure to selected Christian authors. Students will read Mere Christianity by C.S. Lewis, selections from The Fight by John White, and the missionary account Peace Child by Don Richardson.

Bible 12

1 Credit

The 12th grade Bible course leads students to a greater competency in the processes of Bible interpretation and personal application of scriptural principles. Students will be exposed to detailed evidences for God’s existence as well as the veracity of scripture, and will investigate ways to meaningfully respond to inquiries and objections to Christianity in a manner consistent with scripture and Christian doctrine. Students will study and discuss the life of David in the books of I and II Samuel, and read selections from the book Exploring Apologetics. Through the video series “TRUE U” by Focus on the Family, students will study and discuss the many dimensions of a worldview that is based upon the truth of the Bible. The intention of this major emphasis of the course is to enable you to understand and accurately express that worldview. Each senior student will systematically examine and prepare material for presentation of his/her personal understanding of a Biblical worldview as it is taught/examined in this course. This verbal presentation will be given before a small panel of teachers and/or administrators.

Intro to the Bible 1

1 Credit

This Intro to Bible course, created to assist international students, is designed to provide an exposure to basic Bible content and an overview of Christianity. This class will provide a clear explanation of Biblical salvation and what that means for all eternity. Students will learn to understand Biblical principles and begin to see how they relate to daily living. Students will participate in an overview of Old Testament as well as an investigation of primary concepts of the Christian faith.

Intro to the Bible 2

1 Credit

This Intro to Bible 2 builds upon the material covered in Bible Intro 1. It reinforces the explanation of Biblical salvation and what that means for all eternity. Students will participate in an overview of the New Testament as well as continuing to investigate the primary concepts of the Christian Faith. The students will also study the following texts: The Case for Faith and The Case for Christ both by Lee Strobel.

Pre-requisite: Bible Intro 1

World Languages

French 1

1 Credit

This course will introduce students to French pronunciation and the simple grammatical structures which they will apply to the basic communication skills of speaking, reading, listening, and writing. Students will be exposed to the history and culture aspects of art, music, and literature from France, as well as other Francophone countries. This course will introduce students to beginning vocabulary to include greetings, introductions, family, friends, school, daily activities, food, traveling, and home life. Students will also memorize John 3:16 and participate in activities to expand their exposure to the language and the culture throughout the year.

French 2

1 Credit

French 2 builds upon the beginning language skills learned in French 1. More detailed grammatical structures are introduced. New vocabulary includes daily activities, life at home, clothing, music and entertainment, vacation and travel, and transportation. Various aspects of French culture, history, arts, and literature are also presented. Students will be expected to comprehend basic conversations, directions, and presentations in French. They will use French to express themselves in everyday conversations, to briefly discuss subjects of interest, and present a short presentation on a prepared topic demonstrating correct pronunciation and oral expression. Students will continue to develop their writing skills as they compose clear and understandable text in French using resources as necessary. Students will also memorize and recite various Bible verses in French, and participate in activities to further advance their language development.

French 3 Honors

1 Credit

French 3 Honors provides further and deeper investigation into the introductory courses of French 1 and French 2. Through immersion and explanatory videos, texts, exercises and activities, students will deepen their proficiency of French grammar and vocabulary on many different topics. Students will also apply this knowledge to life-like situations in writing, speaking and listening. Activities aim at recreating scenes from everyday life and providing keys to manage these situations in French. This course will also provide a deeper exposure and understanding of the French culture and the French people. Emphasis is laid on the understanding of others, their way of thinking and their life-style. Students will also demonstrate their proficiency of interpreting and producing language through written and spoken form through an interpersonal, interpretive, and presentational approach to language instruction. They will also memorize and recite various Bible verses in French, and participate in activities to deepen their appreciation and proficiency of the language.

French 4 Honors

1 Credit

French 4 is an immersion course designed to expand and strengthen the language skills learned in French 3. Students will increasingly use complex grammatical structures and vocabulary, and are expected to comprehend French in conversations and directions. They will be expected to use French to express themselves in conversations, discuss current events and subjects of interest, and make an extended presentation on a prepared topic. Emphasis will be placed on students demonstrating a mastery of correct French pronunciation and oral expression. Students will also be exposed to authentic sources and materials, both informational and literary, which they will interpret and analyze. They will also memorize and recite various Bible verses in French that proclaim the Gospel message, and participate in activities as they demonstrate mastery of the language.

Spanish 1

1 Credit

This level 1 language course is designed to introduce students to the structure of the Spanish language and the rich culture of the Spanish people. Students will develop their skills and basic understanding of the language through their study of thematic units prolific of vocabulary and grammatical instruction and practice at a Novice-Mid proficiency. Students will learn the present and preterit tenses along with other basic grammatical structures. They will participate in daily activities aimed to develop language production of the written and spoken language. Students will be expected to interpret and comprehend basic communications and conversations. Emphasis will be placed on introducing students to cultural aspects of Spanish culture in order for students to gain an appreciation for the people and language of both ancient and modern Hispanic countries.

Spanish 2

1 Credit

This level 2 language course will build upon and expand the introductory skills taught in Spanish 1. Students will extend their understanding of grammatical structures and gain working knowledge of the present, past, and future tenses. That is the end of line 1, all of line 2, and part of line 3 in the paragraph corresponding to Spanish-2 description. They will also increase their acquisition of thematic vocabulary through their expanded study of units. Students will be expected to interpret, comprehend, and produce language with greater ease at a Novice-Mid to Novice-High proficiency. They will learn to communicate through both written and spoken form as they participate in more in-depth conversations and in class guided writing activities. Additionally, students will be exposed to authentic sources and materials in target language. Emphasis will be placed on further exposing students to Hispanic culture through the study of current events and the geography of Spanish speaking countries.

Spanish 3

1 Credit

This level 3 language course focuses on continuing to develop the skills taught in Spanish 2 with the goal of reaching a Novice-High proficiency. Students will build upon the tenses taught in Spanish 2 in all their variations and combinations through the subjunctive mood. They will use basic language structures and vocabulary with accuracy in order to express themselves in spoken and written form, as well as interpret language by either reading or listening to real life language samples. Emphasis will be placed on continuing to expose students to the study of the Hispanic culture and the events and geography that surround the Spanish speaking world.

Spanish 3 Honors

1 Credit

This level 3 honors language course is rigorous and challenging with the goal of providing students with the most recent research-based instructional strategies and materials promoting a stronger command aimed to reach a level that goes beyond a Novice-High proficiency of language. The students will have daily opportunities to demonstrate their developing proficiency and command of language, as they are simultaneously broadening their knowledge of the Spanish culture through the study of thematic units. Students will be exposed to more complex grammatical structures such as the subjunctive mood and multi-clause sentences.

Spanish 4 Honors

1 Credit

This level 4 honors language course is a rigorous and challenging course taught mostly in Spanish, with the goal of providing the students with the most recent research-based instructional strategies and materials promoting a stronger command of the Spanish language for each student. The students will have daily opportunities to demonstrate their developing proficiency and command of language, as they are simultaneously broadening their knowledge of the Spanish culture through the thematic approach designed in the course e-text and learning management system. The course will enhance student acquisition in the three modes of communication (interpretive, interpersonal & presentational) from the intermediate to pre- advanced range.

AP Spanish Language and Composition

1 Credit

This college level course is a rigorous course taught exclusively in Spanish, with the goal of promoting a strong command of language for the students and for the purpose of expanding their proficiency across the three modes of communication (Interpretive, Interpersonal & Representational) from intermediate to pre-advanced range. The course is divided into thematic units which are grounded in recommended contexts and guided by essential questions. The themes required by AP College Board will be integrated and developed within the units; global challenges, science and technology, contemporary life, personal and public identities, families and communities, and beauty and aesthetics. The units are integrated to include cultural elements and activities which are designed to incorporate the three modes of communication for the purpose of encouraging open dialogue and collaborative participation in the Spanish language. The mechanics of the language will also be integrated within the contextual and thematic framework of the course.

Pre-requisite: Spanish 4 Honors

Summer work is required

Chinese 1

1 Credit

This beginner's level course focuses on the writing, reading, and speaking of Chinese Mandarin in daily conversation. It will provide an overall view of the Chinese language and Chinese cultures. Students will learn to self-introduce, get to know others, socialize with others, count numbers, and talk about family members in Chinese. **At this beginner's level, students will start recognizing the Chinese characters without Pin Yin to help them read.** They will learn about the different Chinese festivals, holidays, and foods. Students will be expected to learn through the course of a unit of study and they will be expected to write and read the Chinese characters by using the Pin Yin input on their electronic devices. They will be studying Simplified Chinese instead of Traditional Chinese characters which have less strokes. At the completion of each unit of study, students will be applying what they have learned as if they were communicating with a Chinese speaker.

Chinese 2

1 Credit

This course builds upon and expand the vocabulary and grammatical skills introduced in Chinese 1. Instruction will be focused on helping students to engage in everyday conversations such as talking about the weather, what people are doing, asking directions, traveling to China, talking about different classes at school, etc. Students will be exposed to more complex vocabulary and grammatical structures as well as learn to recognize the Chinese characters without pronunciation, also known as Pinyin. Students will also continue their study of Chinese culture as they are exposed to a variety of experiences in and out of the classroom.

Chinese 3 Honors

1 Credit

This course further develops language skills attained in Chinese 2. Students will learn traditional characters in addition to the simplified Chinese characters. Students will work through 12 units of study which will be focused on a variety of real-world scenarios such as how to talk about daily activities such as watching a performance, diet and health, and travel plans to name a few. The students will also learn idioms and how to apply them in conversation. They will also work on deepen their understanding of the differences between western and eastern cultures such as diet & health, festivals, medicine, etc. Students will participate in cultural activities and experiences in and out of the classroom which will require their application of language skills acquired thus far.

Physical Education

HOPE

1 Credit

This course is a combination of Health and personal fitness, therefore students will receive classroom instruction as well as hands on physical activity. A wide array of topics will be covered from health and physical fitness to establishing and maintaining a fitness program. Students will study movement & coordination, cardiovascular & respiratory health, exercise & lifelong fitness, preventing injuries, and first aid.

Weight Training

1 Credit

This course will utilize a variety of training methods, techniques and programs to increase both muscular strength and endurance. Emphasis will be placed on appropriate exercises for each individual and safety procedures for each student. Students will gain an understanding of the basic principles of resistance training. They will also be introduced to dynamic stretching, plyometric, agility, speed training, and core strengthening.

Team Sports

1 Credit

This course will combine physical skill as well as the general knowledge that is relevant to each sport covered within the curriculum. Each unit will include but is not limited to sport specific knowledge, skills, modified and tournament games. The course will cover volleyball, basketball, badminton, speedball, football, and soccer. Students will study the fundamentals, rules, skills required, and strategies applicable to each sport.

Technology

Digital Design

1 Credit

In this course students will learn the essential skills to use Adobe InDesign, Photoshop, and Illustrator. Using InDesign, students will learn to design and create professional-quality letterhead, business cards, brochures, forms, and explore the best ways to create different types of material. Students will learn to reuse items such as colors and artwork, and how to produce publications for different page sizes and devices. Using Photoshop, students will master techniques to edit and enhance digital images. Using Illustrator students will learn to apply and work with color, create shading effects and painterly brushstrokes, and add special effects such as 3D to drawings.

Yearbook

1 Credit

This course provides students with a marketable experience in print media. Students will perform all elements of the publication process in order to produce the Cambridge Christian School's yearbook. They will master the web-based publication design software and study various aspects of journalism, such as design rules and layout techniques, writing and editing, interviewing, story research, and creating interesting, accurate photo captions. The basic rules in setting up/taking group, candid, and action photographs will be introduced. As students gather and analyze information, interview individuals, and take notes, students will be required to utilize various language arts skills and develop both critical thinking and interpersonal skills. Time management and the business concepts of marketing, sales, and ads will come into play as students also assist in ensuring the year's publishing contract is covered. The students become a cohesive team working together to meet deadlines.

Application required

Business Technology

1 Credit

This course provides a thorough introduction to the steps and skills necessary to start a small business, including financial statements and a business plan. Through research and hands on activities students will learn new technology skills and improve existing technology skills as they follow the steps to create a mock small business. Students will also create a WordPress.com site and blog. They will use WordPress to create pages and posts, add images and videos, change a site's look and feel, and include user-friendly features. They will use WordPress design themes to express their business' brand and learn the technical elements of WordPress, such as how to organize a blog or website, create appealing content, and achieve better positions on search engine results pages. Students will also be introduced to Python 3 Programming. Students will create basic programming structures including decisions and loops. Students will create Python programs with graphic elements and graphical user interface (GUI) objects like buttons and labels.

AP Computer Science

1 Credit

This course, like other advanced placement classes, is the equivalent to a college-level introductory course of the same topic. Students will develop problem-solving skills, understand the importance of object oriented programming, and learn how computers ‘think’. By the end of the class, students will be able to read and write basic programs in Java, design and implement computer programs in general, and debug programs by finding and fixing errors.

Foundations of Robotics

1 Credit

In this course, students will learn the basics of building and programming robots to operate autonomously. Students will design and build robots to perform specific tasks, and program them to accomplish those tasks as efficiently as possible. Practical applications like competition and commercial robots will be a major focus. By the end of this course, students will understand the ‘thinking’ process of robots and goal-oriented design.

Visual Fine Arts

Foundations of Art

1 Credit

At the high school level, Foundations in Art is designed to be an opportunity for students to experience a wide variety of media and demonstrate an understanding of various art techniques and skills. Students will also develop and appreciation for and a broadened knowledge of various cultures, traditions and artistic periods and styles. The students will learn to create visual representations of artworks using techniques, materials and/or styles used by renowned artists; learning both from examples and hands-on opportunities. They will also observe and identify and implement the element & principles of art, various art media, methods and techniques. Students will be expected to produce a variety of 2D and 3D works of art; mark-making, drawing, painting, design, relief and sculpture in the round.

Advanced Art

1 Credit

At the high school level, Advanced Art is designed to be an opportunity for students to expand their skills and methodology in the creation of artworks. They will continue to explore a wide variety of media and begin to develop a more personalized approach to art techniques and skills while employing the elements of art and principles of design. Artworks will be expected to begin to show a growing understanding of how to exploit these parameters to create quality artworks. Students will also continue to broaden their knowledge and appreciation for art from various cultures, traditions, and artistic period. Students will also be exposed to contemporary artistic methods and styles. The students will strengthen their ability to make inferences and their application from artworks to begin to develop and transition their work toward unique interpretations through studying examples and hands-on opportunities. They will also analyze art styles and techniques as methods to both emulate and “spring-board” from in the making of their own art.

Pre-requisite: Foundations of Art

***Mandatory:** Attendance to a required presentation at the end of this school year. Students will be required to create photography of their own over the summer as reference/subject matter for their artworks.*

AP Studio Art – Part 1 and Part 2

1 Credit per course

High school students entering into AP Studio Art must be willing to accept the challenge of a rigorous academic curriculum. AP Studio Art is for highly motivated students who are seriously interested in the study of art; the program demands significant commitment to the process and completion of each project both during and outside of school hours. AP Art Studio Art is designed for students who are seriously interested in the practical experience of art. AP Studio Art is not based on a written exam. Students must submit portfolios for evaluation to the College Board toward the end of the school year. The student must be prepared to create not less than 20 pieces of art demonstrating breadth (range of approaches), quality (selected works) and concentration (sustained investigation). AP Studio Art sets a national standard of performance in the visual arts and students may submit a portfolio in one of 3 areas.

Pre-requisite for Part 2: AP Studio Art Part 1

***Mandatory:** Attendance to a required presentation at the end of this school year. Students will be required to create photography of their own over the summer as reference/subject matter for their artworks.*

Performing Fine Arts - Instrumental

Band

1 Credit

This is a course for students with previous concert band instrument experience. Students will participate in both Pep Band and Concert Band. Students develop instrumental technique through scale studies, technique drills, and warm ups. A variety of genres and styles will be prepared throughout the year for performances, to teach music history and theory, and to reinforce instrumental technique. Students are encouraged to participate instrumental activities outside of class such as private lessons, local youth bands/orchestras, summer band camps, and competitions such as FBA District 7 Solo & Ensemble. Band members are required to participate in all scheduled performances. The band performs at all home football games, Performing Arts Showcase, Christmas Concert, Spring Concert, Disney Performing Arts On Stage, and a variety of other performance opportunities.

Music Theory

1 Credit

This is a course for students who desire to enrich their musical abilities through the study of music theory and practice of aural theory. Students will be introduced to and expected to master rhythmic and tonal dictations, musical notation, musical terminology, modes, and harmonic styles. Students will complete homework assignments, take quizzes, and written tests. Although this music class is hands-on in many ways, it is more of a traditional “pen and paper” class than your typical music class.

Guitar 1

.5 Credit

This semester course is for students with no previous training or experience with the guitar. Students will participate in a hands-on, group lesson style class. Tuning the guitar, basic guitar terminology, chord progressions and structure, strumming technique, rhythm studies, basic music theory, and barre chords are, among other topics, what the students will be introduced to and expected to master throughout the semester. Students participate in weekly skill assessments. Students are required to provide their own guitar. Only acoustic and classical guitars are acceptable. No electric or bass guitars.

Guitar 2

.5 Credit

This semester course is for students with basic guitar training and experience. Students will participate in a hands-on, group lesson style class. The main focus of the semester is reading guitar music in both tablature and treble clef notation. Rhythmic training, picking technique, ensemble and solo playing, transposing, 1st and 5th position scales, and basic music composition and recording are what the students will be introduced to and expected to master throughout the semester. Students participate in weekly skill assessments. Students are required to provide their own guitar. Only acoustic and classical guitars are acceptable. No electric or bass guitars.

Pre-requisite: Guitar 1

Chapel – Tech & Praise Band

.5 Credit

This course is for students who feel led to serve the student body in corporate worship each week in Chapel. Through the studying of God’s Word and rehearsal of praise and worship songs, students will prepare worship sets to perform in Chapel. Students who are leading worship are expected to be upstanding models in both word and deed among the student body.

Application Required

Performing Fine Arts - Choral

Chorus

1 Credit

This course will explore choral music from a wide variety of cultures and time periods through study and performance. The core curriculum emphasizes the basics of vocal technique, sight-reading, music theory, and music history. Students in Chorus are expected to participate in one evening concert each quarter as a major part of their grade. Participation in this chorus does not require audition.

Concert Chorus

1 Credit

This upper-level performance opportunity is offered to more experienced choral music students. Students will continue to develop vocal technique and musicianship as well as develop critical thinking skills through the analysis of musical elements, including form and text. Students are expected to participate in one evening concert each quarter as a major part of their grade as well as a few other performance opportunities that arise throughout the year.

Pre-requisite: Chorus

Audition Required

Ensemble

1 Credit

Lancer Ensemble is a mixed ensemble that combines the movement of dance and singing to perform literature from various selected eras of musical history. Through this course, students will develop greater musicianship, proper use of breath support, phrasing, interpretation, postures, stage presence, and the other important musical disciplines. In this class students will study and perform vocal music spanning a variety of genres. Individual solo performances will be expected. Participation in one evening concert per quarter is required.

Pre-requisite: Concert Chorus

Audition Required

Musical Theatre

.5 Credit

This course is an exploration of American Musical Theatre. Students will study the work of the actor/singer/dancer and use their gained knowledge to develop as performers. Students will prepare and present as soloists as well as members of small groups and larger ensembles. Since this is a workshop course, students will prepare material for class presentation and critique. There will also be a focus on the audition process as well as musical theatre history and repertoire. Finally, the class will participate in a culminating showcase at the end of the semester.

Performing Arts – Theatrical

Drama 1

1 Credit

This course will instruct students in stage movement, pantomime, improvisation, the characterization process, dramatic readings, scene preparation and audition techniques. Students will use observation, concentration, imagination, and memory “muscles” to initially develop their dramatic talent, and they will focus on using that talent to glorify God, their “audience of One”. Students will also apply what they have learned in the Fall Drama and the Spring Musical, and will perform, with direction, in class projects throughout the year.

Drama 2

1 Credit

This course will expand, apply and develop what students have learned in Drama 1. Emphasize the following skills: team ensemble work, in-depth character development, including motivation, behavior, and portrayal, monologues, storytelling, independent directing, basic costume, make-up and set development, and blocking design. Students will independently incorporate their “acting muscles” into these advanced skills to fully develop their dramatic talent, and use it to glorify God. Not only will students prioritize their participation in the Fall Drama and Spring Musical, but they will lead in-class production teams, and have the opportunity to perform in off-campus venues.

Pre-requisite: Drama 1