

Ontario Christian High School

Growing Christian Leaders

Course Offerings

A Bible Department

701 Old Testament

This freshman course is a general overview of the Old Testament. The Old Testament is the account of creation, sin and redemption. God created the heavens and the earth, making man in His image. Therefore, mankind is unique and has a special relationship with God the Creator. Sadly, God's creation rebelled against God and fell, affecting all mankind and all of creation with the consequences of sin. The good news is that God is a merciful and gracious Creator, who promised and effectuated redemption in the form of the promised Messiah, His son the Lord Jesus. This class surveys this theme of Creation, Fall and Redemption through the history and characters in the Old Testament. Major personalities and events are highlighted and God's covenant faithfulness to His creation is emphasized. The Messianic promise woven throughout the pages of Old Testament scripture is especially noted.

702 New Testament / Church History

This sophomore course deals with the Christian philosophy of history in which the events of the past are viewed, just as is all of life, as revelation from God. The New Testament books are also examined, noting God's faithfulness throughout. Particular teachings in most books are also brought to the attention of the students. History is a record of God's revelation in the affairs of humans. The Christian is to view history as being God-centered. The course covers the history of God's work in and through the Church.

703 Reformed Bible Doctrine

In this junior course students are aided in being rooted and built up in Christ Jesus by examining basic doctrines of God's infallible Word. Through the proper understanding of doctrine (teaching), one may be grounded and able to grow in the grace and knowledge of God. Through diligent study of biblical teaching, one is able to establish himself in the Christian faith. In studying the Bible, one is able to better understand God the Creator and even himself.

704 Religions Today

This senior course is a comparative religion course that presents the uniqueness of Christianity as it is compared to the cults and other world religions. At the outset, a defense is made for the claim of Christianity as the only valid belief system. Since it alone provides the preconditions for intelligibility, all other claims are invalid. The major cults, as well as others, are studied with some detail, noting where and how they differ from the Christian belief and worldview. Other world religions and philosophic positions are examined as well.

705 Chapel Leadership Class

This class serves as the chapel planning team for the high school campus. They plan, prepare, present, and evaluate chapels during the school year using leadership and teamwork skills and incorporating them into the work they do for chapel. Students interested in taking this class must first complete an application and interview process.

710 Revelation

This is an elective class in which the book of Revelation is studied in some detail. Varying interpretations are compared and contrasted. Students will study each chapter of Revelation as well as relevant passages in both the Old and New Testaments.

712 Bible 101

This course is designed for international students who have limited knowledge of Christianity with an emphasis on developing the student's speaking and listening skills. Students are introduced to basic terminology, concepts, and themes of the Bible that are necessary for students to understand the Christian worldview and how it applies to the Christian life. The course reveals the Bible to be the revelation of God to man, His purposes in history, and the current and future unfolding of His kingdom. Students are taught the relationship between the Old and New Testament: where we came from, what went wrong, and God's redemptive plan. Students are encouraged to dialogue about their different worldviews and to understand the historical and cultural context of each period. The first semester involves a study of the main plot of the Old Testament while the second semester focuses on the life and teachings of Jesus Christ and the beginnings of the early church. The course can be taken as a semester course or for the entire academic year.

B Technology Department

451 Computer Applications/CEO Challenge

This course is required and is designed to introduce students to the MS Office Program and Google Docs. Students will gain a thorough working knowledge of nine major technology areas: word processing, spreadsheets, database, desktop publishing, graphics, multimedia, internet, operating systems, and computer basics. Students will also be challenged individually to build their keyboarding skills. The class will give the students a foundation in basic business and entrepreneurship principles. This is a one-semester course.

451.1 Computer Coding

This advanced class teaches students the basics of computer programming. Students will learn basic skills using block programs like Scratch and Blockly. Students will also learn more advanced coding by using programs such as HTML and Python. Much of this class will be student-directed and self-paced.

452 Media Production

This technology/media class has three strands. First, students will learn how to create excellent media through various video editing and web content applications. Secondly, students will learn how to discern various forms of media from a faith perspective. Third, students will learn how to approach media creation and media consumption as a way to love God and love our neighbor.

455 Graphic Design I

This course is designed to give students experience in the use of several software programs that enable the user to create, manipulate, and integrate images and text for publication. Projects may include the production of items such as ads, brochures, CD covers, corporate identity logos, greeting cards, etc. The software being used is Adobe Photoshop (for manipulation of existing images) and Adobe Illustrator (for original image creation and computer-based drawing). The student work will progress from learning the software to using the software to create aesthetically pleasing design on the computer. This is a hybrid computer/art course, because it also focuses on maintaining good design principles and utilizing the elements of design throughout.

456 Graphic Design II (not currently offered)

This course offers a beginning to the study of animation. The programs being used are Adobe Animate (for basic web-ready animations), Macromedia Flash (for higher-end, interactive, multimedia animations), and

Alias Wavefront Maya PLE (for 3D graphics and animation). Students will incorporate concepts of animation into their work.

458 Business Enterprise

This course is an introduction to starting and operating a business. There is a great need for Christians in this area. The processes of taking a business idea from the idea to the opening of the place of business is both studied and applied. The goal will be to start and operate a business on the campus.

C English Department

101 English 9

Students will increase vocabulary skills by studying word roots. Grammar and punctuation is reviewed and expanded. In addition, students will write interpretations of literature based on observations of textual evidence. Furthermore, students will interpret and analyze literature through the study of various novels, poems, and short stories. Students will also expand on research skills while writing a research paper. Assigned novels may include: *Night*, *Romeo and Juliet*, *the Odyssey*, *Old Man and the Sea*, and *Animal Farm*.

101.1 Honors English 9

Honors English 9 is a Pre-AP course designed to begin preparing students for the rigors and challenges of Advanced Placement Literature & Composition. Students will write interpretations of literature based on observations of textual evidence while considering elements such as figurative language, imagery, symbolism, and tone. In addition, students will write interpretations of literature based on analysis of textual details while considering the work's structure, style, and themes. Furthermore, students will interpret and analyze literature with critical analysis of structure, style and themes, figurative language, imagery, symbolism, and tone.

102 English 10

English 10 focuses on developing students as critical readers and writers. With an emphasis on close reading and literary analysis, reading instruction focuses on analyzing key ideas and details, author's craft and structure, and an integration of knowledge and ideas in both fiction and non-fiction texts. Class discussions and assignments require careful observation of text with consideration of style, themes, social and historical value, figurative language, and literary techniques. Students will write for a variety of purposes and work to produce, evaluate, and revise narrative, persuasive, analytical, and research writing using clear organization and appropriate style and tone. Writing instruction focuses on the conventions of Standard English grammar and usage, and helps students develop variety and fluency in writing simple and compound sentences.

102.1 Honors English 10

Honors English 10 is a Pre-AP course designed to begin preparing students for the rigors and challenges of Advanced Placement English courses. Reading focuses on analyzing key ideas and details, craft and structure, and an integration of knowledge and ideas in both literary fiction and non-fiction text. Honors English 10 will utilize texts with increased complexity and sophistication with an additional emphasis on close reading and literary analysis. Class discussions and assignments focus on more careful observation of text with consideration of text structure, style, themes, social and historical value, figurative language, and analysis of literary techniques. Students will write for a variety of purposes and work to produce, evaluate and revise narrative, persuasive, analytical, and research writing using clear, coherent organization and appropriate style and tone. Writing instruction also includes a focus on developing skills related to the criteria used for the AP test free response assessment. Students will demonstrate command of the conventions of Standard English grammar and usage, learning to develop variety and fluency in the writing with more complex sentence structures utilizing phrases, clauses, and parallel structure.

103 English 11 - American Literature

English 11 includes an intensive study of the works and writings of American authors in several genres from the sixteenth century to contemporary times. It is designed to teach students to analyze text and write an interpretation of a piece of literature that is based on careful observation of textual details, considering such elements as the use of figurative language, imagery, symbolism and tone. Within this students will analyze the themes that result from historical, social, and cultural values. Heavy emphasis is placed on vocabulary development and usage. (Enhancing reading comprehension and test taking skills) This course teaches and requires students to write in several forms (e.g., narrative, analytical, and argumentative) to develop logical organization, enhanced by specific techniques to increase coherence. Such techniques may include traditional rhetoric structures, graphic organizers, and work on repetition, transitions, and emphasis. Students are expected to write essays that analyze text and become increasingly aware of themselves as writers and/or aware of the techniques employed by the writers they read. Assigned novels may include: *The Crucible*, *The Great Gatsby*, *The Scarlet Letter*, *The Red Badge of Courage*, and *Fahrenheit 451*.

104 English 12 - British Literature

Attention is given to writing, vocabulary, analysis, and literature through the use of (among other resources) Power Writing and Prentice Hall's Literature-Timeless Voices, Timeless Themes- The British Tradition. Beginning with Anglo-Saxon literature, a rough chronological approach is followed in the study of British literature from the Anglo-Saxons to the Twenty-first Century Writers. Writing and reading comprehension skills will be honed through various strategies as well. Themes are connected to world literature and contemporary issues. Examples of major novels and plays covered in class are as follows: Beowulf, The Canterbury Tales, The Pilgrim's Progress, Hamlet, MacBeth and more. Each semester students are required to read at least two books outside of class passing a corresponding computerized test. First semester a persuasive essay emphasizing and employing evidence based arguments and rhetorical devices is required. Second semester a research paper that investigates and critiques an element of writing of a British author is required.

105 AP English Language and Composition

The AP English Language and Composition course aligns to an introductory college-level rhetoric and writing curriculum, which requires students to develop evidence-based analytic and argumentative essays that proceed through several stages or drafts. Students evaluate, synthesize, and cite research to support their arguments. Throughout the course, students develop a personal style by making appropriate grammatical choices. Additionally, students read and analyze the rhetorical elements and their effects in non-fiction texts, including graphic images as forms of text, from many disciplines and historical periods.
- College Board

106 AP English Literature and Composition

The AP English Literature and Composition course aligns to an introductory college-level literary analysis course. The course engages students in the close reading and critical analysis of imaginative literature to deepen their understanding of the ways writers use language to provide both meaning and pleasure. As they read, students consider a work's structure, style, and themes, as well as its use of figurative language, imagery, symbolism, and tone. Writing assignments include expository, analytical, and argumentative essays that require students to analyze and interpret literary works. -College Board. This course may include a zero period once a week from 7a.m.-7:50 a.m. In addition, this course may include a college-level grammar course which works through the textbook *Doing Grammar* by Max Morenberg. Summer reading and an application process may also be required.

120 Intro to Creative Writing

Creative writing enables the student to gain a familiarity and ease with writing skills, to grow in self-expression and creativity, and to promote a positive aesthetic response to fine art through journals, portfolios, reading, and peer editing. Projects are developed centering on writing as a process of prewriting, drafting, feedback, revising, and rewriting (and performance). Prose, poetry, and scriptwriting will be the focus areas. This course will be open to all 9-12 students, and it is not a prerequisite for Creative Writing. Due to the

intro-level nature of this class, it will be somewhat less involved than Creative Writing. Students will be compiling a final portfolio of their writings in this class and may be required to submit one of their writings for *The Knightingale*. Intro to Creative Writing will only be offered 1st semester and may not be offered each year.

121 Creative Writing

Creative writing enables the student to gain a familiarity and ease with writing skills, to grow in self-expression and creativity, and to promote a positive aesthetic response to fine art through journals, portfolios, reading, and peer editing. Projects are developed centering on writing as a process of prewriting, drafting, feedback, revising and rewriting (and performance). Writing experimentation and analysis of professional writing will be incorporated as well. Prose, poetry, and scriptwriting will be the focus areas. This course will be somewhat more intensive and refined than Intro to Creative Writing and may incorporate participation in the annual *Night of the Knightingale*, Talent Show, and other school events. This course may not be offered each year. This course will be reserved to 2nd semester seniors only.

122 Drama

Dramatic Arts is an elective course that emphasizes the process of informal acting. All projects will involve students in-group or individual participation: pantomimes, improvisations, monologues, scenes, and one-act play performances. Students will learn the foundations of acting which include: blocking, characterization, attention to detail, listening, speaking, and movement. Students will also learn a brief history on behind the scenes work which includes: directing, stage set-up, and sound/lighting, which will aid in an understanding of how to improve their overall acting skills. Students will be required to participate in one scripted and planned play for the student body (chapel/assembly).

123 Theater Arts

The Theater Arts course is designed to take an in-depth look at the many jobs to be done in mounting a show, from the formation of the company through auditions and rehearsals to the final live performance. Students will have a hands-on experience working in such areas as: Directing, Assistant Directing, Prop Management, Stage Management, Costume Design, Set Design, Hair and Makeup, Lighting and Sound, Graphic Design, Publicity and House Management. Students are required to be a part (by assisting in/with the technical crew) of the production of the spring play/musical.

124 Journalism

The objective of the course is for students to write and produce the school newspaper, *Knight's Helm*. Journalism is a course designed for students interested in newspaper journalism and/or developing their skills as a writer. The course explores media and the ethical responsibility of being involved in media. Students will learn the fundamentals of news, feature, editorial and sports writing. In addition, students will learn editing and interviewing skills. Students will create numerous original stories using varied structures and writing techniques. Students will also learn to create computer generated layouts and graphics using Photoshop and InDesign.

125 The Shield/Yearbook

Yearbook is a class that provides students the opportunity to plan, produce, and distribute The Shield yearbook for the high school community. All students will learn and practice the yearbook skills of photography, layout design, and journalism. This class develops the college-ready skills of communication, collaboration, and meeting deadlines. This is an application-approved class that requires the amount of dedication of an extracurricular activity.

810 Study Skills

The Study Skills Program is designed for tutoring and specialized accommodation services. Students eligible must meet test criteria which qualify them for an individualized accommodation plan. Ontario Christian High

does not offer a formal special education program. Students receive elective credit for the Study Skills class and may take the course for 1-8 semesters depending upon need.

D Fine Arts Department

601 Art Design A

Art Design A is a design course, where students learn the elements and principles of design as demonstrated in God's creation and artist's work. Students will work on two dimensional projects that use design concepts they have learned. Art Design A & B will meet the CSU and UC fine arts requirements.

602 Drawing & Painting A & B - may take more than one semester

Drawing and Painting is a course for the artist who wishes to improve skills and experiment with new media and techniques. Using design concepts from Art Design A & B, students combine them to make compositions from teacher prompts focusing on their unique preferences. Each semester will involve work on drawing skills will include work on painting skills, (oil pastels, acrylics, tempera, and watercolor). Prerequisite for this class is Art Design A & B with a B or higher grade.

604 Art Design B

Art Design B is the continuation of Art Design A. Students will learn basic three dimensional art concepts using a variety of art media. Prerequisite is Art Design A.

605 Ceramics A

Beginning Ceramics is a hands-on class for students to learn and experiment with both functional and sculptural clay construction. Pinch, coil, slab, mold making and use, and wheel work are the methods covered. The prerequisite for this class is Art I.

606 Ceramics B

Intermediate Ceramics is designed for serious ceramic students who want to perfect skills using advanced techniques. Wheel methods will be stressed. The prerequisite for this class is Art Design A & Ceramics A.

607 Photography A

This course is an introduction to the fundamentals of photography, discovered through the use of both film and digital methods. The course includes a brief overview of the history of photography, manual camera operation, film developing, darkroom printing and presentation, as well as digital editing in Adobe Photoshop. Students will learn both the artistic and technical principles of photography. This course is offered to 10th-12th grades and Art Design A & B are prerequisites.

608 Art History A

This is a one-semester course focusing on artworks around the world from prehistory to ancient Rome. In this course, students learn how to analyze a work of art through examining its purpose, historical context, iconography, elements of style, and fine art specific vocabulary. A portion of the class is also spent creating works of art influenced by historical styles. A class field trip to a local art museum is taken once during the semester.

617 Photography B*

This course is a continuation of Photography A.

618 Art History B

This is a one-semester course focusing on artworks around the world from the Middle Ages to the present. This course may be taken without having taken Art History A. Students will learn and practice the roles of an art critic, art historian, museum curator, and art restorer. A portion of the class is also spent creating works of

art influenced by historical styles. A class field trip to a local art museum is taken once during the semester.

650 Music Appreciation (A& B)*

Students in this course spend first semester learning about basic music literacy, musical terminology, and musical styles from the 15th century to the early 1900s. Second semester covers the history of American Popular Music from 1920-present. This class exposes students to a variety of styles of music, helps equip them with language and knowledge to engage music, and teaches about the importance of music in cultures around the world.

651 Band

The goal of the performing musical groups at Ontario Christian High School is to affect the lives of those who attend our concerts as we strive to give praise and honor to our almighty God. Symphonic band is open to freshmen through senior students. Those students wishing to be involved in this group need to commit to playing for various concerts and festivals that we have throughout the year. We work on quality instrumental repertoire that expands the student's knowledge of instrumental techniques and expression. The school provides proper concert attire to these participants for a small yearly rental fee. Band students can earn a letter with 6 semesters of band – a letter & bar for 8 semesters.

652 Men's Chorus

This entry-level men's ensemble (open to freshmen through seniors) works on a wide variety of repertoire (from 15th century European music to present-day World music) to teach basic music literacy, encourage healthy vocal technique, and expose students to a different kinds of vocal literature. Students in this class perform in four concerts each year as well as in a variety of on- and off-campus events.

653 Women's Ensemble

This entry-level women's ensemble (open to freshmen through seniors) works on a wide variety of repertoire (from 15th century European music to present-day World music) to teach basic music literacy, encourage healthy vocal technique, and expose students to a different kinds of vocal literature. Students in this class perform in four concerts each year as well as in a variety of on- and off-campus events.

653.2 Advanced Women's Ensemble

This audition women's ensemble (open to sophomores through seniors) works on a wide variety of repertoire (from 15th century European music to present-day World music) to teach basic music literacy, encourage healthy vocal technique, and expose students to a different kinds of vocal literature. Students in this class perform in four concerts each year as well as in a variety of on- and off-campus events.

654 Chorale

This audition-level mixed ensemble (open to sophomores through seniors) uses advanced SATB choral literature to continue teaching music literacy, healthy vocal technique, creative musical expression, and a wide variety of musical styles. Students in this class perform in four concerts each year as well as a variety of on- and off-campus events. Uniforms for these performances require a small additional fee upon admittance to the class.

E Mathematics Department

201 Algebra 1

Algebra is a two-semester course designed to prepare student for Geometry and Algebra 2 . Knowledge of pre-algebra concepts (fractions, decimals, ratios, percent, geometric measurement, and solving single variable equations) is expected. The course emphasizes the development of logical reasoning by learning concepts and procedures for writing, solving, and graphing linear equations and inequalities which facilitates solving

real-life problems. Algebra also includes the study of solving systems of equations, quadratic equations, exponents, functions, polynomials, radicals, and the quadratic formula.

207 Algebra A

This course is designed for students to learn algebra at a slower pace. Students will be introduced to variables and expressions, properties of real numbers, solving equations, graphing, and solving linear equations and inequalities. Half of the text is covered in this course, while the other half will be completed in Algebra B.

208 Algebra B

This course is designed for students to learn algebra at a slower pace. This course is a one-year course that covers the second half of the Algebra course. Students will be introduced to systems of equations, exponents, polynomials, quadratic equations and radicals. The prerequisite for this course is Algebra A.

202 Geometry

Geometry involves a formal study of deductive reasoning. This is performed through studying reality in terms of points, lines, and planes. Students will revisit graphing concepts, writing proofs, The second semester includes a study of congruent triangles, similar polygons, right triangles, constructions, and an introduction to trigonometry. A review of area and integration of the geometric concepts into the study of area is included, as well. The prerequisite for this course is Algebra 1 or Algebra A & B.

203 Algebra 2

Algebra 2 comprises the study of linear, quadratic, polynomial, inverse, exponential and logarithmic functions and their graphs. Attention is paid to solving equations, inequalities and solving systems of equations. In addition students are introduced to conic sections, statistics, sequences and series to prepare students for Precalculus and Statistics. The prerequisites for this course are Algebra 1 and Geometry.

204 Precalculus

Precalculus is a college preparatory mathematics course consisting of topics in both Algebra and Trigonometry. Students study twelve basic functions and their properties. Additionally, students delve into trigonometry and applications of trigonometry, which include vectors, parametric equations, and polar equations. The latter half of this course includes the study of matrices, analytic geometry, discrete mathematics, and probability and statistics. The prerequisite for this course is Algebra 2.

205 Advanced Placement Calculus AB

AP Calculus AB is equivalent to Calculus I at the college level that focuses on the study of functions, limits, derivatives, and integrals. Students study the relationships between these four main topics and their applications to real life phenomena. The prerequisite for this course is Precalculus.

216 Personal Finance

This course is intended for students to learn concepts about personal finances. The course follows the Dave Ramsey model for household finances.

220 Statistics

The purpose of this course is to introduce students to the major concepts and tools for collecting, analyzing and drawing conclusions from data. Students are exposed to four broad conceptual themes: exploring data, sampling and experimentation, anticipating patterns, statistical inference.

227 AP Calculus BC

AP Calculus BC is equivalent to Calculus II at the college level that expands on topics covered in AP Calculus AB. In addition to reviewing the basics of limits, derivatives, and integrals, this course covers vector calculus, polar calculus, and infinite series. The prerequisite for this course is AP Calculus AB.

F Physical Education Department

249-58 Physical Education/Health – 9th/11th grade

The physical education component of this course is designed to teach students the importance of physical fitness and its vital role in one's overall health. The curriculum includes team sports where students will learn the rules and skills of traditional sports, fitness skills based on national fitness tests, lifetime participation, and recreational games. Students earn their grades based on cognitive, affective, and psychomotor skills. It is the objective of the department that each student achieve success and gain an appreciation for wellness, fitness and lifelong physical activity.

The health component of this course focuses on the many aspects of overall health. The curriculum covers the effects of creation, fall and redemption as they relate to health. Students are exposed to the concepts of goal setting, mental health, nutrition, cardiovascular and strength training, drug education, and sex education. Students are encouraged to think about how their personal faith impacts each area of health and how they can honor God through healthy living..

253 Advanced Team Sports Physical Education

Students will participate in various sports including: volleyball, flag football, soccer, basketball, softball, and kickball. Students will be exposed to non-traditional games and physical activities. Students will be given the opportunity to be a captain of their own team, organizing the offensive and defensive aspects of each sport. They will make strategic decisions based on skill and experience to promote the success of their team.

254 Weight Training- Men

Weight Training is designed to teach the importance and benefits of strength and agility training. Students will be exposed to two upper body, and two lower body workouts per week. One day will involve a plyometric workout. Students will learn how to increase overall muscular strength.

259 Weight Training Women

Weight Training is designed to teach the importance and benefits of strength and agility training. Students will be exposed to two upper body, and two lower body workouts. One day will involve a plyometric workout. Students will learn how to develop the student's overall muscular strength. .

G - Science Department

300 Marine Biology

Marine Biology is designed as a one-semester science elective. The primary goal of Marine Biology is to become amazed at the unique plant and animal life God has created in the oceans. First Quarter will include an introduction to the physical geography, physical and chemical composition of marine water, and an overview of marine plant and animal life. Second Quarter will emphasize the ecosystems of the oceans, including marine communities of the intertidal zone, estuaries, coral reefs, the continental shelves, open water, and ocean depths, and human impact on the oceans. It includes laboratories to practice the scientific method, accuracy in measurement, collecting data, graphing and reporting. Marine Biology will provide opportunities to develop interest in careers (service) in Marine Biology and will provide the basic knowledge to help us demonstrate good stewardship of our planet's resources in its oceans.

301 Earth Science (Freshmen not enrolled in Biology, must take Earth Science)

Earth Science is designed as a one-semester science elective. It will teach our students the Earth's position in our solar system and investigate why it supports life. God's handiwork is displayed in the Earth's organization. We will focus on the rocks and minerals that make up the crust of the earth, then the atmosphere that surrounds the Earth and the water that covers so much of it. We will study the mighty power that lies

within the Earth that is displayed as volcanoes and earthquakes. We will learn that what we view as catastrophic is really a natural recycling of our earth. Our students will seek to discover man's place in God's creation of this planet.

302 Biology

Biology is designed as an introductory biology course for sophomores. Biology emphasizes that God is the creator and sustainer of the universe and provides a unique opportunity to study His created order and appreciate the awe of His wonders. Biology will provide a basic knowledge to help us demonstrate good stewardship of planet Earth. First semester will include an introduction to biology, ecology, chemistry of life, the cell, genetics, and a Christian critique of evolution. Second semester will emphasize a summary of the six kingdoms and an introduction to human anatomy and physiology. Both semesters will include laboratories to practice the scientific method, accuracy in measurement, collecting data, graphing and reporting.

303 Chemistry

This is a two-semester course. A pre-requisite is enrollment in Algebra II and enrollment in or completion of biology. This is a pre-college class. This is also a lab course with an emphasis on hands-on, activity-based learning. Topics covered include: scientific measurement, structure of matter, chemical formulas, the mole, chemical reactions, balancing equations, stoichiometry, atomic structure, the periodic table and its properties, bonding, states of matter and the gas laws, and acids and bases.

304 Physics

This is a two-semester course for seniors. A prerequisite for this class is Advanced Algebra and it is a college prep class. This is also a lab course with a high emphasis on problem solving using derived equations. The topics covered are: Motion in a straight line, graphing motion, force, vectors, two-dimensional motion, gravitation, momentum, work, power, energy, waves, sound, light, mirrors, lenses, electricity, circuits, and the magnetic fields.

305 AP Chemistry (AP)

AP Chemistry is designed to be the equivalent of a college introductory Chemistry course. This course is an in-depth continuation of Chemistry. Prerequisites include successful completion of a year of biology and a year of chemistry. Topics covered include: structure of matter, properties of matter, chemical reactions, reaction rates, thermodynamics, and equilibrium. This class prepares students for the AP Chemistry exam given in May.

306 Environmental Science *

Environmental Science is designed as a one-semester science elective. Throughout this course students will explore Christian stewardship, as they extend their knowledge of creation and their relationship with creation. Topics of study will include an introduction to the environment, environmental decision-making, ecosystem dynamics and a study of biomes. Laboratories and work in the greenhouse will be used for students to integrate what was learned in the classroom into concrete examples of stewardship.

307 Plant Science*

Plant Science is designed as a one-semester science elective. The goals for this course are for students to develop an appreciation for plants and for students to discover how to become caretakers of creation with their work with plants. Students will investigate the plant cell, formulate knowledge of the structure and function of plant organs and systems and survey plant diversity. These tasks will be accomplished while students apply and practice their knowledge in the care and maintenance of plants in the greenhouse

308 Physical Science

The physical science course is intended to be a laboratory course. Laboratory courses are designed to include laboratory experiences as an integral component. This means experiences where students ask questions, make observations, and collect, record and analyze data as a regular part of the course. Students in physical science should have ample opportunities to use basic laboratory equipment such as balances, meter sticks, stopwatches, graduated cylinders, thermometers, and probe-ware.

316 AP Biology (AP)

The primary goal of AP Biology is to become motivated to a greater understanding of the created world to enable us to respond to God by giving Him honor, glory and praise for all we will observe and study. AP Biology will provide opportunities to develop interest in careers (Christian service) in health sciences and biotechnology. It is designed to be the equivalent of a college introductory biology course. Students may take AP Biology after the successful completion of sophomore biology and high school chemistry. First semester will emphasize chemistry of life, cells and cellular energetics, heredity and molecular genetics, and a Christian critique of evolution. Second semester will emphasize the diversity of organisms, structure and function of plants and animals, and ecology.

322 Anatomy & Physiology

Human Anatomy and Physiology will examine the human body in terms of structure and function as well as systemic relationships. Utilizing labs, discussions, lectures, current articles and other activities, students will gain a solid foundation of the function and relatedness of the human body. This year long course is designed for those students interested in learning about the human body as well as those considering biological studies or health related careers after high school.

*Not offered at this time.

H Social Studies Department

151 World History

World History is a year-long course designed to help students learn more about the world that God created, and to learn about the patterns of interaction in human history. We will study how world civilizations began, how they have changed throughout history, and how ancient civilizations continually influence today's world. We are members of God's world, and thus we need to understand how the Lord has worked in History. This freshman level course traces the development of Western Civilization from the Early River Valley Civilizations to the present day. The course concentrates on the early River Valley Civilizations, Ancient Greece, Ancient Rome, the Middle Ages, the Renaissance and Reformation, early North American and Mesoamerican people, the early people of South America, the East Asian World, the Age of Exploration, the French Revolution, and the World Wars of the twentieth century.

153 United States History

United States History is a required two-semester course for eleventh grade students. The course begins with a short review of Antebellum America followed by an in-depth study on the political, social, economic, cultural, and religious growth, change, and development of the United States in the Post-Civil War era. The course also explores the ever-changing role of the United States in world events and foreign affairs while also making connections to the modern day. A general goal of this course is for students to critically examine the claims, assumptions, and research related to United States history and historical topics. Students will learn to develop perspectives and perceptions about historical events and the dynamic men and women who played a role in shaping the past. Furthermore, students will learn to understand that history is interpretive and polarizing while learning arguments to support a point of view.

154 Government

Government is a required one-semester course for seniors. The course begins with an in-depth analysis of the origins of government and specifically the fundamentals of American government, including such basic topics as liberty, democracy, freedom, and the fundamental worth of the individual, as well as the Constitution and Federalism. Students then study the three branches of government - executive, legislative, and judicial branches, and its system of checks and balances. Our nation's political parties and the election process are covered in detail, as well as the bureaucracy, the Bill of Rights, local government and international politics. Students participate in a number of topical debates, as well as discussions and assignments on current events, major political news, and finally, development and participation in a mock Congressional simulation.

157 AP American Government and Politics (AP)

AP Government is a one semester course, offered in the spring that can replace the survey course as a requirement. AP Government is a rigorous and in-depth study of the American political system, its Constitutional Underpinnings, three branches and checks and balances, political participation and voting, the election process, system of civil liberties and rights, and policy formulation. Students engage in a college level course that includes weekly readings and tests, supplemented by Free Response Essay questions. This course is designed to help students take and pass the American Government and Politics Advanced Placement test in order to gain college credit. Students will also participate in semester long current events assignments, and participate in after AP exam academic debates and development and participation in a mock Congress. Students also enjoy a field trip to the Ronald Reagan Presidential Library after the AP test.

155 Economics

Economics is a required one semester course for seniors that compliments a semester of American Government. The course covers a wide range of topics including both Micro and Macro Economics, as well as comparative economics and current events. A vastly important aspect to this course includes a Christian perspective on stewardship principles, poverty, and how to live lives of service in our depraved world. Other topics included in this course include globalization, scarcity, supply and demand, business practices and decisions, and even practical investing.

160 Honors Economics

Economics is a required one semester course for seniors that compliments a semester of American Government. The course covers a wide range of topics including both Micro and Macro Economics, as well as comparative economics and current events. A vastly important aspect to this course includes a Christian perspective on stewardship principles, poverty, and how to live lives of service in our depraved world. Other topics included in this course include globalization, scarcity, supply and demand, business practices and decisions, and even practical investing. The Honors Economics course presents a class that is more rigorous in its scope and workload in order to prepare a student for a college classroom as well as AP Government in the spring. Many elements of AP American Government will be sprinkled into this semester course, and the Honors Economics class is a prerequisite to getting into AP American Government in the spring. If Honors Economics is taken by the student in the fall semester, that student must also take AP Government in the spring semester.

156 Psychology

Psychology is designed to offer an opportunity for senior students to learn more about themselves through the investigation and evaluation of various theories of behavior, developmental stages, personality types, and influences upon personality. Psychologists' theories of behavior are examined from a biblical base. The developmental stages and personality types are examined with an appreciation for the uniqueness God has given to each person. Furthermore, the class examines psychological principles and perspectives with an emphasis on adolescence..

158 California History

This course is an elective that will cover the history of the state of California, through its many time periods. Native Americans, mission period, Mexican era, the railroad, gold and mining, agriculture, urban population

boom, and the need for water and irrigation are all topics covered. These topics will be explored through film, research and writing, and various assessments.

159 **Geography**

The students are introduced to the world of maps, learning how to read all types and discovering how to find their location at any point in the world. Emphasis is placed on geographic features of the earth and the cultural diversity that prevails therein. Students will be able to find their way around the globe and know something about life in those various locations. Some emphasis is given to climatic conditions and the effects on geography. We will study the Pacific Rim countries of the Pacific World, Southeast Asia and East Asia as well as the continent of Africa. This is a one semester course.

171 **History Through Film**

History Through Film is a one-semester elective course that combines viewing films, documentaries, and the study of history. What is history? History is the selection, arrangement, and interpretation of facts for the purpose of telling what happened in the past. This course is designed to expose students to an in-depth look at major historical events, the history and development of the film industry, and how film reveals a lot about the historic time period it was created in, as well as how the history is told. Students will view films covering a wide range of topics and eras, including the forming of the Constitution, slavery and the Civil War, the 1920s and 1930s, World War I and II, the Cold War, and even modern historic events like our involvement in Afghanistan and Iraq. Class work includes readings, small presentations, and written papers dealing with each topic. Critical to each quarter as well is an in-depth film critique of one of America's Top 100 Films.

183 **AP U.S History (AP)**

AP United States History is a two-semester course for eleventh grade students fulfilling their U.S. History requirement. AP U.S. History is designed to be a college level course with a rigorous workload based on readings and lecture, and using the AP assessments of multiple choice tests and essay writing. The course work is based on nine historic time periods stretching from pre-contact native civilizations to the civil war and reconstruction during the first semester, to the 1870s to current times in the second semester. All students are expected to take the AP test in May, and will be prepared to do so. Post AP testing including class projects, historic film, and a field trip to the Museum of Tolerance in Los Angeles.

707 **Christian Leadership**

Christian Leadership is a required course usually taken during sophomore year. Coursework focuses on the themes of identity, purpose, servanthood, and leadership as modeled by Jesus and taught throughout scripture. Students will examine these concepts through scripture study, book study, discussion, and through reflective, narrative, and expository writing. At the culmination of the course, students create a digital portfolio that illustrates his/her learning, growth, and faith journey.

I Vocational Arts Department

501 **Woods 1**

Woods I is designed as an introductory course in woodworking. Students will gain knowledge and experience with different types of joinery and the power tools to create them. Creativity is encouraged within the guidelines set for the project. Various types of wood are used in the project required during the semester.

502 **Woods 2**

Woods II is a one-semester course that builds on the skills learned in Woods I. Students have the opportunity to use additional power tools in the creation of a required project. Choices and creative thinking are encouraged, as students are required to choose their own project. The prerequisite for this class is Woods I.

505 **Construction/Home Improvement**

Basic construction techniques are covered and students will get a working knowledge of general building skills. Students must complete Woods 1 as a prerequisite to enrolling in the course.

505 Robotics

This course is currently being developed. The course description will be added at a later time.

561 Culinary Arts

Culinary Arts is designed to introduce the basic concepts associated with food preparation and nutrition. This class will provide opportunities for students to learn about whole fresh food and the benefits nutrition has on a healthy lifestyle. Students will gain knowledge in basic nutrition and how to create a healthy meal plan, along with learning how to read a recipe to cook and bake.

563 Sewing*

Sewing teaches the basic sewing skills and knowledge needed to sew a variety of projects and crafts. Included, is instruction on pattern selection, sewing a zipper, hand stitching a button, and hemming a pair of pants.

562 Child Development

Students will study the development of children from birth through adolescence. This is a semester course.

566 Interior Design*

Interior Design teaches design techniques and the knowledge needed to successfully decorate any space. Included is rhythm in design, styles of design, color analysis, furniture arrangement, and accessorizing a home.

*Not offered at this time.

J World Language Department

401 Spanish 1

Spanish 1 is a course designed to get students to use the language in a communicative way. Although no textbook is used, the students compile notes and handouts through the course of the year and ultimately create their own textbook. In class students are expected to speak daily, completing certain communicative-based tasks. Their assignments are based on the material learned in class. Students learn how to read, write, speak and listen in the Spanish language. Vocabulary quizzes and comprehension tests are administered regularly. Students will end the year reading a short novel in Spanish which increases their vocabulary, comprehension of the language and cultural understanding. Students are introduced to Hispanic culture through discussions on cultural differences and through the teacher's experiences. Students are also asked to examine their own bias against people of other cultures through a weeklong unit on diversity and cultural awareness as studied in light of biblical principles.

402 Spanish 2

In Spanish 2, students will add to the language learned in level 1. They will learn new vocabulary, verb tenses, and parts of speech. Students investigate the geography and culture of Spanish-speaking countries and are introduced to famous literary and artistic figures of the Spanish-speaking world. They will be able to discuss daily events, their opinions, and thoughts in both present and past tense. They will be able to understand and follow basic instructions. Students will advance their practice of speaking, listening, reading and writing skills to an intermediate level of comprehension and production.

403 Spanish 3

In Spanish 3 students have the opportunity to take their Spanish communication skills to a more advanced level by looking more deeply at the grammar driving the language while continuing to engage in reading,

writing, speaking, and listening activities. In addition, students are exposed to a broader scope of linguistic contexts and cultural situations. A significant portion of this class involves using an online component of the text to enhance and enrich learning. Most Fridays are devoted to watching a video drama series called *Destinos* in which students hone their listening skills by hearing accents of native speakers, and are exposed to the culture, history, architecture and art of Spanish-speaking countries around the world

404 AP Spanish 4 (AP)

The AP Spanish Language and Culture Course, conducted almost exclusively in Spanish, taught according to the College Board guidelines, is designed to support students in the process of becoming proficient in the Spanish language, and to also successfully complete the AP Spanish Language and Culture Exam. At the end of the course, students will be able to demonstrate their proficiency in the modes of communication from the Intermediate to the Pre-Advanced range, as defined in the learning objectives in the Curriculum Framework. This course will provide students with opportunities and tools to develop a strong command of the Spanish language by integrating the three modes of communication: Interpretive, Interpersonal and Presentational. You will expand your knowledge of culture by being exposed to products, practices, and perspectives of the different cultures of the Spanish speaking countries. The AP Spanish Language and Culture course will also immerse students in the appreciation of culture. At the end of this year, students will demonstrate understanding of diverse cultures, incorporate interdisciplinary topics (Connections), make comparisons between the native language and their own and between cultures (Comparisons), and use Spanish in real-life environment, (Communities).

405 Honors Spanish 3 *

Honors Spanish 3 is a course designed for students with a passion for continuing to learn Spanish at advanced levels. While this class follows the same curriculum as Spanish 3, students are given the opportunity to both move at a more advanced pace and explore deeper into each aspect of the language studied. Learning activities will help students continue developing their conversation skills as well as exploring aspects of proper Spanish. For this reason, a term paper (written in Spanish) is required second semester. As with Spanish 3, a significant portion of this class involves using an online component of the text to enhance and enrich learning. Most Fridays are devoted to watching a video drama series called *Destinos* in which students hone their listening skills by hearing accents of native speakers, and are exposed to the culture, history, architecture and art of Spanish-speaking countries around the world.

410 KOINE GREEK 1

Greek 1 is a course designed to get students to primarily read the Greek New Testament. Beginning with the alphabet, students will learn to read, write and pronounce Greek. Vocabulary quizzes and comprehension tests are administered regularly. Students are introduced to ancient Greco-Roman culture through readings and activities focused on 1 Corinthians. Cases and present tense verb system will be the primary focus in the first year, with readings in the Johannine corpus.