



COLE VALLEY HIGH SCHOOL COURSE DESCRIPTIONS

BIBLE DEPARTMENT

Church History – 9th Grade, fall semester The purpose of this class is for students to understand that they are part of something much bigger than right here and now. Students will understand the major people and ideas that have shaped the direction and development of the church. Students will recognize that in every era there have been unique challenges and questions. Dealing with questions in today's society can be grasped more fully if we understand how these questions have developed and how previous generations of believers have turned to God's word for direction and discernment.

Fundamentals of Faith – 9th Grade, spring semester This course is intended to help the student grow closer to God by learning more about Him. We will learn more about God as we study through the first 100-200 years of church history while learning the different doctrines of the church. We will primarily stay in the book of Acts but will also study parts of the epistles that Paul wrote. As we read and study you will see the unique ways God was involved in the development of the church and the individual men and women whom He used. We will learn more about Him and how He is involved in our own personal lives. I pray that, as a result of taking this class, you will grow spiritually in your love of our Heavenly Father and that your faith will grow deeper as you learn more about Him.

Comparative Religions – 10th Grade, fall semester This course surveys the themes of religious practice in Hinduism, Buddhism, Islam and Mormonism. This course studies and compares the history, doctrine and practices of said religions to the Christian Worldview. Students will better understand the doctrines of Christianity, learn critical thinking skills regarding religious evidence, and see missional opportunities throughout their life.

Life of Christ — 10th grade, spring semester. This class provides a summary exploration into most things Jesus. We will look at what the four Gospels are and how to interact with them. From there we will spend much of the semester touching on aspects the life of Christ and his teachings in a generally chronological order considering the what, where, and why of his activity. There will be a strong emphasis on the historical and cultural backgrounds and how this helps us apply the biblical truths to our contemporary contexts in order to grow in Christlikeness.

Apologetics – 11th Grade, fall semester This course covers the basics of defending Christianity in a way that is humble, relational, and truthful. Students will be taught basic tactics in logic and argumentation in a way that is loving towards the person but also compelling and thought provoking. Being able to think about why you believe what you believe and then having the confidence to defend it to those who disagree is something many of us lack. This course will help students to be able to respond to many of the common objections unbelievers have in a way that relies upon the authority of Scripture.

Ethics – 11th Grade, spring semester This course examines what it means to live out the Christian life in a meaningful way. This class considers various questions as they pertain to motives and the Christian life. An analysis of ethical issues of discipleship, justice, beauty, sexuality, work, and technology. Students will be challenged to think through these issues while understanding other viewpoints and the logic behind what humans believe and why it matters that Jesus is King over every aspect of our lives.

Biblical Interpretation — 12th grade, fall semester. This class provides an exploration into the discipline of hermeneutics, the interpretation and application of the Bible. We will look at the development of the biblical canon and the philosophies of Bible translations, learn what it means to be an interpreter of Scripture and understand important considerations for approaching various types of biblical literature. This class is predominantly made up of discussions, readings, and hands-on activity. The summative project for this class will entail each student interpreting and discerning the application of an assigned section of biblical text and communicating the storyline of the Bible.

Worldviews – 12th grade, spring semester The Worldviews course is designed to be a preparatory course before taking philosophy courses at the collegiate level. Students will consider four primary questions: 1) Where did we come from? 2) Is there meaning to life? 3) Is there a moral law for me to abide by? 4) Where are we going? The following worldviews will be compared to the Christian claims when answering these fundamental questions about life: A) Naturalism B) Secular Humanism C) Pantheism/Polytheism D) Monotheism E) Trinitarianism. Along the way students will be introduced to historical philosophical thinkers such as Plato, Nietzsche, Kierkegaard, Freud, Sartre, Dostoevsky, Bertrand Russell, and others.

ENGLISH DEPARTMENT

Fundamentals of English 9 – full year - This course is designed as a survey of introduction to literature in which students will analyze various genres of literature from classical to contemporary literature. Emphasis is placed on developing critical thinking skills and close reading strategies as students analyze literature from multiple genres, periods, and cultures. Students will write various essays to enhance and explain their understanding as well as strengthen their writing skills. Research, grammar, and syntax will be taught to enrich writing. Students will participate in class discussions to develop speaking and listening skills. This course will build on individual student strengths and scaffold for areas of challenge. Prerequisite: teacher recommendation

English 9 – full year - This course is designed as a survey of introduction to literature in which students will analyze various genres of literature from classical to contemporary literature. Students will analyze various genres of literature relevant to adolescents. Emphasis is placed on developing critical thinking skills and close reading strategies as students analyze literature from multiple genres, periods, and cultures. Students will write various essays to enhance and explain their understanding as well as strengthen their writing skills. Research, grammar, and syntax will be taught to enrich writing. Students will participate in class discussions in order to develop speaking and listening skills.

Honors English 9 – full year - This course is designed to follow the English 9 curriculum with additional texts and accelerated writing. Honors English 9 will require more extensive reading outside of class. Students will analyze various genres of literature from classical literature to contemporary literature relevant to adolescents. Emphasis is placed on developing critical thinking skills and close reading strategies as students analyze literature from multiple genres, periods, and cultures. Students will write various essays to enhance and explain their understanding as well as strengthen their writing skills. Research, grammar, and syntax will be taught to enrich writing. Students will participate in class discussions in order to develop speaking and listening skills. Graded on a 5-point honors scale. Prerequisite: teacher recommendation

Fundamentals of English 10 – full year - In this course, students will analyze the impact of the written word upon our nation's culture and history. They will evaluate the power of language as an instrument to be used for God's glory and purposes. Through the study of novels, historical documents, short stories, poetry, essays, nonfiction articles, etc., students will learn to comprehend with wise judgment, and respond with thoughtful analysis. Students will be challenged to develop their spoken and written voice through engaging interaction and frequent writing. This course will build on individual student strengths and scaffold for areas of challenge. Prerequisite: teacher recommendation

English 10 – full year - Students will analyze various works from American literature in order to critique how literature reflects historical events and the spiritual state of our nation. In addition, students will study various periods in American literature to identify significant changes in writing styles and thought. Students will write various essays to enhance and explain their understanding of our changing nation, and how literature influenced those changes. Research, grammar, and syntax will be taught to enrich writing.

AP Seminar – full year – an Honors English 10 course that serves as foundational course to engage students in cross-curricular conversations that explore the complexities of academic and real-world topics and issues by analyzing divergent perspectives. Using an inquiry framework, students practice reading and analyzing articles, research studies, and foundational, literary, and philosophical texts; listening to and viewing speeches, broadcasts, and personal accounts; and experiencing artistic works and performances. Students learn to synthesize information from multiple sources, develop their own perspectives in written essays, and design and deliver oral and visual presentations, both individually and as part of a team. Ultimately, the course aims to equip students with the power to analyze and evaluate information with accuracy and precision in order to craft and communicate evidence-based arguments. Graded on a 5-point honors scale. Prerequisite: Honors English 9 AND teacher recommendation.

Fundamentals of English 11 – full year - Fundamentals of English 11 emphasizes the process and strategies of writing with critical attention to purpose, audience, and style composition as well as a survey in World Literature. Students write analytical, creative, and research essays. Students will engage in college-level writing through the fundamentals of rhetorical theory. Students will read seminal literary texts to understand changes in style and period. This course will build on individual student strengths and scaffold for areas of challenge. Prerequisite: teacher recommendation

English 11 – full year - English 11 emphasizes the process and strategies of writing with critical attention to purpose, audience, and style composition as well as a survey in World Literature. Students write analytical, creative, and research essays. Students

will engage in college-level writing through the fundamentals of rhetorical theory. Students will read seminal literary texts to understand changes in style and period. Offers CWI concurrent credit in English 101: Writing and Rhetoric I, CWI registration required.

AP English Language and Composition – full year - Advanced Placement English Language and Composition focuses on the rhetoric of non-fiction. The class trains students to study and explain the writing, rhetorical strategies, and techniques used in some of the world's most famous non-fiction. The writing in the class is extensive, with assignments of various kinds each week, all centered around the kind of essay questions asked on this AP test. Readings in the class range from 5 to 30 pages in length and often involve very sophisticated, complex language and argumentation. This course may also be taken for concurrent credit in English 101 through CWI. Prerequisite: Honors English 10 or AP Seminar AND teacher recommendation

Fundamentals of English 12 – full year - a survey of literature focusing on current issues. Students will write analytical, creative, research, and a college admissions essay. This course will build on individual student strengths and scaffold for areas of challenge. Prerequisite: teacher recommendation

English 12 – full year - studies the literature most colleges expect students to be proficient in prior to beginning higher education and focuses on British Literature the first semester. Students write a variety of essays: analytical, research, and college admissions. Concurrent credit course ENGL 1094: Literature, Short Fiction is offered through NNU the second semester. This course introduces students to the study of literature at the university level through the medium of the short story, covering stories drawn primarily from the United States and Europe, from 1800 to the present. Graded on a 4-point scale, dual credit available through NNU available (Intro to Literature), NNU registration required.

AP English Literature and Composition – full year - an introductory college-level literary analysis course. Students cultivate their understanding of literature through reading and analyzing texts as they explore concepts like character, setting, structure, perspective, figurative language, and literary analysis in the context of literary works. Graded on a 5-point honors scale. Prerequisite: Honors English pathway, including AP Language and Composition, AND teacher recommendation.

MATH DEPARTMENT

Algebra 1 (Prerequisite: Prealgebra completed at 70% or higher) Students will explore Expressions and Functions, master Real Number Operations, solve Linear Equations, graph Linear Functions, write Linear Equations, and solve and graph Linear Inequalities. In semester two Algebra I students will solve Systems of Equations, use Exponents and solve Exponential Functions, understand Polynomials and practice many types of Factoring, analyze Quadratic Equation Methods, wield Radicals and Geometry Theorems, and solve Rational Equations. Algebra 1 is graded on a 4-point scale.

Geometry (Prerequisite: Algebra 1) This course is designed to teach students reasoning and logic through the use of formal proofs. Geometric concepts are developed and analyzed through a study of triangles, quadrilaterals, polygons, and circles. Three-dimensional shapes are analyzed and surface area and volume are studied. Right triangle trigonometry is introduced, as well as shape transformations. Honors Geometry Prerequisite: 85% or higher in Accelerated Algebra 1 This course is designed to teach students reasoning and logic through the use of formal proofs. Geometric concepts are developed and analyzed through a study of triangles, quadrilaterals, polygons, and circles. Three-dimensional shapes are analyzed and surface area and volume are studied. Right triangle trigonometry is introduced, as well as shape transformations. In addition, students will complete an introduction course of trigonometry including the unit circle, graphing functions, and identity equations.

Honors Geometry (Prerequisite: 85% or higher in Accelerated Algebra 1 AND teacher recommendation) This course is designed to teach students reasoning and logic through the use of formal proofs. Geometric concepts are developed and analyzed through a study of triangles, quadrilaterals, polygons, and circles. Three-dimensional shapes are analyzed and surface area and volume are studied. Right triangle trigonometry is introduced, as well as shape transformations. In addition, students will complete an introduction course of trigonometry including the unit circle, graphing functions, and identity equations. Graded on a 5-point honors scale.

Algebra 2 (Prerequisite: Algebra 1 and Geometry) – this course builds upon the foundational concepts of Algebra 1 and prepares students for advanced mathematical studies. This course deepens students' understanding of functions, polynomials, rational expressions, radicals, exponential and logarithmic functions, exponential and logarithmic functions, conic sections, probability, statistics, and trigonometry. Students will develop problem-solving skills, mathematical reasoning, and the ability

to apply algebraic concepts to real-world situations. Throughout the course, students will engage in analytical thinking, explore complex equations, and work with various representations of functions.

Honors Algebra 2 (Prerequisite: 85% or higher in Accelerated Algebra 1 and Honors Geometry) – this is an accelerated, college-level mathematics course that extends the concepts of Algebra 1 while incorporating more rigorous problem-solving and critical-thinking skills. This course is designed for students seeking both high school and potential college credit through a dual enrollment program. Students will explore advanced algebraic concepts, including polynomial, rational, exponential, logarithmic, and trigonometric functions. Additional topics include complex numbers, sequences and series, probability and statistics, and an introduction to matrices and conic sections. Emphasis is placed on real-world applications and preparation for higher-level math courses such as Pre-Calculus and Calculus. This honors-level course moves at an accelerated pace and students will be expected to demonstrate a strong work ethic, independent learning skills, and mastery of mathematical reasoning. Dual credit is available through CWI, CWI registration required.

Advanced Math Analysis (Prerequisite Algebra 2 and teacher recommendation) - a reasonably-paced precalculus course with challenge and depth. Students will explore linear functions, systems of equations, polynomials, and conic sections. In semester two we will analyze trigonometric equations, graphs, and identities, also exploring sequences and series, vectors, and/or polar coordinates. Depending on level of understanding, mastery, and level of success, undergraduates in AMA, by determination of teachers and administrators, may advance into Statistics and/or Precalculus (NNU MA1400), as is deemed appropriate, the following year. Advanced Math Analysis is graded on a 4-point scale.

Precalculus (Prerequisite: Algebra II completed at 70% or higher) Students will investigate linear functions, polynomials, exponential and logarithmic functions, and systems of equations and inequalities during first semester. Second semester students will dive fully into trigonometric graphs and identities and equations, followed by a briefer time in sequences and series, probability, and conic sections. The current class incorporates note sheets corresponding to each section of the Larson Precalculus-with-Limits textbook. These note sheets should help students be more prepared to complete assignments. The current class also has timed tests (and corresponding retests) which are designed to be reasonably challenging, requiring thoughtful preparation while also being appropriate in length and required skills. Graded on a 4-point scale, dual credit is offered through NNU (MA1400 College Trigonometry).

Honors Precalculus (Prerequisite: Honors Geometry and Honors Algebra 2 both completed at 85% or higher) Students will investigate linear functions, polynomials, exponential and logarithmic functions, systems of equations and inequalities, conic sections, matrices, trigonometric graphs and identities and equations, probability and sequences and series, parametric and polar equations, and limits and the definition of the derivative. The current class incorporates note sheets corresponding to sections from the Precalculus-with-Limits Larson textbook that should help students be more prepared to complete assignments. The current class also has timed tests (and corresponding retests) which are designed to be challenging while also being appropriate in length and required skills. This class is graded on a 5-point scale, dual credit is offered through NNU (MA1400 College Trigonometry).

Calculus (Prerequisite: Honors Precalculus with an 70% or higher; Precalculus with an 85% or higher) There will be a brief review of key precalculus concepts. Students will study limits (and how they change precalculus concepts into calculus concepts), graphing theory, differentiation with applications, integration with applications, and transcendental functions. Students will also investigate rates of change, numerous derivative and integration formulas and concepts, finding the area under curves, advanced problem-solving skills using derivation and integration techniques, among other thinking skills. The concepts in this class will include the same instruction as Honors Calculus, if offered during the same class period as Honors Calculus, but the assignments, review, and tests will be more mainstream, shorter, somewhat less intense, and noticeably less time-consuming. Calculus is graded on a 5-point scale, dual credit is offered through NNU (MA 2510 College Calculus)

Honors Calculus (Prerequisite: Honors Precalculus with an 85% or higher with Teacher Recommendation; Precalculus with a 95% or higher with Teacher Recommendation). The course begins with a brief review of key precalculus concepts. Students will study limits (and how they change precalculus concepts into calculus concepts), graphing theory, differentiation with applications, integration with applications, and transcendental functions. Students will also learn rates of change, numerous derivative and integration formulas and concepts, about finding the area under curves, advanced problem-solving skills using derivation and integration techniques, among other thinking skills. The concepts in this class will include more intense

computations, applications, assignments, and tests. Honors Calculus is graded as an honors class on the five-point scale, dual credit offered through NNU (MA2510 College Calculus).

Statistics (Prerequisite: Algebra 2 or higher) This course provides a comprehensive introduction to the fundamental concepts of statistics and probability. This course emphasizes practical applications and real-world data analysis. Students will explore key topics including descriptive statistics, probability theory, sampling distributions, confidence intervals, hypothesis testing, and regression analysis. Through hands-on projects and collaborative learning, participants will develop critical thinking skills and learn to interpret statistical results in various contexts. By the end of the course, students will be equipped to make informed decisions based on data, communicate findings effectively, and apply statistical methods to solve real-life problems. This course is ideal for anyone looking to enhance their quantitative skills and understanding of data-driven decision-making. Statistics is graded on a 4-point scale.

AP and Dual Credit Statistics (Prerequisite: Algebra 2 or higher, Teacher Recommendation) AP Statistics is an advanced placement course designed for high school students who wish to gain a thorough understanding of statistical concepts and techniques. This course aligns with the College Board AP curriculum and prepares students for the AP Statistics exam. Students will also have the option to take the class for dual credit. Students will engage with topics including data exploration, sampling and experimentation, probability, statistical inference, and regression analysis. Through hands-on activities, real-world data projects, and collaborative learning, students will develop critical analytical skills and the ability to interpret and communicate statistical information effectively. Emphasis will be placed on the application of statistical reasoning to solve problems, make informed decisions, and understand the role of statistics in various fields. By the end of the course, students will be well-prepared for the AP exam and equipped with the foundational knowledge needed for further studies in statistics and related disciplines. DC Statistics and AP Statistics are graded on a 5-point scale.

Integrated Math 1 (Prerequisite: Pre-Algebra and teacher recommendation) - This course provides students an in-depth study of the real number system by means of cooperative investigations into the fundamental concepts of Algebra. Emphasis is placed on the development of multiple techniques of problem solving along with increased literacy in the structure and application of Algebraic principles. Topics of study include variables, expressions, polynomials, writing and solving linear equations and inequalities, functions and their graphs, absolute value equations and inequalities, and systems of equations.

Integrated Math 2 (Prerequisite: Integrated Math 1) - With their Integrated Math 1 experience and with a few weeks of review of algebra 1, students will continue to develop geometric skills. Students will explore factoring, probability, substitution, elimination, advanced word problems and graphing. Students will also encounter stem-and-leaf plots, domain and range, and box-and whisker plots.

Integrated Math 3 (Prerequisite: Integrated Math 1, 2) - This course provides students with a comprehensive investigation into geometric concepts. Topics covered will include the following: points, lines, planes, angles, parallel lines and planes, congruent triangles, quadrilaterals, similar polygons, right triangles, circles, areas of polygons and solids, coordinate geometry, and basic constructions.

Integrated 4 (Prerequisite: Integrated 1, 2, and 3) - This course is a supportive, step-by-step course designed to reinforce and build upon the foundational algebraic skills developed in the previous levels of the Integrated track. This course focuses on essential algebraic concepts at a manageable pace, providing additional support and practice to ensure student success. Students will explore key topics such as linear equations and inequalities, quadratic functions, polynomials, rational expressions, radicals, and basic exponential functions. Emphasis is placed on problem-solving strategies, real-world applications, and strengthening mathematical reasoning skills.

SCIENCE DEPARTMENT

Biology – full year - This course is designed to teach students the details behind the processes that control all organisms on earth. By learning how organisms function, students will appreciate the value of living things and the care that God put into designing our world. The course will cover these topics: macromolecules, cell structure and function, mitosis, DNA structure and function, protein synthesis, genetics and heredity, evolution, ecosystems, photosynthesis, cellular respiration, and comparative dissection. Students will gain skills in critical thinking, observation, interpretation, and analysis.

Honors Biology – full year This course is designed to teach students the details behind the processes that control all organisms on earth. By learning how organisms function, students will appreciate the value of living things and the care that God put into designing our world. The course will cover these topics: macromolecules, cell structure and function, mitosis, DNA structure and function, protein synthesis, genetics and heredity, evolution, ecosystems, photosynthesis, cellular respiration, and comparative dissection. Students will gain skills in critical thinking, observation, interpretation, and analysis. The honors version of this course moves through material more rapidly to allow time for greater emphasis on data analysis and scientific literacy. Honors assessments require a greater depth of understanding.

AP Biology – full year - AP Biology is a class designed to replace a college science major's first year biology course. The ultimate goal is to prepare students to take and pass the national AP Biology test in May. With a passing score, students can receive up to 8 college credits. This course is an in-depth view of many of the topics taught in the introductory biology class. The focus is on the amazing cellular processes that God made to run our cells. This class will utilize the laboratory exercises included in the AP Biology curriculum as well as inquiry-based research into topics. This challenging course will prepare any student for a career in the biological or medical sciences. Prerequisite: Honors Biology

Earth and Space Science – full year - This course covers four central topics. Beginning with geology, we study the components of the Earth, its structure, and the processes that shape and form it. We will also spend some time studying and interpreting data related to Earth's history and human activity on the Earth. Second, we will look at meteorology, the study of the atmosphere and weather. Next, we will look at hydrology, the study of water, as the lifeblood of the Earth and the life on top of it. Finally, we will spend some time looking out towards the rest of the universe, studying astronomy (stars, planets, galaxies, etc.).

Chemistry – full year - This introductory course covers the basics of chemistry starting with the makeup of matter, the design of atoms, the periodic table, bonding, formulas, reactions, solutions, acids, bases, and several specialized branches. The class is designed to prepare students to succeed in a college-level chemistry class. The class utilizes many labs and activities that allow students to be challenged. Prerequisite: Algebra 1

Honors Chemistry – full year - This advanced introductory course covers the basics of chemistry starting with the makeup of matter, the design of atoms, the periodic table, bonding, formulas, reactions, solutions, acids and bases. This class requires more higher-level thinking and problem-solving abilities. The class is designed to prepare the future engineers, doctors, and scientists for a challenging college experience. Prerequisite: Algebra 1

AP Chemistry – full year - AP chemistry is designed to replace a science major's first year of college chemistry. It is a challenging course that takes many of the topics learned in honors chemistry and digs deeper into the subject. The lab activities are far more inquiry based, allowing students to design and complete their own labs. The logic and problem-solving skills taught in honors chemistry are reinforced and expanded as students tackle questions that require a high level of specificity and planning. Students are expected to take the national AP Chemistry Exam in the spring. A passing grade on this exam generally equates to 8 semester credits (6 lectures and 2 labs) at many universities. Taking an AP class is considered a huge benefit to getting into many of the top universities. Prerequisite: Honors Chemistry

Physics – full year - Conceptual level physics (minimal math): Dive into the fascinating realm where the mysteries of the God's universe unfold before your eyes. In this class, we explore the fundamental principles that govern everything from the tiniest particles to the vast expanses of space. Discover how physics principles apply to everyday phenomena, from the mechanics of a mousetrap car, forces in a rocket, to the technology behind your smartphone. Collaborate on innovative projects that allow you to explore physics in creative and meaningful ways. Explore motion, forces, energy, work, waves, sound, light, optics, electricity, and magnetism. Projects include: rocketry, mousetrap cars, circuit greeting cards, motors, and solar ovens. This class is designed for sophomores or juniors.

Dual Credit Physics – full year - Embark on an exhilarating journey through the world of physics, where high school meets early college-level rigor. This dual credit course offers you the unique opportunity to earn both high school and college credits while diving deep into the fascinating principles that govern our universe. Tackle college-level physics concepts with the support of high school resources and guidance. Explore motion, forces, energy, work, momentum, sound, waves, and thermodynamics. Projects include: rocketry, heat engines, paper rollercoasters, bungee jumper, miniature potato guns, and

CO² cars. Corequisite: Algebra 2. This class is designed for juniors or seniors, with some exceptions made for sophomores who are advanced in math and science skills.

AP Physics C: Mechanics – full year - Step into the world of advanced physics with AP Physics C: Mechanics, where we unravel the intricate laws that govern motion and force. This course is designed for students who are ready to challenge themselves with college-level material and gain a deeper understanding of the physical universe. From launching projectiles to unraveling the mysteries of angular momentum, you'll explore the fundamental principles that govern everything from falling apples to orbiting planets. Be prepared to think critically, solve complex problems, and embrace the thrill of hands-on experiments and challenging derivations. If you love math, crave a deeper understanding of physics, and aren't afraid of a few tricky integrals, this class will push your limits and expand your mind. Projects include paper rollercoasters, ballistics analysis & protection, flying pigs, and 3D spinning tops. Prerequisite/corequisite: Precalculus, 11th or 12th grade

Anatomy and Physiology – full year - This course reviews biological concepts related to cells and genetics, along with new material on the anatomy and physiology of the eleven major human body systems. Practical applications, such as diseases and development disorders, will be introduced where appropriate. This course requires significant amounts of memorization, analysis and breaking down complex concepts into manageable parts. Prerequisite: Biology. This course offers dual credit through CWI, CWI registration required.

Natural Resources – one semester - This class takes a deep dive into what it means to steward God's creation. Students will learn about the environment and our role in it, with topics including nutrient cycling, ecosystems, biodiversity, species management, and resource management. Expect a combination of projects and normal tests for assessment. Expect 6-8 off-campus field trips, with 1-2 requiring your lunch time as well as class time. Prerequisite: Biology, course designed for 11th and 12th grades.

SOCIAL STUDIES

Early American History – 9th grade, full year This course is a survey of United States history, from exploration through the Civil War and Reconstruction. The class is intended to impart a solid foundation of knowledge both with the heart and the mind about the heritage of the United States of America and the sovereign hand of the Lord at the inception of our great country, as well as His continued hand of blessing today. Most importantly, the course is designed to aid students in comprehending that the United States is truly a memorial of the mercies of God, so that we may know them, remember them, and sing His praises. CWI dual credit available for this course, CWI registration required

Modern American History – 10th grade, one semester This class begins with America's expanding world influence at the start of the 20th century, following an historical path through the Progressive Era, World War I, the Twenties, the Great Depression, World War II, and entering into the Cold War years. It concludes by bringing the student into the beginnings of the 21st century, where current events provide our history on a day-by-day basis.

World History – 11th grade, full year This course is an overview of the history of humankind with an emphasis on people, events, and issues from Creation to modern day Israel. Students will analyze important events and issues in many civilizations throughout the world. Students will examine the historic origins of contemporary economic systems and their effect on world events. Students will analyze the process by which democraticrepublican governments evolved as well as the ideas from historic documents that influenced the process. Students will examine the history and impact of major religious and philosophic traditions always keeping in mind that history is truly the record of the past from creation to the present, revealing the actions of both God and man. CWI dual credit available for this course, CWI registration required

American Government – 12th grade, full year This class addresses America's political development and its resulting institutions from a Christian worldview. It starts with America's historical foundations and follows a path through the United States Constitution and party politics, and concludes with the powers of government.

AP American Government – 12th grade, full year Prerequisite: Recommendation from History and English teachers This course is an introduction to American politics from the 18th century to the present. Major themes and events include the writing of the U.S. Constitution, the development of American political principles and institutions, and contemporary political practices in the U.S. As students study the fundamental principles and processes which underlie the American political system, they will better comprehend our national political system as a product of ideas, interaction and compromise

ELECTIVES

Charger Grounds – one semester - operates as a fully functioning coffee shop, providing students with comprehensive barista training. Participants will develop essential skills such as pulling espresso shots and steaming milk to craft a variety of espresso-based beverages. They will also learn the procedures and recipes for creating a wide range of coffee shop drinks. Working collaboratively in a team environment, students will gain practical experience in all aspects of coffee shop operations, including preparing drinks, managing daily tasks, taking inventory, processing deliveries, cleaning, and restocking. Furthermore, the program will feature guest speakers who will share their expertise on topics ranging from health code requirements and entrepreneurship to coffee roasting. Ultimately, each student will leave with the skills and knowledge necessary to confidently pursue employment in a coffee shop.

College & Career Prep – fall semester, satisfies Personal Finance requirement for graduation, ideal for 11th grade, 12th graders can also benefit from this course. This course will help students identify future career paths based on strengths and interests. Students will complete aptitude tests and combine those results with several strength and value assessments to determine best fit for careers and college majors. Students will learn more about the college search process, including 4-year colleges, 2-year colleges, and trade school. This is a hands-on course where class participation and cooperation are essential. Students will learn to navigate college websites to find information needed to begin a list of best fit colleges. This class hosts admission office presentations from colleges across the country. Students will look at salaries of different careers, the cost of post-high school education, and learn savings, investing and budgeting strategies throughout the semester. Guest speakers will help students explore careers of interest including possible visits from financial advisors, nurses, home builders, real estate brokers, interior designers, lawyers, physical/occupational/rehab therapists, and full time missionaries. Students will create a personal and professional resume, and they will leave this class with interview skills to help navigate the job market, as well as any college or scholarship interviews.

Creative Writing – one or two semesters - This course is designed for students who wish to concentrate on fiction writing, but we can also explore the finer points of creative non-fiction. The course will include some lecture, discussion, assigned reading, and many writing exercises in order to develop new skills to critically examine the elements of literary creation. Creative writing is open to all high school students.

Economics - 1 semester – This one semester course introduces the student to the basic theories of modern economics and economic systems. It also provides the students with a practical application of consumer economics, budgeting, and finance. Throughout the course, the students develop and articulate a Biblical worldview of economics. Economics is limited to 11th or 12th grade students, required for graduation.

Health – 1 semester – Students will learn about the different facets of health including mental, emotional, social, environmental, and physical health. Making healthy life choices will help students learn skills to protect, enhance, and maintain a quality lifestyle, giving them the freedom to serve God and to love people. Health is limited to 11th or 12th grade students, required for graduation.

Personal Finance – 1 semester – This class addresses individual, everyday financial decisions, focusing on a Biblical worldview. Students are guided toward developing responsible spending habits and practical life skills. Simulations provide students with practice completing routine personal financial records, including budgeting, saving and investing strategies, income tax e-filing, credit and consumer rights, credit scores, and banking services. *dual credit course with NNU, NNU registration required

Psychology – 1 semester – Psychology is an elective course designed to give students an understanding of human behavior. We will cover important aspects of psychology such as history, research methods, classification and treatment of disorders, foundational ideas and theories that analyze human growth and development, as well as the various aspects of learning, intelligence, personality, and behavior. Psychology is limited to 11th or 12th grade students.

Spanish 1 – full year - This introductory Spanish course is designed for students with little to no prior experience in the language. Instead of memorizing grammar rules, students will learn Spanish naturally through engaging stories, real-life conversations, and Biblical themes. The focus is on understanding and communication rather than rote memorization. Additionally, students will explore the rich cultures of Spanish-speaking countries, learning about traditions, music, food, and the role of faith in Hispanic communities.

Spanish 2 – full year - builds on the foundation from Spanish 1, focusing on expanding vocabulary, improving fluency, and deepening cultural understanding. Using story-based learning and Blaine Ray's TPRS (Teaching Proficiency through Reading and Storytelling) method, students will engage with interactive narratives, real-life conversations, and culturally rich content to enhance their Spanish skills. Prerequisite: Spanish 1

Spanish 3 – full year - designed for students who have completed Spanish 2 and are ready to deepen their fluency, cultural understanding, and storytelling skills. Using the CI (Comprehensible Input) and TPRS (Teaching Proficiency through Reading and Storytelling) methods, this course will focus on advanced storytelling, meaningful discussions, and real-world application of Spanish. Students will engage with the captivating stories of Adriana Ramírez, along with rich cultural studies that explore the depth of Hispanic traditions, history, and faith. Prerequisite: Spanish 2

Speech – 1 semester - Recommended for 9th graders, required for graduation. This course is designed to introduce students to the basics of communication with an emphasis on public speaking. Students prepare and deliver informative, persuasive, extemporaneous and impromptu speeches. Students will also learn listening skills that will help them develop healthy communication in their intrapersonal, interpersonal, and small group relationships. Dual credit through CWI is offered for this class.

PE Strength & Conditioning – 1 semester – students work on building strength and improving their cardiovascular training through work in the weight room and gym. Students are taught technique and supervised by our strength coach as they follow a workout plan to achieve significant increase in strength, agility, and overall fitness. This course satisfies the one semester high school PE credit required for graduation. If you plan to play a sport, it is recommended that you take this class.

PE Games & Sports – 1 semester - For students who love playing games and a variety of sports, and for students who want to fulfill their PE requirement for graduation without being in the weight room or an organized high school team sport.

FINE ARTS

Acting 1 – 1 semester - Step into the spotlight and discover the art of acting! In this introductory course, students will build confidence in their voice, movement, and public speaking while exploring the fundamentals of performance. Through engaging exercises, improvisation, and scripted scenes, you'll develop essential acting skills, including vocal techniques, character development, physical storytelling, and text analysis. By studying and applying some of the common acting methods such as Classical, Stanislavski, and Chekhov as tools for crafting authentic performances, students will learn to bring characters to life with truth and believability. Whether you're preparing for the stage or simply looking to improve your communication and creativity, this course will provide a fun, collaborative environment to express yourself and grow as a performer. No prior experience is required—just a willingness to explore, experiment, and perform! This course will satisfy the speech credit requirement, but will not be listed as a speech course on your transcript.

Art 1 – 1 semester – Intro to art class. Students will dive into the elements and principles of design, as they are the foundation of all art. During the semester students will be creating drawing practices, creating and experimenting in their sketchbooks, and creating projects using different mediums. This will include graphite, pen, charcoal, colored pencil, and marker. Each of these projects will involve a focus on different elements and principles as well as different art movements. We will also be asking questions that connect art with the Bible and our relationship with God. Students will leave this semester connecting creating with our creator, with experience in different mediums and styles of art and leave this class with a better knowledge and experience of art as a whole.

Art 2 – 1 semester - This class will be all about painting. We will also continue using the elements and principles of design as they are the foundation of all art. During the semester students will be creating painting practices, creating and experimenting in their sketchbooks, and creating projects using different painting styles and paint mediums. This will include acrylic paint, watercolor, and oils. Each of these projects will involve a focus on different elements and principles as well as different art movements, for impressionism. We will also be asking questions that connect art with the Bible and our relationship with God. Students will leave this semester connecting creating with our creator, with experience in different mediums and styles of art and leave this class with a better knowledge and experience of art as a whole. Prerequisite: Art 1

Ceramics 1 – 1 semester – intro to ceramics. Students will learn about the different stages of clay and how to create and maintain slip. Students will learn each of the hand building techniques of ceramics. I will give demos on these techniques

(pinch, coil, and slab) and students will then create these three techniques. The rest of the semester will be different creative projects using the pinch, coil, or slab technique. Students will learn about glazes, proper glazing and the firing process of our kiln. Students will purposefully apply the elements of visual art and principles of design to their work. Other areas of emphasis will be warm-ups/journaling, and studio habits. We will also be asking questions that connect art with the Bible and our relationship with God. Students will leave this semester connecting creating with our creator, with experience in different mediums and styles of art and leave this class with a better knowledge and experience of art as a whole. Prerequisite: 10th-12th grade, or by teacher recommendation

Ceramics 2 – 1 semester - students will learn to use the wheel and take their hand building skills to the next level. Each project for the semester will use more advanced techniques. Students will learn advanced vocabulary and implement these terms into their projects. Students will learn to create a bowl or mug on the wheel, detail and texture on tiles, relief sculptures, a large slab vase/pitcher, an animal sculpture, and their final will be a face vessel. Students will continue to maintain a well-kept studio and will be graded on this matter. We will also be asking questions that connect art with the Bible and our relationship with God. Students will leave this semester connecting creating with our creator, with experience in different mediums and styles of art and leave this class with a better knowledge and experience of art as a whole. Prerequisite: Ceramics 1

HS Choir - Full year (encouraged) or 1 semester - In High School Choir students will have the opportunity to experience the joy and excitement of making music together as part of a dynamic and engaging musical ensemble. In this course, students will develop their vocal skills, ear training, musicianship, and performance abilities through a wide range of repertoire that includes classical choral works, sacred songs, Broadway show tunes, or even contemporary pop songs. Throughout the year, students will perform in a variety of settings, including concerts, competitions, and community events. They will also learn about music theory, sight-reading, and vocal technique, as well as the history and cultural significance of choral music. Whether you are an experienced singer or just starting out, High School Choir is the perfect place to explore your passion for music, develop your vocal abilities, and make new friendships and memories.

High School Drama – Fall semester only - In this performance-oriented drama class, students will develop their acting skills, auditioning techniques, and confidence on stage. As the semester progresses, students will work collaboratively to create and rehearse a full-length theater performance. Everyone in the class will have a role to play as an actor, giving them the chance to showcase their talents and contribute to a truly memorable production. By the end of the course, students will have gained valuable experience in all aspects of theater performance and production, as well as a deeper understanding of the power of storytelling and the art of acting. This class is perfect for students who are passionate about performing and are ready to take their skills to the next level.

Concert Band – full year - This class is the core high school band ensemble at CVCS. The concert band is also the athletic pep band playing at home football games and many home basketball games. At least two formal seasonal performances are planned along with performances as deemed appropriate as per the Director and/or Cole Valley Christian School. Instruction will be available to students on all band instruments (flute, clarinet, saxophone, trumpet, trombone, etc.) regardless of experience. It's never too late to join the band! Students will be required to obtain their own instrument, supplies, and performance attire; white, long-sleeved, button-down collared shirt, black dress pants (males) or floor length skirt (females), black socks, and black dress shoes (males) or closed toe formal shoes (female). Students who play the piano, bass guitar or guitar may be considered, as needed, by audition/interview only.

Jazz Band – full year - This ensemble provides an opportunity for students to explore big band jazz in its various forms. Unless otherwise approved, members of the Jazz Band must also be enrolled in either the MS Band or HS Concert Band, as they are the foundational bands where overall playing techniques are taught and reinforced. The Jazz Band will perform in the same seasonal performances as the Concert Band, as well as various jazz festivals in the area. While saxophone, trumpet, trombone, piano, drums, rhythm guitar and bass guitar are the core instruments of a jazz band, other instruments may be included.

Ministry/Worship Fundamentals – 1 semester - This class is for those who are interested in worship and all things ministry related. In this class we will walk through biblical principles and expectations for what it means to serve in the church and to be a leader of any kind. If you feel called to ministry, want to be serving more in your school or church, or just want to learn about what this means, this class is for you. If you are interested in being on the student worship team, interested in speaking during chapel, interested in running sound and tech, this class is for you. This class will connect with chapel on Thursday mornings. On

Thursdays, this class will be learning and participating in all things chapel related. We will have a welcome/host team, set up and tear down, a teach team, a worship team, and more.

Theatre Stagecraft – Spring semester only - Students will learn the behind-the-scenes elements that bring a production to life. Through hands-on projects and practical application, students will explore the technical aspects of theater production. Students will have the opportunity to work collaboratively with their peers to design and build sets, create and operate lighting and sound cues, and prepare props and costumes for the Spring Musical performance. They will also learn about the various tools and materials used in theater production and gain valuable skills in problem-solving, organization, and time management. Throughout the course, students will be exposed to the many roles and responsibilities of a stagecraft crew and have the opportunity to apply their learning in real-world theater productions. By the end of the semester, students will have a strong foundation in the technical aspects of theater production and be prepared to contribute to future productions on stage or behind the scenes.

Yearbook – fall semester or full year - This hands-on course provides students with the opportunity to collaboratively create and build the school yearbook for publication. Through this process, students will develop skills in theme identification, photography, production planning, page layout, writing, and project coordination. Additionally, the course introduces the fundamentals of photography, encompassing composition and editing techniques.

TECHNOLOGY COURSES

Computer Applications – one semester – open to all grade levels. This course teaches the students the basic computer skills and knowledge necessary to succeed in their academic and future careers. Topics include the Microsoft Suite (Word, PowerPoint, Excel, Teams, OneNote, OneDrive), typing skills, file and document management, and others. This course satisfies the Technology credit required for graduation.

Creative Technology – one semester - This course introduces students to a wide variety of technologies utilized in creative fields. This includes 3D modeling and printing, laser cutting and laser etching, the Adobe Suite (Photoshop, video and sound editing, graphic design), podcasting, web design, app creation, programming basics, and others. Students will have the opportunity to work with the technologies that interest them the most, worshipping God through designing and creating. Ethics and current events (such as cyberbullying, generative AI, privacy, etc.) will also be discussed. This course satisfies the Technology credit required for graduation. 11th and 12th grade course, with some 10th graders approved upon request.

Engineering Technology – full year - Join the thrilling NASA HUNCH (High School Students United with NASA to Create Hardware) Teams, where CVCS has led winning teams to Space Center Houston for over 5 years. This Engineering Technology course provides students with a strong foundation in engineering principles, problem-solving, and hands-on technical skills. Through a combination of classroom instruction, design challenges, and lab-based projects, students will explore core engineering fields such as mechanical, electrical, civil, and manufacturing engineering. Students will develop proficiency in computer-aided design (CAD), 3D printing, robotics, circuitry, and prototyping while applying math and science concepts to real-world engineering problems. Emphasis is placed on teamwork, innovation, and critical thinking as students work through the engineering design process to develop creative solutions. All students will be certified in AutoCAD Design Software, the industry standard for science, engineering, and drafting careers. Prerequisite: 11th or 12th grade

Introduction to Robotics – spring semester course - students will learn the skills necessary to join the Advanced Robotics team. Students will work through curriculum teaching them the basics of engineering mechanisms and coding, practicing these skills with engineering challenges. They will then work together with the current Advanced Robotics team to develop those skills to be productive members of the competition team next year. This course satisfies the Technology credit required for graduation.

Advanced Robotics – full year – competitive robotics course where students will design and build a robot that will compete in the FIRST Tech Challenge. FTC is a national program that issues a challenge/game in the fall. During the fall and winter, the teams build a robot which will complete the challenge. During the spring, the teams gather to compete at a local, regional, national and international level. This class will be part of a larger team and will have mentors from outside STEM careers interacting and working with the team members. As this is also an extracurricular team, meeting outside of class multiple times per week with the rest of the team, and monthly or bi-monthly weekend events is also required. **Prerequisites:** Fill out application with Instructor AND any of the following courses: Computer Applications, Introduction to Robotics, Engineering

Technology, Creative Technology, AP Computer Science. Exceptions may be made for other prior robotics or technology experience. This course satisfies the Technology credit required for graduation. AP Computer Science A: Junior, Senior

AP Computer Science A – full year – AP Computer Science A is a rigorous, college-level course that introduces students to the fundamental principles of computer science, with a strong emphasis on object-oriented programming and problem-solving using Java. Students will develop their ability to design, implement, and analyze algorithms while learning core programming concepts such as variables, data structures, loops, conditionals, and recursion. By the end of the course, students will be prepared to take the AP Computer Science A exam, which assesses their understanding of Java programming and their ability to apply computational thinking to real-world problems. This course is ideal for students interested in computer science, engineering, mathematics, or related fields. This course satisfies the Technology credit required for graduation. No programming experience needed but be ready to analyze complex algorithms. Prerequisite: Algebra 2, 11th or 12th