



COURSE OFFERINGS -- 2019-2020 SCHOOL YEAR

Senior High Course Offerings

9th Grade

Bible 9: Foundations of Faith

English: HS Foundations of Writing, English 9, *or* Honors English 9

Math: Algebra 1, Geometry, Honors Geometry, Algebra 2, Honors Algebra 2, Pre-Calculus, Honors Pre-Calculus, Calculus 1, Calculus 2, Integrated HS Math 1-2, Integrated HS Math 3-4

Science: Physical Science, Biology *or* Honors Biology

Social Studies: Early American History (available for concurrent credit)

Other Required Classes:

PE – 1 semester required in high school

Speech – 1 semester required

Electives: Offerings vary:

Spanish I, II, III

French I, II, III

Art I & II

Ceramics (Art I pre-req)

Band/String Ensemble

Drama/Theater Production

Yearbook

SolidWorks 3-D Rendering

PE/Strength and Conditioning

Business Marketing

Help Desk

Creative Writing

Choir

Writing Lab

Math Lab

Study Hall

Speech

10th Grade

Bible: Bible Elective – 1 per semester

Biblical Leadership; Biblical Relationships; Biblical View of Law; Church History; Comparative Religions; Ethics; Fundamentals of Faith; Global Outreach; Life of Christ; Ministry Development; Missions; various books of the Bible

English: Foundations, English 10 *or* Honors English 10

Math: Algebra 1, Geometry, Honors Geometry, Algebra 2, Honors Algebra 2, Pre-Calculus, Honors Pre-Calculus, Calculus 1, Calculus 2, Integrated HS Math 1-2, Integrated HS Math 3-4

Science: Biology, Honors Biology, Chemistry, Honors Chemistry, Anatomy & Physiology or Physics recommended

Social Studies: Modern American History (1 semester) and Personal Finance (1 semester)

Electives: 2 per semester

Spanish I, II, III

French I, II, III

Art I & II

Ceramics (Art I pre-req)

Band/String Ensemble

Drama/Theater Production

Yearbook

SolidWorks 3-D Rendering

PE/Strength and Conditioning

Business Marketing

Help Desk

Creative Writing

Choir

Writing Lab

Math Lab

Study Hall

Speech

Nutrition

Medical Terminology

AP Computer Science Foundations

11th Grade

Bible: Bible Electives – 1 per semester

Same offerings as Sophomore year

English: Foundations of Writing 11/12, English 11 or AP Language & Composition

Math: Algebra 2, Honors Algebra 2, Pre-Calculus, Honors Pre-Calculus, Calculus 1, Calculus 2, Integrated HS Math 1-2, Integrated HS Math 3-4

Science: 1 year elective course offerings

Anatomy & Physiology; AP Biology; AP Chemistry; AP Physics; Applied Science;

Honors Intro to Environmental Engineering; Introduction to Robotics; Advanced Robotics; HS STEM

Social Studies: World History (may be taken for concurrent credit)

Other Required Classes: Economics and Health (1 semester each)

Electives: 2 per semester

Spanish I, II, III

French I, II, III

Art I & II

Ceramics (Art I pre-req)
Band/String Ensemble
Drama/Theater Production
Yearbook
SolidWorks 3-D Rendering
PE/Strength and Conditioning
Business Marketing
Help Desk
Creative Writing
Choir
Writing Lab
Math Lab
Study Hall
Speech
Nutrition
Medical Terminology
AP Computer Science Foundations
College & Career Prep

12th Grade

Bible: Bible Elective (1st semester); Worldviews (2nd semester)

English: Foundations of Writing 11/12, English 12 or AP Literature

Math: Algebra 2, Honors Algebra 2, Pre-Calculus, Honors Pre-Calculus, Calculus 1, Calculus 2, Integrated HS Math 1-2, Integrated HS Math 3-4

Science: Science Electives – 1-year classes
Same course offerings as listed for 11th grade

Social Studies: American Government *or* Honors American Government

Other Required Classes: Economics and Health (if not taken in 11th grade)

Electives: Spanish I, II, III
French I, II, III
Art I & II
Ceramics (Art I pre-req)
Band/String Ensemble
Drama/Theater Production
Yearbook
SolidWorks 3-D Rendering
PE/Strength and Conditioning
Business Marketing
Help Desk
Creative Writing
Choir
Writing Lab
Math Lab
Study Hall
Speech
Nutrition
Medical Terminology
AP Computer Science Foundations

Concurrent Credit Offerings

Concurrent Credit from Northwest Nazarene University

Calculus
Calculus II
Honors Algebra 2
AP Government
Pre-Calculus

Concurrent Credit from the College of Western Idaho

AP Language & Composition (11th grade)
AP Literature (12th grade)
Early American History
English 11 and 12
Speech
World History
Business Marketing
Creative Writing
Technical Writing

Concurrent Credit from Boise State University

Psychology

Bible Department Course Offerings 2019-2020

Community Service Requirement: 10 hours per every semester of high school

Advisory – 9, 10, 11 and 12

The purpose of the Advisory period is to intentionally provide every student on the secondary campus with at least 1 mentoring relationship with a member of the Cole Valley Christian staff, along with a smaller community of students of the same gender and grade level. No specific curriculum exists and individual groups are given flexibility to focus on issues particular to their group. Examples might include a Bible study, Chapel discussions, Christian author book studies, etc. Advisory Periods are gender and grade specific and meet every Thursday following Chapel.

Foundations of Faith- 9

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.

Bible 10 and 11 – Electives

The following are Bible electives that are offered during various semesters. Sophomore and Juniors select one class each semester to fulfill their Bible requirement.

Apologetics & Ministry

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. Students will also be helping with chapel planning and set-up each week as part of ministering to their fellow students.

Biblical Leadership

The purpose of this course is to equip leaders of the next generation to lead as God has demonstrated in the Bible, applying the principles learned in the Bible to our daily lives today. Students will discover the amazing lessons we can learn from Biblical giants like Joseph, Moses, David, and Nehemiah and how to apply those lessons in their lives. At the same time we study these characters, we will apply New Testament passages regarding grace, unity, servant-hood, love, perseverance through adversity, respect for authority, and using our God given gifts to further His Kingdom, not our own. We will also use current applications of sports, movies, drama productions, school, Church and business to bring these leadership lessons to life. We will emphasize God's Truth (2 Tim. 16-17), the Good News of the Gospel, and how He has uniquely equipped some people to be leaders (Romans 12:8) in order that His Body will grow, persevere, and share Him with the world. This class will be primarily discussion format, so participation will be critical. Students will be asked to keep a journal of what they learn from their reading, and all assignments will be either essays or presentations. Class time will be given for all assignments, with the expectation that wise use of time will lead to no homework.

Skills: Leadership skills, critical thinking skills, writing and presentation skills (as these are critical for leaders to be effective), discussion, Bible study and life applications.

Church History

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.

Comparative Religions 1 & 2

This course surveys the themes of religious practice in Hinduism, Buddhism, Islam and Mormonism. The Fall course surveys Hinduism and Buddhism while the Spring course surveys Islam and Mormonism. This course studies and compares the history, doctrine and ethics of said religions to the Christian Worldview. The goal is that students will better understand the doctrines of Christianity and see missional opportunities throughout their life.

Corinthians

Students will engage in a study of what the local church and universal Church should look like and the value and importance of it. This will be done through the study of the first letter of Paul to the Corinthian church. There are many challenging and engaging topics that come up through this that will help students consider what we believe about important topics such as spiritual gifts (tongues, prophecy, etc.), sexuality, pride, idolatry, and more. Students will engage in understanding what fellowship truly is in a way that is meaningful and vital to our lives as Christians.

Ethics

One of the many goals of this class is to equip students with the tools to recognize what is moral and what is immoral. Arguing with others about what is right and wrong in certain situations will not necessarily lead someone to Christ. However, entering into discussions about these controversial topics will hopefully provide opportunities to share truth. As students set out to find answers to their questions and the inquiries of others, may they search God's Word so they will be prepared to give an answer to everyone who asks them to give the reason for the hope that they have (1 Peter 3:15). At the same time, students want to see to it that no one takes them captive through hollow and deceptive philosophy, which depends on human tradition and the basic principles of this world rather than on Christ (Colossians 2:8).

Fundamentals of Faith

The purpose of this class is for students to grasp what orthodox Christianity believes and why it is reasonable to believe these things. Students will discover that faith and reason are on friendly terms and that there is good evidence for the claims of Christianity and the reliability of Scripture. Students will study such questions as what is truth and how is it known, what are the supporting evidence for the trustworthiness of Scripture, what evidence is there for God's existence, and what support is there for the life, death and resurrection of Jesus Christ. Emphasis will be placed on a personal response to Jesus in light of the support of His claim of being THE WAY, TRUTH and LIFE.

Genesis

This course seeks to help students understand the narrative of Genesis in a way that challenges our perspectives in order to see all that is written for us. Genesis can often become familiar and this course will help students to see and consider things that can often be missed or ignored. All of God's word is important and useful and this class takes this seriously so that we can truly appreciate and learn from all of it. The book of Genesis is extremely important to understand as it reveals to us who God is, who we are, and why the world is the way it is. We will also spend time exploring what it means to be created in God's image in a way that is practical in all circumstances.

Global Outreach

"This course is designed for those that love to serve and want a more hands on experience. Global Outreach students must consider how to preach the Gospel well in word and deed, how to disciple others, how to teach others the Bible and cultural considerations when reaching the nations with the Good News. Students will be asked to engage in hands on service for the surrounding community."

Hebrews

This course challenges students to explore the beauty of the person and work of Jesus as our prophet, priest, and king. The book of Hebrews calls followers of Jesus to consider many of the implications of our theology in a way that is lived rather than just read about. This class will help you to know and love Jesus better than you did before in order to worship more fully and to consider your level of devotion to him.

Life of Christ

Students will learn about 1.) The life of Christ and 2.) The life of Christ. The first of these explores the person of Jesus Christ -- his identity, his birth, his teaching, his work, his death, and his resurrection. These are the things we normally think about when we speak of the "life of Christ." But it is because of that last element, the resurrection, that there is a second and richer meaning to "the life of Christ." Anyone who has truly accepted Jesus Christ as his lord and savior has now been placed "into Christ," and Christ has come to live "inside" that person. In other words, the life of Christ has no end. Christ continues his life and work in us and through us — that is the second meaning of "the life of Christ." So as we study the first "life of Christ," the life of Christ that is in us is nourished, taught, drawn into greater and greater likeness with that first life of Christ.

Biblical Interpretation-

"This course is designed to be a challenge to students to become great readers of the Bible through tools the church has utilized for centuries. The heart is to understand what the author intended us to read. Looking through the textbook "Grasping God's Word" we look at the following topics: a) How did we get the Bible as we know it today and why so many translations b) reading words, sentences, paragraphs and discourses c) reading aloud d) historical-cultural context e) understanding genre f) considering tough passages etc. The class also takes a trip to Portland to visit "The Bible Project" studio and considers the ways in which the Bible is being read in our American context."

OT History and Theology-

"This course is designed to 1) look at the history of Israel and the uniform pointing to Jesus as Messiah and 2) consider several theological positions of the church seen through Old Testament scriptures. Some of these topics include: a) the depravity of man b) the Trinity in the Old Testament c) the feasts of Israel and their pointing to the Messiah d) what to make of violence in the Old Testament e) considering the civil, ceremonial and moral laws found within the Torah f) what Judaism looks like today g) and the compilation of the Old Testament Canon."

Missions

God invites us to participate in His purpose; He "blesses us so that we can bless others." As students accept God's invitation they will embark on a journey to explore the mission of God, understand what it means to be a blessing to others, and prepare themselves to be used by God. Through the study of different cultures, students will examine people groups through the eyes of God. Bringing to life the stories of missionaries who have gone before us, students will learn from history as they examine the future plans God has for them.

Worldviews (12)

"The Worldviews course is designed to be a preparatory course before taking philosophy courses at the collegiate level. Students will consider four primary questions:

- A) Where did we come from? Origins
- B) Is there meaning to life? Purpose
- C) Is there a moral law for me to abide by? Morality
- D) Where are we going? Destiny

The following worldviews will be compared and contrasted 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 major philosophical thinkers such as Nietzsche, Kierkegaard, Freud, Sartre, Dostoevsky, Bertrand Russell, and others.

English Department Course Offerings 2019-2020

High School Foundations of Writing Levels 1-4

This course is designed as an intervention class for students with learning difficulties or known disabilities in the Language Arts content areas. This is a combination class of high school grade level students. This class is smaller in size to meet individual student needs. Students enrolled this class are also participating in the Student Academic Support (SAS) Program in the daily tiered services. *An Educational Consult and a formal evaluation is required prior to enrollment in the Foundations of Writing class and the SAS Program.

English 9- Intro to Literature

Students will analyze various genres of literature relevant to adolescents. They will assess values found in literature in contrast with God's unchanging Word, and evaluate ramifications for character's actions. Students will write various essays to enhance and explain their understanding. Research, grammar, and syntax will be taught to enrich writing. This class corresponds with American History 1.

Honors English 9- Intro to Literature

Students will independently analyze various genres of literature relevant to adolescents. They will assess values found in literature in contrast with God's unchanging Word, and evaluate ramifications for character's actions. Students will write various essays to enhance and explain their understanding. Research, grammar, and syntax will be taught to enrich writing. This class corresponds with American History 1. Honors English students are expected to read 1-2 hours outside of class.

English 10- American Literature

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. Research, grammar, and syntax will be taught to enrich writing. This class corresponds with American History 2.

English 10- Honors American Literature

Students will independently 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 and justify significant changes in writing styles and thought. Students will write various essays to enhance and explain their understanding of our changing nation. Research, grammar, and syntax will be taught to enrich writing. Honors English students are expected to read 1-2 hours outside of class and should be confident in writing skills. This class corresponds with American History 2.

English 11- World Literature

Available for CWI concurrent credit 175 Intro to Literature

English 11 is a survey in World Literature. Students write analytical, creative, and research essays. This course may be taken for concurrent credit in literature.

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. They will determine author intent through elements of figurative language, syntax, and rhetorical skill.

AP Language and Composition

Advanced Placement 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.

English 12

English 12 is a survey of literature focusing on current issues. Students will write analytical, creative, and research essays, along with a thesis. This course may be taken for concurrent credit in composition.

English 12: College Prep

The college preparatory section of English 12 is a course that studies the literature most colleges expect students to be proficient in prior to beginning higher education. Students write analytical, creative, and research essays; students also write an extended thesis. This course may be taken for concurrent credit in composition.

AP English Language & Literature

Students will engage in college-level writing through the fundamentals of rhetorical theory. Students will read seminal rhetorical texts to understand changes in style and period. They will read nonfiction novels and articles to understand forms of argument and to determine the success and validity of those rhetorical forms. Essays for this course demand advanced analyses. This course is compliant with national AP standards and students are required to take the AP Language exam. This course takes an additional 2-3 hours per week.

Math Department Course Offerings 2019-2020

Algebra 1

Prerequisite: Pre-Algebra

This course is designed to teach students how to solve equations and how to use equations to solve problems, including motion and mixture applications. The study of functions, relations, polynomials and factoring prepare students for solving linear, rational, radical, quadratic, and systems of equations as well as inequalities.

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.

Algebra 2

Prerequisite: Algebra 1

The students will investigate problem-solving techniques and polynomial functions, solve systems of equations and inequalities, simplify radicals and complex numbers, graph conic sections, linear functions and special functions, factor polynomials and quadratic equations, simplify polynomial expressions and transcendental expressions, and explore many related sub-topics and applications.

Honors Algebra 2

Prerequisite: 85% or higher in Accelerated Algebra 1 and Honors Geometry

The students will investigate problem-solving techniques and polynomial functions, solve systems of equations and inequalities, simplify radicals and complex numbers, graph conic sections, linear functions and special functions, factor polynomials and quadratic equations, simplify polynomial expressions and transcendental expressions, and explore many related sub-topics and applications. Honors Algebra 2 adds permutation and combination applications, trigonometric laws, logarithmic expressions and equations, and challenging assignments in order to complement the Algebra 2 curriculum.

Integrated Math 1

Prerequisite: Pre-Algebra

Students will refine their algebraic skills through numerous processes. Students will investigate basic geometric concepts including angles, shapes, perimeter, surface area and volume. They will also investigate sets, exponents, coefficients, roots and word problems.

Integrated Math 2

Prerequisite: Integrated Math 1

With their Year 1 experience, students will continue to develop geometric skills. Students will explore factoring, probability, substitution, elimination, advanced word problems and graphing. Students will also encounter scientific notation, place, value, stem-and-leaf plots, domain and range, and box-and-whisker plots.

Integrated Math 3

Prerequisite: Integrated Math 2

The students will investigate problem-solving techniques and polynomial functions, solve systems of equations and inequalities, simplify radicals and complex numbers, graph conic sections, linear functions and special functions, factor polynomials and quadratic equations, simplify polynomial expressions and transcendental expressions, and explore many related sub-topics and applications.

Integrated Math 4

Prerequisite: Integrated Math 3

Continuation of previous course. By course sequence end, students will have completed all of Algebra 1, Algebra 2 and Geometry.

Pre-Calculus

Prerequisite: Geometry and Algebra 2

Students will extensively review algebra 2 and geometry topics as well as develop pre-calculus topics at a slower pace. Saxon Advanced Math textbook will be used with a method of daily review of topics previously studied. The first half of the text will be covered in Advanced Math 1 as a one-year course

Honors Pre-Calculus

Prerequisite: 85% or higher in Honors Geometry and Honors Algebra 2

This course contains intensive review of the topics from algebra, trigonometry, and analytic geometry that are necessary for success in calculus. Lessons also include calculus topics of limits, continuity, the derivative, differentiability, and integration. This course provides practice with the fundamental concepts and skills of a first semester calculus course.

Calculus

Prerequisite: Pre-Calculus with an 85% or higher

There will be a review of key pre-calculus concepts. Students will study limits (and how they change pre-calculus 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, the area under curves, advanced problem-solving skills using derivation and integration techniques convergence and divergence of sequences, among other skills. The additional topics of infinite sequences and series, polar equations, parametric equations, and the most difficult integration techniques will be investigated.

Calculus 2

Prerequisite: Calculus 1 with an 85% or higher

Calculus reveals aspects of the amazing design of the universe, causing us to marvel at the divine designer whose creation can be modeled so accurately by mathematics. Calculus 2 extends the concepts of Calculus, beginning with sophisticated integration techniques, followed by explorations of arc length, area of surface of revolution, sequences, series, differential equations, parametric equations and polar coordinates. Depending on available time, other topics may also be covered.

Statistics

Prerequisite: Algebra 2 or higher

This course is oriented towards students pursuing degrees in either business or science. Topics covered include probability, statistics and basics of conducting surveys.

AP Statistics

Prerequisite: Teacher Recommendation

This course is oriented towards students pursuing degrees in either business or science. Topics covered include probability, statistics and basics of conducting surveys. Students will be prepared to take the AP Exam in the Spring semester.

Science Department Course Offerings 2019-2020

Anatomy and Physiology

Prerequisite: Biology

Students will review concepts from biology concerning cells and genetics and will study the anatomy and physiology of the ten systems that comprise the human. Practical applications, such as diseases and development disorders, will be introduced where appropriate. This course requires large amounts of memorization, analysis and breaking down larger subjects into parts.

Applied Science

Applied Science is a STEM based pre-engineering class. Students will learn the basics of planning and designing a project. They will then build the project and test it against the set parameters. During this class students will also learn the basics of hand and power tool operation, how to do quality work and completely plan a project from start to finish. Students will design projects such as desk lamps, bridges, small scale sheds, rockets, water filters, solar powered devices and many other examples.

Biology

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 topics such as cell structure, cell transport, cell reproduction, photosynthesis, respiration, mitosis, meiosis, types of reproduction, DNA replication and structure, transcription, translation, genetics, bacteria, viruses, protists, fungi, animal kingdoms and groups, body systems, classification, and evolution. Students will gain skills in critical thinking, observation, interpretation, and analysis.

Honors Biology

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 topics such as cell structure, cell transport, cell reproduction, photosynthesis, respiration, mitosis, meiosis, types of reproduction, DNA replication and structure, transcription, translation, genetics, bacteria, viruses, protists, fungi, animal kingdoms and groups, body systems, classification, and evolution. Students will gain skills in critical thinking, observation, interpretation, and analysis. Honors biology focuses on allowing advanced students to correctly model and analyze laboratory results at high level. Analysis of topics and design of laboratory exercises are more intense and a higher degree of precision is required.

AP Biology

Prerequisite: Honors Biology

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.

Chemistry

Prerequisite: Algebra 1

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.

Honors Chemistry

Prerequisite: Algebra 1

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 includes higher level labs with reports.

AP Chemistry

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.

Honors Introduction to Environmental Engineering

Prerequisite: *Teacher Recommendation/Approval*

This is a yearlong class designed for creativity and competition. The environmental science class is organized to be an applied science. Students will work in groups to solve problems, offer alternatives, create new technology and learn how to communicate to communities. The goal is for students with biological and/or chemical backgrounds to be able to apply their knowledge to create real-world solutions. In the spring, all students will compete in the Imagine Tomorrow competition at Washington State University. This competition will match our students against teams from all over the Northwest in their ability to create and communicate novel solutions to modern ecological challenges. This class will require individual research and problem solving in a brand new academic area.

Physics

Prerequisite: Algebra 1 and Geometry

In Physics we will explore SI units, physics history, linear motion, fabulous forces, and vectors universal gravitation, conservation of energy, work, energy, power, thermodynamics, and gas laws— along with a theoretical basis for understanding sound, electricity, and magnetism— with equations, reading, laboratories, and discussion.

AP Physics

Prerequisite: Pre-Calculus (or concurrently)

AP Physics 1 is a full year class that is equivalent to a college level first semester introductory algebra-based physics course. The ultimate goal of the course is to prepare students to take and pass the national AP Physics 1 test in May. With a passing score, students can receive credit for one semester of college physics. The course covers forces, motion, momentum, and energy, with at least 25 percent of class time devoted to hands-on laboratory explorations. Students will develop a better understanding of the physical principles that God put into place in His amazing creation. This challenging course will prepare students for careers in the fields of engineering or the physical sciences.

AP Physics (calculus-based)

Prerequisite: Calculus (or concurrently)

AP Physics (calculus-based) is a full year class that is equivalent to a college level first semester introductory calculus-based physics course. The ultimate goal of the course is to prepare students to take and pass the national AP Physics (calculus-based) test in May. With a passing score, students can receive credit for one semester of college physics. The course covers forces, motion, momentum, and energy, with at least 25 percent of class time devoted to hands-on laboratory explorations. Students will develop a better understanding of the physical principles that God put into place in His amazing creation. This challenging course will prepare students for careers in the fields of engineering or the physical sciences.

Introduction to Robotics

Students will work with the Lego Mindstorms EV3 platform to complete a wide variety of challenges. Students will learn teamwork, programming, design and building skills, analysis and redesigning; all skills required to become an engineer. This class will include building robots which follow a line, find the competition and push their robot out of the circle, identify and pick up objects, driving with sonar, obstacle courses and many others. We will engage the student all year long and will prepare them for advanced robotics, the First Tech Challenge, a competitive robot league.

Advanced Robotics

Prerequisite: Introduction to Robotics

This class is a yearlong class of competitive robots. The class will design and build a robot that will compete in the First Tech Challenge. FTC is a national program that issues a challenge to groups 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 chartered group and will have mentors from outside STEM careers interacting and working with the team members.

HS STEM Skills

This class is a year-long, pre-engineering and problem solving class. It involves doing experiments to learn foundational skills and then completing larger projects that utilize those skills. The class will be largely hands-on and project based. It will require attention to detail, problem solving ability, and time management. The main focal areas will be in design, physics, and mechanics.

Medical Terminology

Medical Terminology course is designed to introduce students to a new, special language of medical terminology. In essence, it is a “foreign” language, however; easier as you are already familiar with many of the words. After introduction chapters, the different body systems will be the catalyst used to discover this wide world of Medical Terminology. Along the way, evidence of our God the Creator’s intricate, intentional, and beautiful design of the human body will become undeniable

Nutritional Science

This course will use basic science concepts to explain nutrient function, metabolism and interaction in humans. This course will cover the metabolic and physiological functions of nutrients at the molecular, cellular, tissue, organ and system level, integrating the effects of nutritional status in health and disease. Along the way, evidence of our God the Creator’s intricate, intentional, and beautiful design of the human body will become undeniable!

Social Studies Course Offerings 2019-2020

Early American History

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.

Modern American History

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.

Personal Finance

This class addresses individual, everyday financial decisions. Simulations provide students with practice completing routine personal financial records, including budgeting, saving and investing strategies, income tax e-filing, credit and consumer rights, and banking services.

World History

This course is an overview of the history of humankind with an emphasis on people, events, and issues from the earliest recorded time to the Industrial Revolution. Students will analyze important events and issues in many civilizations throughout the world. Students will examine the impact of geographic factors on major historic events and identify the historic origins of contemporary economic systems. Students will analyze the process by which democratic-republican 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.

American Government

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

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.

Other Required Courses for CVCS graduation

Economics – 1 semester – 11th or 12th grades

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.

Health – 1 semester – 11th or 12th grades

Students will learn about bodily processes that can be helped or hindered by our daily living. Health and wellness literacy will be promoted, as well as encouragement of positive behavior now to ensure a lifetime of health. The teaching of Life Skills will help students learn skills to protect, enhance, and maintain their health, with an emphasis on decision-making and refusal skills.

Physical Education – 1 semester class – Recommended for 9th and 10th grades

The primary objectives of the course are injury prevention and high-level physical conditioning. Students will follow the fitness plan tailored for their activity or sport.

PE - Strength and Conditioning – 1 semester

The primary objective in this course is to learn a variety of methods for improving and maintaining strength and conditioning through weight training and high-level cardiovascular training. Students will follow the fitness plan provided by the instructor to achieve significant increases in strength, agility, and overall fitness. PE Option; not second requirement

Physical Education – PE Sport

This Physical Education credit can be earned through participation in any sport at the junior varsity or varsity level at CVCS (1:1), or through two consecutive seasons of participation on the Ski Team. PE Option; not second requirement

Speech – 1 semester – Recommended for 9th grade

Speech is a one semester course designed to introduce students to the basics of communication with an emphasis on public speaking. Students prepare and deliver a variety of speeches including informative, persuasive, and specialty speeches such as introductions, presentations, and commencement addresses. In addition, students prepare resumes and cover letters and participate in job interviews.

Elective Course Offerings

The following are courses that have previously been offered at Cole Valley Christian Schools for high school students and are not necessarily offered every semester. The elective choices each year will be based on teacher availability and student interest. Fees apply to several of these courses, to cover supplies, field trips, curriculum, etc.

Art I – Mixed Media – 1 semester

This course is designed to enable students to recognize and successfully employ art vocabulary, the elements and principles of design, various art media, tools, techniques, and technology while expressing themselves visually; develop critical thinking and creative problem solving skills and be able to describe, analyze, interpret, and make judgments about works of art, including their own and encourage an appreciation of art through an overview of art history and the building of an aesthetic value system, allowing the students to reflect on the forms of beauty in art and the purpose and effects of the artistic experience.

Art 2 – Mixed Media – 1 semester

Prerequisite: Art 1 – Mixed Media

This course is designed for students who would like to continue, in more depth, the principles and techniques that were learned in Art 1. Students will choose projects of interest to meet course requirements and participate in a local art exhibition.

Ceramics – 1 semester

Prerequisite: Art 1

In this class, students will explore and create the history of ceramics/pottery as well as create original pieces. Students will choose projects of interest to meet course requirements.

Band – full year

This class will form the foundation for the new Cole Valley Christian School instrumental program, which will eventually include Concert, Marching, Pep/ Jazz Bands! Each student will participate in one full-band rehearsal. 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.

3D Design and Simulation using SOLIDWORKS:

Ready to build your resume with a certification and have fun learning 3D printing and computer aided drafting (CAD)? SOLIDWORKS is used all over the science, engineering, and vocational industries. Students will use SOLIDWORKS to make 3D objects, then simulate and build bridges, racecars, machinery, and electronics. We'll have access to a new 3D printer specifically designed for this course. All students will take the entry level SOLIDWORKS certification becoming a certified SOLIDWORKS Associate, giving them a cutting edge for college and career.

AP Computer Science A: Java

Introduction to Java based programming with a first-semester, college-level course. Java is the most popular programming language as it can be run securely on nearly any platform, regardless of the operating system. Students will be prepared to take the AP exam in the spring. Course will be taught in person with support from online Edhesive Curriculum.

College and Career Preparation – (11)

CCP is a course that guides students through the process of aptitude and strengths; college search; resume-building for academics and professional as well as interview and job skills. This is a hands-on course where class participation and cooperation are mandatory. The goal of this class to help students evaluate their abilities and match them to possible careers and colleges.

Concert Choir – 1 or 2 semester class

Prerequisite: Participation in junior high music preferred, voice check, Teacher Recommendation

This is a performance group that performs at concerts and chapel at Christmas and in the spring. They also participate in the ACSI Music Festival in the spring.

Skills: Be able to sing on tune, have basic understanding of music fundamentals, and work well with others.

Creative Writing

This course will be taught for concurrent credit through CWI. This is a creative writing course designed for students who wish to concentrate on fiction writing. ... Through lecture, discussion, assigned reading, writing exercises, poetry writing, and critiques of student writing in a workshop mode, the students will examine critically the elements of literary creation.

French 1 – full year

Students will learn basic vocabulary, pronunciation and common expressions as well as customs and culture of the French-speaking world. Listening and speaking will be stressed with easy reading and writing activity.

Skills: The students will gain basic vocabulary skills, as well as proper pronunciation, and learn common expressions.

French 2 – full year

Prerequisite: French 1

Students will develop language skills through readings that depict lifelike situations. Emphasis will be placed on reading and writing skills as the student continues to learn the culture and basic structure of the French language. Students will build on vocabulary and language skills learned in French 1.

French 3 – full year

Prerequisite – French 2

Students will further develop their oral language skills through deep immersion in both classroom and lifelike situations. Emphasis will be on conversation and fluency.

Office Aide – 1 or 2 semesters

Prerequisite: By Recommendation (Pass/Fail with credit)

The student will assist the school secretary by relaying messages, running copies, and doing other miscellaneous duties as assigned.

Spanish 1 – full year

This course introduces the students to basic Spanish conversation, vocabulary, grammar, history, and culture. Conversation in Spanish is encouraged. Students will be able to read, write and speak in Spanish in the present tense.

Spanish 2 – full year

Prerequisite: Spanish 1

This course will review the concepts learned in Spanish I, as well as encourage learning Bible verses in Spanish, regular and irregular verbs, and vocabulary, present, past and future sentences, articles and adjectives. Conversation in Spanish is encouraged. Students will be able to read, write and speak in Spanish in the present, past and future tenses.

Spanish 3 – full year

Spanish 3 is a continuation of knowledge acquired in both Spanish 1 and Spanish 2, as well as an introduction to new vocabulary, structures and expressions. Students are offered opportunities to reinforce and expand vocabulary and structure from Spanish 1 and 2 through exposure to authentic literature and legends of the Spanish speaking world. More emphasis will be placed on reading as a way to acquire a richer array of vocabulary and structure. Spanish 3 continues to lay the groundwork for a lifelong exploration of and participation in Spanish language and culture in the global community.

Study Hall

Prerequisite: Counselor/Administrator Approval

Purpose: To assist students in their academic pursuits and organizational skills. (No credit earned.)

Teacher's Aide – 1 or 2 semesters

Prerequisite: By Teacher Recommendation (Pass/Fail with credit)

The student will assist the teacher by running copies, and doing other miscellaneous duties as assigned.

Theater Production – 1 semester class

This program is designed to nurture the student's impulse to depict experiences, communicate an understanding of those experiences, and give them form and meaning. This program provides students with opportunities to examine human experiences through imagined roles and situations, and to value the essential contribution of drama to their quality of life.

Graphic Arts/Yearbook – 1 or 2 semesters

This is a hands-on course where, in the process of creating a yearbook, the students learn to prepare a yearbook for publication. Students are responsible for theme identification, photography, production schedules and assignments, page layout, copy and headline writing, and production coordination. This course also teaches the basics of photography. A spectrum of subjects from composition to editing is taught. Grading is equally weighted between both facets of class.

Medical Terminology

Medical Terminology course is designed to introduce students to a new, special language of medical terminology. In essence, it is a “foreign” language, however; easier as you are already familiar with many of the words. After introduction chapters, the different body systems will be the catalyst used to discover this wide world of Medical Terminology. Along the way, evidence of our God the Creator’s intricate, intentional, and beautiful design of the human body will become undeniable

Nutritional Science

This course will use basic science concepts to explain nutrient function, metabolism and interaction in humans. This course will cover the metabolic and physiological functions of nutrients at the molecular, cellular, tissue, organ and system level, integrating the effects of nutritional status in health and disease. Along the way, evidence of our God the Creator’s intricate, intentional, and beautiful design of the human body will become undeniable!