



COURSE OFFERINGS -- 2017-18 SCHOOL YEAR

Junior High Course Offerings

7th Grade

Bible: Bible 7

Literature: Literature 7

Math: General Math 7, Pre-Algebra Year 1, or Accelerated Pre-Algebra

Physical Education (if not playing a sport)

Science: Science 7

Social Studies: World Studies 7

Writing: JH Foundations of Writing *or* Writing 7

Electives (options vary from year to year)

8th Grade

Bible 8: Old Testament Survey

Health: Boys' or Girls' Health – 1 semester class

Literature: Literature 8

Math: General Math 8, Pre-Algebra Year 2, or Accelerated Algebra 1

Science: Science 8

Social Studies: Geography - 1 semester class

Writing: JH Foundations of Writing *or* Writing 8

Electives (options vary)

Advisory

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 and a core group of students with whom to connect. 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. No credit is issued for Advisory.

BIBLE

Bible 7

Using the Bible and the Character Quest textbooks, students will take a deeper look into a different, Godly character trait each week. As students study the Bible they will discover real people who desired to know God and follow him. By studying character traits, students will be able to link “being a disciple of Christ” with “displaying Godly character”.

Community Service

The junior high requirement for community service is 5 hours per semester.

Bible 8

This course is designed to present an in-depth scriptural study of the lives of selected Old Testament characters. Using both positive and negative examples, students learn from the context of the characters presented how God has shaped history to fulfill His Gospel story in Jesus. Major themes include redemptive grace for Old Testament characters and how Christ sufficiently fulfills the Old Covenant (Hebrews 1).

HEALTH

Boys' or Girls' Health 8 – 1 semester class

The junior high level health course is gender specific. Students study the major components of health: spiritual, physical, mental, emotional, and social. Life skills will be developed throughout this class with an emphasis on decision-making and refusal skills.

LITERATURE

Literature 7

This course is designed to develop reading skills and studies a cross-section of literature. Literary samples will be read and students will discuss the purposes and major themes of these works. The student will be assigned relevant writing assignments that will help him/her understand literary elements as well as apply them to his/her own life. This class is more concrete in format, with some experience in interpretation to prepare students for Grade 8.

Literature 8

Students study a variety of types of literature, including short stories, poetry, non-fiction, and drama. Students respond to the literature by writing, interpreting orally, and discussing the various selections. Students practice evaluating the literature themes in the light of Biblical criteria while gaining a broader knowledge of life. Special enrichment features include a short story unit, a survey of American poetry, and individual book projects. The students move from concrete to more abstract interpretation, application, and evaluation of various genres and facets of literature.

MATH

General Math 7

This course will further develop the student's understanding of real numbers and continue to grow their confidence in basic mathematical concepts. Students will use basic arithmetic skills in computation and problem solving topics including use of real numbers, percent, perimeter and area, metric measurements, fractions, and decimals.

Pre-Algebra, Year 1

This course will further develop the basic math skills and concepts from General Math necessary for basic math competency, and introduces the student to beginning/basic algebraic concepts. Students will practice basic arithmetic skills in computation and problem solving topics including use of real numbers, exponents, square roots, basic geometry, area and volume, metric measurements and conversions, coordinate graphing, probability, and statistics.

Accelerated Pre-Algebra

Accelerated Pre-algebra is designed for 7th grade students who are prepared to be challenged to think critically and practice a variety of pre-algebra concepts on a deeper level. Students and teacher will complete lesson note sheets together (which have Math Counts problems included many times) and work through questions on daily assignments. Students will be asked to complete rigorous study guides and

tests, while achieving a prescribed level of proficiency in the Khan Academy Mission of Pre-algebra. Focused attention and notetaking, critical thinking and computational proficiency (without the use of calculators this year), and thorough review and preparation will characterize successful students in this class. Enrollment in this class is by teacher recommendation.

General Math 8

This course is a continuation of General Math 7. Students will further develop their understanding of real numbers and continue to grow their confidence in basic mathematical concepts. Students will use basic arithmetic skills in computation and problem solving topics including use of exponents, graphing, functions, basic probability, statistics, scientific notation, and linear relationships.

Pre-Algebra, Year 2

Prerequisite: Pre-Algebra, Year 1

This course is a continuation of Pre-Algebra 1 and covers the second half of Pre-Algebra.

Accelerated Algebra 1

When taken in 8th grade, this class will appear on the high school transcript.

Prerequisite: Accelerated Pre-Algebra and Teacher Recommendation

This course introduces the student to algebraic reasoning and gives opportunity for application of mathematical concepts. Students will be able to solve equations in one and two variables, as well as use of exponents, square roots and radicals, polynomials, factoring, and quadratic equations.

SCIENCE

Science 7

This course introduces the student to the study of living things. Exploring the mechanics of cell structure, cell transport, cell reproduction, DNA structure and replication, protein synthesis, genetics, evolution, classification, protists, fungi, bacteria, viruses, plants, body systems, ecology, animal habitats and behavior, plus environmental issues are the topics that will be covered. The student will use the scientific method in exploring the above topics. Proper use of laboratory equipment and procedures will be taught.

Science 8

8th grade science is designed to show students the wonders of the physical world that God has created. From the simplest piece of soil, to the vastness of the universe, to the energy in systems and how amazing your sense of hearing is, all point to an amazing Creator. We will strive to understand this just a bit more and praise God with our new found knowledge. Students study earth science during first semester, including the composition of the earth, rocks, plate tectonics, earthquakes and volcanos, the atmosphere and weather. During second semester, we study physical science including motion, energy, sound, light and electricity. All topics all year long will include a wide variety of labs and hands on activities.

SOCIAL STUDIES

World Studies 7

This survey course is designed to give students an overview of world geography, history, and cultures. During first semester the class explores European History from the Crusades through the Victorian Era. World Studies focuses on the stories of people in world history and God's interaction with humanity. Second semester shifts focus to other civilizations: the Mongols in China, colonial Africa and India, exploration of Australia and Oceania, and the development of the Americas. At the end of the semester students study the rise of the modern world, focusing on World War I and II. Students read and interpret the basic text while employing class discussion, special projects, and map skills

Geography 8 – 1 semester class

This course emphasizes recognition of countries and major geographic features. Students study the resources, governments, histories, and cultures of the countries. Current events are also discussed when they are relevant. Students develop map skills and recognize cause-effect relationships as factors in current world affairs.

WRITING

JH Foundations of Writing

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 7th and 8th grade 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.

Writing 7

This is a survey class of the main genres of writing: Narrative, Informative, and Argumentative. Students write various essays including Realistic Fiction, Thematic Literary Analysis, Informative Research, Research-based Argument, Reflection, Fantasy Fiction, and Article Writing. In narrative writing, students must demonstrate an understanding of theme and how to develop it in an essay. In informative writing, students will research current events in order to write articles. In conjunction with the science department, they will also research and analyze something in nature in order to prove God's perfect design. Students will focus on supporting their ideas and incorporating research with the correct use of MLA citations. In argumentative writing, students will research an issue that interests them and write an argumentative essay that highlights their point of view as well as the opposing viewpoint. They must weigh each side and clearly show the reasons behind their belief. Students need to organize their papers in a way that guides the reader through their analysis.

Writing 8

Students write various essays including News Articles, Investigative Journalism, Flash Fiction, Persuasion, Literary Analysis, and Research-based Argument. In article and persuasive writing, students research current issues and analyze research to assess validity of support and potential bias. Students then synthesize research and write an organized, logical paper utilizing research to prove their thesis. Opposition must be researched and acknowledged. Finally, students consider the Biblical perspective and determine the accuracy of their thought in light of God's word. MLA format is expected. In creative writing, students strive for precise wording and cohesive structure. They will explore the use of *ethos*, *pathos*, and *logos* in determining how to captivate the reader.

JUNIOR HIGH ELECTIVES

The following courses have previously been offered at Cole Valley Christian School and are not necessarily offered every semester. Elective choices each year are based on teacher availability and student interest. A nominal fee that covers supplies, field trips, curriculum, etc. is charged for most classes.

JH Art – 1 semester

This course is designed to teach students to recognize and successfully employ art vocabulary, the elements and principles of design, various art media, and tools and techniques while expressing themselves visually. Students will learn problem solving skills and will be able to describe, analyze, interpret, and make judgments about works of art, including their own.

JH Band - Full year

Prerequisite: None

Students develop instrumental music skills on the instrument of the student's choice. Students provide their own instruments, with the exception of specifically assigned instruments. Students are expected to meet minimum assigned practice requirements and participate in all band performances.

JH Color Guard

The Color Guard is a fun and exciting group that works closely with the band program. We strive to provide a Biblically based opportunity for student growth, development, and understanding of music, color, and movement through individual devotion and group participation. As part of the instrumental music program, it is our goal to input the Biblical principles of truth, wisdom, integrity, commitment, honor, and excellence in all of our students. The natural outcome of these principles is Christ-centered service through performance. Color Guard instruction includes choreography and equipment training related to, what is called: "Sport of the Arts" (example: flags ruffles, dance, and ribbons) with equipment supplied by the CVCS Instrumental Music Department. Performances are required and occur at selected sporting events, marching competitions, parades, festivals, and winter guard/showcases.

JH Domestic Skills – 1 semester

This course is designed to teach the following: nutrition, laundry, cooking, and sewing. The student will learn to use these skills for daily living.

JH Music and Choir – 1 semester

Choir students will learn to use their vocal instrument to create a correct and pleasing, singing sound. In addition to learning proper vocal production and technique, students will also learn music reading skills, sight-singing skills, and performance skills. This is a performance-based class. Participation in concert performances outside of regular class hours is required.

JH Physical Education (Boys or Girls)

1 semester required unless playing at least 1 CVCS sport during junior high or participating in Marching Band

Students will participate in a variety of physical activities. We will focus on lifetime activities, team sports, and individual activities.

JH SAS Lab

Prerequisite: Special Academic Services Coordinator approval only.

JH Introduction to Spanish – 1 semester

Students will be introduced to pronunciation, phrases, and beginning conjugation of Spanish. Students will also learn about Spanish speaking countries and culture within this country. Students will be able to carry on a simple conversation in Spanish. They will begin to be able to read in Spanish correctly.

JH STEM – 2nd semester only

STEM Challenges will push younger scientist/engineers with a wide variety of challenges and the students must provide a working solution. Students will sharpen their math, science, creativity and team working skills during this semester long class. Students will learn how to design, build, test, analyze and correct a wide variety of topics including but not limited to; rocketry, cardboard carpentry, 3D design and printing, simple machines, mechanical efficiency, and much more. This class is designed to offer advanced students with opportunities to apply their scientific understanding. It does *not* replace the JH Science courses.

JH Study Hall – 1 semester

Available to students who need additional study time at school.

JH Theater – 1 semester

Students will be exposed to the wide world of theater arts and a multitude of platforms for performance. The basic principles of theater etiquette will be taught, while students have the opportunity to explore their own creative expression. The instructor will emphasize the historical and cultural origins of theater, the study of acting as a discipline, and the fundamental techniques of acting.

Senior High Course Offerings

9th Grade

Bible 9: New Testament Literature

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

Math: Math at Appropriate Level

Science: Biology *or* Honors Biology

Social Studies: Early American History

Other Required Classes:

Computer Applications – 1 semester required

PE – 2 semesters required in high school

Speech – 1 semester required

Electives: 1 per semester

2 consecutive years of foreign language are highly recommended; optimal start is 9th or 10th grade

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: Math at Appropriate Level

Science: Chemistry, Honors Chemistry *or* Physics recommended

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

Electives: 2 per semester

*2 consecutive years of foreign language are recommended with an optimal start in 9th or 10th grade

11th Grade

Bible: Bible Electives – 1 per semester

Same offerings as Sophomore year

English: English 11 *or* AP Language & Composition

Math: Math at Appropriate Level

Science: 1 year elective course offerings

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

CNA Program; Environmental Solutions; Introduction to Robotics; Advanced Robotics

Social Studies: World History

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

Electives: 2 to 4 semesters, including Foreign Language

12th Grade

Bible: Worldviews

English: English 12 *or* AP Literature

Math: Math at Appropriate Level

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: 2 to 4 semesters, including Foreign Language, *or* Early Dismissal option

CONCURRENT CREDIT OFFERINGS

Concurrent Credit from Northwest Nazarene University

Calculus
Honors Algebra 2
Honors Government
Pre-Calculus

Concurrent Credit from the College of Western Idaho

AP Language & Composition (11th grade)
AP Literature (12th grade)
Computer Applications
Early American History
English 11 and 12
Speech
World History

Concurrent Credit from Boise State University

Computer Programming

BIBLE

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.

Bible 9 - New Testament Literature

Students will learn basic hermeneutics, the history, literature, and devotional meaning of the Old Testament and learn to understand the context in which the books of the New Testament were written. In making the Bible come alive, attention is directed to a comparison study of the Gospels, the Passion Week, the expansion of the church, the letters of Paul, and major themes of the book of Revelation.

Skills: Students apply the hermeneutical or critical literary reading principles of context, grammar, and genres of literature to various passages in the Old Testament. The student, also, sees the big unfolding drama of God's revelation; they consider the rich diversity of literary styles, the historical nature of the text, its use as the guide for faith and life, and both general and personal issues facing them and the church in all ages. Students will memorize key Bible passages.

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.

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.

Biblical View of Law

Biblical View of Law covers landmark cases of the Supreme Court from *Marbury vs. Madison* to present cases, taking each case and comparing its arguments and findings with the teachings of the Scripture. The students will work on cases in their own "law firms" and will have the opportunity to argue cases in "court". The students will also have the opportunity to visit the State House of Idaho while it is in session and get to watch as bills are argued in the House and the Senate.

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

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.

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.

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.

Ministry Development

Students will discover what it takes to plan and execute a weekly chapel service. Students will be involved in planning, presenting, promoting the chapel services. Students will be encouraged to develop and contribute to the chapel service through use of their gifts and talents. Students will also study the Spiritual Disciplines and seek to develop a connection between Head, Heart and Hands.

Skills: Discovery and practice of Spiritual Gifts, team work skills, creating, implementing and analyzing a plan through developing a process, Bible Study and life application, Power Point presentation skills, sound equipment understanding.

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.

Philippians *(example of one Book of the Bible class; others offered will vary)*

This course will take an in-depth look at Paul’s letter to the Church at Philippi as students learn how to study a book of the Bible from start to finish. During the study students will learn the historical and geographical context of Philippi and Paul’s relationship with the believers there. Once completed, student should be able to clearly articulate the purpose and message of the book of Philippians as well as the spiritual truths found within this letter.

Bible 12: Worldviews

This course is structured to demonstrate that ideas have consequences. It is designed to help students clearly understand the tenets of the Biblical Christian worldview, as well as key apologetic issues, and how it compares to the competing worldviews of Secular Humanism, Marxist-Leninism, Cosmic Humanism (New Age), and Postmodernism.

Skills: Students learn to see the “big picture” and understand how Christianity not only applies to, but also under girds every area of life. The course is a challenging prep course not just for college; it goes further preparing them for life. Students learn to discern trends and perceive the fatal flaws in competing worldviews.

ENGLISH

High School Foundations of Writing

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, Pre-AP

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

Students will analyze various works from World Literature and the religions and writing styles that influenced these works. Students will then identify the intersection between faith and choices to increase understanding of how Christianity has impacted the world. Students will write advanced essays to enhance and explain their understanding. Rhetoric, research, grammar, and syntax will be taught to enrich writing. This class corresponds with American History 2.

AP English 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. Essays for this course demand advanced analyses. This course is compliant with national AP standards and students are required to take the AP Literature exam. This course takes an additional 3-4 hours per week.

AP English Language

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.

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.

MATH

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.

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.

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.

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 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 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.

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.

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.

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.

Trigonometry

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.

Calculus

Prerequisite: Pre-Calculus with an 85% or higher

NNU Concurrent Credit Calculus is the most rigorous mathematics course taught at Cole Valley Christian School. 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.

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.

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.

SCIENCE

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.

Environmental Solutions

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.

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.

SOCIAL STUDIES

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.

Honors 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 CLASSES

Computer Applications: 1 Semester - Recommended in 9th Grade

This course will teach the student a broad range of applications that are essential not only for high school, but college and beyond. An immersion style of teaching takes the student through all of the standard office apps including word processing, spreadsheets, and presentation software, through page layout and design, web page development, and other useful applications. In addition, students will be introduced to programs, tools and methods that they will utilize in their high school classes.

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.

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.

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.

ELECTIVES

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.

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.

Comp TIA A++ course (Computer Help Desk Certification)

A+ (A Plus) is an entry-level computer certification for PC computer service technicians. This class is designed to prepare students to certify the competency of entry-level PC computer service professionals in installing, maintaining, customizing, and operating personal computers. Comp TIA class work provides guidelines dealing with business ethics and professionalism, and is involved with many issues including product returns, warranty claims, and price protection. Currently, A+ is the only major non-vendor-specific hardware certification available for IBM-compatible computer systems. Increasingly, many help desk positions as well as service centers are requiring A+ certification or similar experience as a basis for hiring. Students will work at the Computer Help Desk during the school year to get hands on experience. They will also work through study guides and labs to prepare them to take the COMP TIA certification.

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.

Domestic Skills: 1 semester class

This class is designed to teach skills needed to help the students to be capable of living on their own. Laundry, organizing, ironing, sewing, cooking, budgeting, planning, shopping, cleaning and serving etiquette are incorporated with hands-on activities. Also, included is a five-week adventure in international cooking.

Exploring Computer Science

Exploring Computer Science (ECS) is a K-12/University national program committed to democratizing computer science knowledge by increasing learning opportunities at the high school level for all students, with a specific focus on access for traditionally underrepresented students. Exploring Computer Science is a yearlong course consisting of 6 units, approximately 6 weeks each. The course units draw on the curricular framework listed in Levels II and III of the ACM's A Model Curriculum for K-12 Computer Science (2003). Assignments and instruction are contextualized to be socially relevant and meaningful for diverse students. Units utilize a variety of tools/platforms, and culminate with final projects around the following topics:

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.

Introduction to Programming: 1 semester

Study of Java language; AP case study, linked lists, stacks, queues, trees, and common algorithms (recursion, searching and sorting).

Introduction to Web Design: 1 semester

Prerequisite: Strong knowledge of computers, Junior High Office Applications as a minimum.

Purpose: To expose students to the technologies that makes up web sites and applications.

Skills: Students will learn the core elements of a web site to include XHTML and CSS. From there they will learn a minimum of server side operations and programming using PHP. As a last section, the student will learn an introduction to JavaScript and how to automate some page operations.

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.

(April 2017)