Bible Department

Old Testament Survey (7th Grade) – fall and spring semesters
The purpose of this class is to introduce students to the history of God's people in the Old Testament from creation through the returned remnant and how the stories of the Old Testament point to the coming of Jesus. Students will learn the background of each book, focusing on the author, audience, and theme, followed by reading and studying the text itself. Students will also have a memory verse with each unit, focusing on what we learn from that section of verses. Students will also be taught basic Bible-study skills and techniques to help deepen their understanding.

New Testament Survey (8) – fall and spring semesters
The purpose of this class is to introduce students to the story of the New Testament while reading through each book. Students will learn the background of each book, focusing on the Author, Audience, and Theme, followed by reading and studying the text itself. Projects will be used throughout the year to reinforce and extend learning outside of the classroom. Students will also be taught basic Bible-study skills and techniques, particularly in the second semester.

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

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

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

Life of Christ – 10th Grade, spring semester
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.

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

Ethics – 11th Grade, spring semester
Examines the structure and content of Christian ethics as it pertains to motives and the Christian life. An analysis of ethical issues of authority, life, sexuality, property, truthfulness, environment, race, and work. Students will be challenged to think through these issues while understanding other viewpoints and the logic behind what humans believe.

Biblical Interpretation – 12th grade, fall semester
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.

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

Introduction to Christianity & American Culture (1st semester/International Student course)
This course is designed for new international students. It includes an Old Testament and New Testament Bible survey that includes Bible major themes, people and key events. It also includes a unit on culture (American and CVCS). The purpose is to give a good understanding and expose students to Christianity and American culture to help them in future Bible courses. The course is taught concentrating also on ELL standards to help students with their input (reading & listening), output (writing & speaking), fluency (grammar/pronunciation/spontaneous conversation, etc).

Electives

Speech – 1 semester - Recommended for 9th graders, required for graduation.
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 informative, persuasive, extemporaneous and impromptu speeches, along with learning skills for intrapersonal, interpersonal, and small group communication. This course is offered for college credit through College of Western Idaho.

College & Career Prep – 1 semester, ideal for 11th grade, 12th graders can also benefit from this course
Students complete several aptitude tests, and combine those results with several strength and values assessments to determine best fit for careers and college majors. This is a hands-on course where class participation and cooperation are essential. Students learn to navigate college websites to find everything needed to sift through information and find schools that fit best. This class hosts admission office presentations from colleges across the state and country. Students will also have 4-5 specific career exploration days that include visits from financial advisors, nurses, home builders, real estate brokers, interior designers, lawyers, physical/occupational/rehab therapists, and full time missionaries. Two major advantages for students in this class are creating a personal and professional resume, and learning and practicing interview skills to help navigate the job market, as well as any in person college or scholarship interviews.

College & Career 10 – 1 semester – satisfies Personal Finance requirement for graduation
This course will introduce students to the college search process, help identify strengths and interests through aptitude tests, and cover the Personal Finance requirements for graduation. This is a hands-on course where class participation and cooperation are essential. Students will be introduced to universities throughout the country as they learn to navigate websites to find information that will help them begin a list of best fit colleges. Trade schools and 2-year college options will also be explored. Guest speakers will help students explore careers that may interest them, including possible visits from financial advisors, nurses, home builders, real estate brokers, interior designers, lawyers, physical/occupational/rehab therapists, and full time missionaries. Students will begin work on a personal and professional resume, and they will leave this class with skills to interview well during a job or college interview.

Intro to Business – 1 semester – satisfies Personal Finance requirement for graduation
If you're interested in learning more about the the world of business because you may like to become an entrepreueur, an accountant, a CEO, or own your own business, this class is for you! Students will be introduced to business terminology, concepts and ideas to help become successful in your future college education or workplace pursuits. This class will provide you with knowledge, skills and understanding of finance, management, and marketing. For 9th and 10th graders, we will incorporate Personal Finance into this class so you are able to have this requirement met with this elective option.

Personal Finance – 1 semester – 10th grade, required for graduation
This class addresses individual, everyday financial decisions, focusing on a Biblical worldview. Students are guided on developing responsible spending habits that will serve them well as they become more independent. Students simulations provide students with practice completing routine personal financial records, including budgeting, saving and investing strategies, income tax e-filing, credit and consumer rights, credit scores, and banking services.

Domestic Skills – 1 semester
Students will explore areas to enhance life skills in the home and beyond. Learn basic home management skills, including cooking, shopping on a budget, gardening, annual home maintenance, laundry care, budgeting, child care, and family menu planning through hands on activities and group projects. A focus will also include hosting skills as a Christian, and how we can open our homes to invite others in for fellowship.

Economics - 1 semester – 11th or 12th grade, required for graduation
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.

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

Spanish 1 – full year
Spanish 1 introduces students to basic Spanish in all the modes of language: vocabulary and culture, listening, reading, writing, and speaking. Topics include talking about yourself, as well as 'immediate' contexts (ie: personal interests and school). Grammar is taught primarily indirectly, pronunciation is practiced, and we will learn verses and songs in Spanish that capture the Truth of God. Communication will generally revolve around the present tense. Spanish 1 is highly interactive and all students are expected to participate.

Spanish 2 – full year
Spanish 2 cultivates basic Spanish abilities in all the modes of language that were developed in Spanish 1: vocabulary and culture, listening, reading, writing, and speaking. Topics include talking about travel, as well as 'less immediate' contexts (ie: buying clothing and talking about the past). Grammar is taught primarily indirectly, pronunciation is practiced, and we will learn verses and songs in Spanish that capture the Truth of God. Communication will generally revolve around the present and past tense. Spanish 2 is highly interactive and all students are expected to participate. *Prerequisite: Spanish 1*

Spanish 3 – full year
Spanish 3 cultivates basic Spanish abilities in all the modes of language that were developed in Spanish 1 and 2: vocabulary and culture, listening, reading, writing, and speaking. Topics include talking about 'non-immediate' contexts (ie: talking about accidents, or professions). Grammar is taught, primarily indirectly, pronunciation is practiced, and we will learn verses and songs in Spanish that capture the Truth of God. Communication will generally revolve around the present and past tense, and more advanced grammar topics are explored. Spanish 3 is highly interactive and all students are expected to participate. *Prerequisite: Spanish 2*

French 1 – full year, online only using IDLA
French 1 covers grammar, vocabulary and culture for beginning French. Students will learn vocabulary for greetings, school, families, houses, and food during first semester, and weather, animals, travel,

sports, leisure activities, clothes, and health second semester. They will form basic sentences in French as they learn verb conjugation, articles, gender of nouns, cognates, subject pronouns, adjectives, questions, dates, time, prepositions, and possession. Second semester will add near future, adverbs, imperatives, the recent past, relative pronouns, comparatives, negation, and superlatives. They will compare French culture with their own as they study many areas of life.

French 2 – full year, online only using IDLA
French 2 students continue to expand their knowledge of useful French vocabulary, concepts, and culture to help prepare them for real-world language situations. Students will learn more about the geography and different regions of France along with the concepts of nationalism and patriotism in France today. Second semester will focus on vocabulary related to vacation, staying healthy and eating good foods, the environment and conservation, science and technology, museums and art, the working world, love, and money. Many advanced grammatical concepts are presented in this course, such as the comparative and the superlative of adjectives, the uses of the pronoun "en," the expressions "avoir besoin de" and "il me faut," direct object pronouns, adverbs of frequency, and reflexive verbs in French. Second semester they will use past tenses with both avoir and etre, the imperative, irregular adjectives in the superlative, the imperfect tense, direct and indirect object pronouns, using savoir and connaitre correctly, forming the simple future tense, and learning how to form and use the subjunctive tense correctly in French. Students will work diligently to improve their reading, writing, and speaking skills in this beautiful language as they progress through the course.

Exploring Languages and Cultures – 1 semester
Prerequisite: none Exploring Languages and Cultures exposes students to a variety of 'major' world languages, and the salient culture points that are associated with each language. During the semester, we will learn basic communication phrases in each language, be introduced to the language's orthography (writing system), understand the dominant religious perspective of the language's people group, and understand major culture elements and sensitivities. Language units will last between two to three weeks, and may include Spanish, French, Arabic, Chinese (Mandarin dialect), Japanese, Latin, German, Russian, American Sign Language, and Survey of World Missions.

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 with God's plan as our foundation will help students learn skills to protect, enhance, and maintain their health, with an emphasis on decision-making and refusal skills.

PE Girls Fitness – 1 semester
The primary objective in this course is to learn a variety of methods for improving and maintaining strength and conditioning through entry level stabilization training, weight training, and cardiovascular training. Students will follow the fitness plan provided by the instructor to achieve increases in strength, agility, and overall fitness. This course satisfies the one semester high school PE credit.

PE Strength and Conditioning – 1 semester
Students work on building strength and improving their cardiovascular training through work in the weight room and gym. Students are taught technique and supervised by our strength coach as they follow a workout plan to achieve significant increase in strength, agility, and overall fitness. This course satisfies the one semester high school PE credit.

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

English

Fundamentals of English 9 – 1 Year
This course is designed as a survey of introduction to literature in which students will analyze various genres of literature from classical to contemporary literature. Emphasis is placed on developing critical thinking skills and close reading strategies as students analyze literature from multiple genres, periods, and cultures. Students will write various essays to enhance and explain their understanding as well as strengthen their writing skills. Research, grammar, and syntax will be taught to enrich writing. Students will participate in class discussions to develop speaking and listening skills. This course will build on individual student strengths and scaffold for areas of challenge.

English 9 – 1 Year
This course is designed as a survey of introduction to literature in which students will analyze various genres of literature from classical to contemporary literature. Students will analyze various genres of literature relevant to adolescents. Emphasis is placed on developing critical thinking skills and close reading strategies as students analyze literature from multiple genres, periods, and cultures. Students will write various essays to enhance and explain their understanding as well as strengthen their writing skills. Research, grammar, and syntax will be taught to enrich writing. Students will participate in class discussions in order to develop speaking and listening skills.

Honors English 9 – 1 Year
This course is designed to follow the English 9 curriculum with additional texts and accelerated writing. Honors English 9 will require more extensive reading outside of class. Students will analyze various genres of literature from classical literature to contemporary literature relevant to adolescents. Emphasis is placed on developing critical thinking skills and close reading strategies as students analyze literature from multiple genres, periods, and cultures. Students will write various essays to enhance and explain their understanding as well as strengthen their writing skills. Research, grammar, and syntax will be taught to enrich writing. Students will participate in class discussions in order to develop speaking and listening skills.

Fundamentals of English 10 – 1 Year
In this course, students will analyze the impact of the written word upon our nation's culture and history. They will evaluate the power of language as an instrument to be used for God's glory and purposes. Through the study of novels, historical documents, short stories, poetry, essays, nonfiction articles, etc., students will learn to comprehend with wise judgment, and respond with thoughtful analysis. Students will be challenged to develop their spoken and written voice through engaging interaction and frequent writing. This course will build on individual student strengths and scaffold for areas of challenge.

English 10 – 1 Year
Students will analyze various works from American literature in order to critique how literature reflects historical events and the spiritual state of our nation. In addition, students will study various periods in American literature to identify significant changes in writing styles and thought. Students will write various essays to enhance and explain their understanding of our changing nation, and how literature influenced those changes. Research, grammar, and syntax will be taught to enrich writing.

Honors English 10 – 1 Year
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, and how literature influenced those changes. 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.

Fundamentals of English 11 – 1 Year
Fundamentals of English 11 emphasizes the process and strategies of writing with critical attention to purpose, audience, and style composition as well as a survey in World Literature. Students write analytical, creative, and research essays. Students will engage in college-level writing through the fundamentals of rhetorical theory. Students will read seminal literary texts to understand changes in style and period. This course will build on individual student strengths and scaffold for areas of challenge.

English 11 – 1 Year
English 11 emphasizes the process and strategies of writing with critical attention to purpose, audience, and style composition as well as a survey in World Literature. Students write analytical, creative, and research essays. Students will engage in college-level writing through the fundamentals of rhetorical theory. Students will read seminal literary texts to understand changes in style and period. Available for CWI concurrent credit in English 101: Writing and Rhetoric I.

AP English Language and Composition – 1 Year
Advanced Placement English Language and Composition focuses on the rhetoric of non-fiction. The class trains students to study and explain the writing, rhetorical strategies, and techniques used in some of the world's most famous non-fiction. The writing in the class is extensive, with assignments of various kinds each week, all centered around the kind of essay questions asked on this AP test. Readings in the class range from 5 to 30 pages in length and often involve very sophisticated, complex language and argumentation. This course may also be taken for concurrent credit in English 101 through CWI.

Fundamentals of English 12 – 1 Year
Fundamentals of 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 will build on individual student strengths and scaffold for areas of challenge.

English 12 – 1 Year
This course may be taken for concurrent credit in literature. 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. Available for CWI concurrent credit 175 Intro to Literature.

AP English Literature and Composition – 12th Grade, 1 Year
AP English Literature and Composition is an introductory college-level literary analysis course. Students cultivate their understanding of literature through reading and analyzing texts as they explore concepts like character, setting, structure, perspective, figurative language, and literary analysis in the context of

literary works. This course may also be taken for concurrent credit in literature through CWI (Intro to Literature 175).

Creative Writing – one or two semester elective, open to grades 9-12
The course is designed for students who wish to concentrate on fiction writing, but will also explore the finer points of creative non-fiction, the fun of journalism, and the tastiness that is food writing! The course will include some lecture, discussion, assigned reading, and writing exercises to develop new skills to critically examine the elements of literary creation.

Fine Arts

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
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. *Prerequisite: Art 1 – Mixed Media*

Ceramics – 1 semester
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. *Prerequisite: Art 1*

Worship Team Class – 1 semester
Develop a theology of Christian worship from the Bible to allow students to gain a better understanding of what worship is, and why we are called to worship. Students will grow in their ability to lead worship musically and to be a part of this process together with their peers.

Band – 1 year
This class includes concert, marching, pep/jazz band. 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.

Concert Choir – 1 or 2 semester class
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. *Prerequisite: Participation in junior high music preferred, voice check, teacher recommendation*

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.

Yearbook/Graphic Arts – 1 or 2 semesters
This is a hands-on course where students work together to create and build 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.

Spring Play Production - 2nd semester
The Spring Play is an extracurricular, audition based, high school level, theatrical production. All auditions, rehearsals, and performances take place during after-school hours. This program focuses on the acting/performing piece of the second semester production, cooperating with the Stagecraft class. Students chosen for the Spring Production are required to commit to a rehearsal schedule, participate in the audition and casting process, memorize lines and movement, be willing to sing or dance, collaborate with fellow students in the ensemble, and be actively engaged and present for all necessary rehearsals and performances.

Math Department

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, and logarithmic expressions and equations. Students will encounter many application problems on each lesson, computational intensity, and AMC 10 problems in order to complement the Algebra 2 curriculum.

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

In this course students will deeply investigate numerous functions, trigonometry, conic sections, probability, and limits—along with other algebraic and geometric topics. American Mathematics Competition problems may be explored. End-of-the-year lessons may also include a brief overview of calculus topics of limits, continuity, the derivative, differentiability, and integration.

Calculus

Prerequisite: Honors Precalculus with an 70% or higher; Precalculus with an 85% or higher.

There will be a brief review of key pre-calculus concepts. Students will study limits (and how they change precalculus concepts into calculus concepts), graphing theory, differentiation with applications, integration with applications, and transcendental functions. Students will also investigate rates of change, numerous derivative and integration formulas and concepts, finding the area under curves, advanced problem-solving skills using derivation and integration techniques, among other thinking skills. The concepts in this class will include the same instruction, if offered during the same class period as Calculus, but the assignments, review, and tests will be shorter, less intense, and less time-consuming. (On the four-point scale.)

Honors Calculus

Prerequisite: Honors Precalculus with an 85% or higher

There will be a brief review of key pre-calculus concepts. Students will study limits (and how they change precalculus concepts into calculus concepts), graphing theory, differentiation with applications, integration with applications, and transcendental functions. Students will also learn rates of change, numerous derivative and integration formulas and concepts, about finding the area under curves, advanced problem-solving skills using derivation and integration techniques, among other thinking skills. The concepts in this class will include more intense computations, applications, assignments, and tests. (On the five-point scale.)

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.

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

Integrated Math 3

Prerequisite: Integrated Math 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.

Science

Anatomy and Physiology – Full Year, Dual College Credit through CWI
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. *Prerequisite: Biology*

Natural Resources – 1 semester
This class takes a deep dive into what it means to steward God's creation. Students will learn about the environment and our role in it, with topics including biodiversity and extinction, plant and animal identification, habitat, invasive species, air and water pollution, hunting and game management, and resource management. *Prerequisite: Biology*

Applied Science – 1 semester
In this project-based class, students will learn how to apply principles of science in order to solve real-world problems. We approach a wide range of problems, and many projects are driven by student interests and strengths. Students will learn the steps of the design process: defining the problem, brainstorming, researching, prototyping, testing, evaluating, improving, and communicating. Students will gain experience in constructing models, 3D printing, and creatively utilizing materials.

Biology – 1 year
This course is designed to teach students the details behind the processes that control all organisms on earth. By learning how organisms function, students will appreciate the value of living things and the care that God put into designing our world. The course will cover 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 – 1 year
This course is designed to teach students the details behind the processes that control all organisms on earth. By learning how organisms function, students will appreciate the value of living things and the care that God put into designing our world. The course will cover 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 – 1 year
AP Biology is a class designed to replace a college science major's first year biology course. The ultimate goal is to prepare students to take and pass the national AP Biology test in May. With a passing score, students can receive up to 8 college credits. This course is an in-depth view of many of the topics taught in the introductory biology class. The focus is on the amazing cellular processes that God made to run our cells. This class will utilize the laboratory exercises included in the AP Biology curriculum as well as inquiry-based research into topics. This challenging course will prepare any student for a career in the biological or medical sciences. *Prerequisite: Honors Biology*

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

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

AP Chemistry – 1 year
AP chemistry is designed to replace a science major's first year of college chemistry. It is a challenging course that takes many of the topics learned in honors chemistry and digs deeper into the subject. The lab activities are far more inquiry based, allowing students to design and complete their own labs. The logic and problem-solving skills taught in honors chemistry are reinforced and expanded as students tackle questions that require a high level of specificity and planning. Students are expected to take the national AP Chemistry Exam in the spring. A passing grade on this exam generally equates to 8 semester credits (6 lectures and 2 labs) at many universities. Taking an AP class is considered a huge benefit to getting into many of the top universities. *Prerequisite: Honors Chemistry*

Environmental Solutions – 1 year
The environmental science class is designed for creativity and competition, and it 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. This class will require individual research and problem solving in a brand new academic area. *Prerequisite: Natural Resources and/or Applied Science*

Physics
Through hands-on application, students explore the concepts of physics. Students discover how things move with forces, momentum, collisions, work, and energy. Students build mousetrap cars applying this knowledge of motion. This course takes an in-depth look at Astronomy, discovering how God created the universe. With electricity, students build core knowledge in information transfer, arduino circuitry, electromagnetism, and electrostatics. Moving into magnetism, students analyze Maglev train systems and motors. This is a great course to prepare students for AP Physics.
Prerequisite: Algebra 1

AP Physics
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.
Prerequisite: Algebra 2

AP Physics (calculus-based)
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. *Prerequisite: Calculus (can be taken concurrently)*

Physical Science
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. Prerequisite: Junior or Senior Year, *Dual College Credit through CWI*

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!

Introduction to Sports Medicine
We will explore the fields of Sports Medicine and Orthopedic doctors, Physical Therapists, Exercise Physiologists, and Athletic Trainers. Athletic training skills will be emphasized, with skills learned for taping, first aid, CPR, AED, corrective exercise, and concussions. Internship hours will be required based on student interest, and the 10 hours may be applied to semester community service hours. *Prerequisite: Junior or Senior Year*

Exercise Design & Nutrition
This course will use a certified personal training program as a basis for sports and exercise training design. Students will learn the basis for coaching to help teams they work with be well prepared, including training design, exercise physiology, sports psychology, and exercise nutrition. The Certified Personal Training exam prep guide will be used for summative and formative assessment, and in the end, students will have excellent preparation for becoming an athletic coach or certified personal trainer. This one semester course will also satisfy the Idaho Health requirement for graduation. *Prerequisite: Junior or Senior Year*

Social Studies

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

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

World History – 11th grade, full year
This course is an overview of the history of humankind with an emphasis on people, events, and issues from Creation to modern day Israel. Students will analyze important events and issues in many civilizations throughout the world. Students will examine the historic origins of contemporary economic systems and their effect on world events. Students will analyze the process by which 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 – 12th grade, full year
This class addresses America's political development and its resulting institutions from a Christian worldview. It starts with America's historical foundations and follows a path through the United States Constitution and party politics, and concludes with the powers of government.

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

Technology and Engineering

Creative Technology – 1 semester
Game design, e-textiles, artificial intelligence, web and app design. Learn all the creative ways to use technology for design and purpose. Focus on artistic effects in computing, animation, and design, as well as the nuts and bolts behind the scenes, including programming in Scratch, Python, HTML and CSS. This course satisfies the Technology credit required for graduation for the class of 2025 and beyond.

Engineering Technology – 1 year
Using our 3D printers, students will dive into the basics of engineering design with computer-aided-drafting. Using civil, electrical, and mechanical engineering, students will use AutoDESK to design, build, simulate, render, and assemble 3D objects. This is an excellent course for those looking into construction management/ engineering/3D modeling/architecture. We are partnering with both the Engineering and Drafting departments at CWI to offer credit for two college courses, with 3.0 credits for ENGR-120 and 3.0 credits for DRFT-119. We are the first school in the Treasure Valley to offer anything of this nature. In addition, all students will become an AutoCAD Certified User, where they will have industry credentials for internships and other opportunities. This course satisfies the Technology credit required for graduation for the class of 2025 and beyond. *Course designed for 11th and 12th graders*

AP Computer Science A – Full Year
AP Computer Science is an introductory college-level computer science course that is ideal for individuals who wish to pursue a career in areas like engineering, software development and web design. Students cultivated their understanding of coding through analyzing, writing, and testing code as they explore concepts like modularity, variables, and control structures. This course is a great choice for students who plan to pursue a college major in computer science. This course satisfies the Technology credit required for graduation for the class of 2025 and beyond. *Prerequisite: Creative Technology, Intro to Computer Science, or with instructor permission*

Introduction to Robotics
Students will work with the Lego Mindstorms EV3 platform and the Python programming language to complete a wide variety of challenges. Students will learn teamwork, Python programming concepts and syntax, 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, drive with sonar, obstacle courses and many others. This is an all-year course, and will prepare students for advanced robotics and the First Tech Challenge, a competitive robot league. This course satisfies the Technology credit required for graduation for the class of 2025 and beyond.

Advanced 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. This course satisfies the Technology credit required for graduation for the class of 2025 and beyond. *Prerequisite: Introduction to Robotics*