



Course Descriptions

Co-Instructor

Most often at elementary levels.

While the classroom teacher takes the clear lead, responsibilities are often divided between the classroom teacher, and the parent-teacher at home. The parent may, in the context of provided lesson plans, introduce new material or complete specific teacher responsibilities. Examples might include penmanship, math, or grading of work.

Private Tutor

Courses are successful because each student has a private tutor (Mom or Dad) at home who is willing and ready to assist. Parents receive instructions from the classroom teacher on a regular basis outlining homework assignments, follow-up study over covered material, and preparation/review needed for the next class.

Guide for Dependent Study

The student is at an age where disciplined study habits must be developed, not by parental force, but through positive encouragement and through the student's growing awareness of personal consequences. The teacher is dependent upon the parent to make certain that the son or daughter keeps up with the course assignments and communicates with the teacher if difficulties arise.

Guide for Independent Study

Parents have the opportunity to supervise the progress of their son or daughter's independent schoolwork and provide any additional guidance they may need before entering college.

Courses offered at this level will mimic that of a college program where independent study and research skills, time management skills, a strong work ethic, and self-discipline are essential.

Course Monitor

Some courses - art, physical education, photography, foreign languages - involve equipment or expertise that require most of the teaching to be done in the classroom, leaving little for the parent at home. This role, therefore, will require the least amount of time by the parent, but its importance cannot be overstated.

The primary responsibility of parents is to track the progress of their students, monitoring how well they are doing.

- Are they becoming discouraged?
- Are they enjoying the class?
- Do they see value in their assignments?
- What are the activities being done each day in class?
- What are they learning?

In short, parents need to show an interest and express this to their children.

- **Kindergarten**

Parent Role: Co-Instructor, Private Tutor

Kindergarten is a wonderful time in a young child's life. It is a transition time for families and is often the first time a child has been away from their parent and in a school setting. The children are learning how to interact with each other. Some of the social skills taught are how to take turns, how to listen when others are talking, how to share, how to use the correct words to communicate and express their needs and wants to others, and how to have empathy for each other and cooperate with others. Children learn in multiple ways, so both teacher-directed and child-initiated activities are employed. Various forms of play are used to teach new concepts. For example, we write our numbers and letters with shaving cream, stack blocks to learn how to build a strong foundation, and use scissors to work on fine motor skills. Playdoh is utilized to stimulate imagination to create different shapes and objects, and to form numbers and letters.

Language Arts:

Students are taught to read by learning the 72 phonogram sounds. They learn how to form and write letters correctly, as well as how to spell and write sentences. The different parts of speech and punctuation marks are introduced. Children read various types of books, including narrative, fantasy, and informative; the authors and illustrators are also discussed.

Math:

In Math, students learn the meaning of numbers and how to write them. Manipulatives are used to help learn how to count objects, count money, tell time, use a calendar, add and subtract, and other concepts.

Science:

Science is a hands-on curriculum. Different experiments are conducted and the class will take walking trips to discover what is in God's world.

Social Studies:

In Social Studies various resources are used, such as poster cards and a corresponding workbook. Topics discussed are community helpers, transportation, the United States, symbols of America, presidents, and different countries and customs. Projects include making a volcano and having a luau.

- **Grade 1**

Parent Role: Co-Instructor, Private Tutor

First grade is a year of transitions. Beginning readers and writers progress greatly in their ability to comprehend and express ideas. Parts of speech are introduced and students learn to identify them in their reading.

Language Arts:

Building reading skills and practicing reading are essential parts of a first grader's learning. Greater reading comprehension skills are gained by gathering information through reading history and science books. Students progress from knowing how to write words to becoming a "writer".

Math:

Students continue to develop addition and subtraction skills, achieving a deeper understanding of the concepts as they practice and gain mastery using math tools and manipulatives.

Science:

First graders learn to observe and ask questions in Science. Besides learning new facts, they use their 5 senses to observe and learn about the world.

Social Studies:

Students study geography, communities, and colonial history from Native Americans to the Plymouth Colony.

- **Grade 2**

Parent Role: Co-Instructor, Private Tutor

Second Grade is a more rigorous learning environment to deepen and expand skills and knowledge. Students apply the things that they have learned and discover the fun in learning new things.

Language Arts:

Writing abilities are continually refined and expanded as they are used across all areas of the curriculum. Students learn to improve their work through revision and edits. Emphasis is placed on learning the parts of speech.

Math:

Students progress from basic addition and subtraction to multiplication.

Science:

In Science second graders continue to learn and enjoy the world around them through hands on experience and research.

Social Studies:

Heritage Studies gives children the opportunity to explore the ways that God has moved in history from Jamestown to America's War for Independence.

- **Grade 3**

Parent Role: Co-Instructor, Private Tutor

Third grade is an exciting time in the learning life of a child. Concrete learners begin to think in more abstract terms, and students often show a great deal of academic growth in this pivotal year. Independence and increased maturity of behavior and thought highlight the third grade year as students transition from the lower to the upper grades. The acquisition of basic skills leads to more application of learning and knowledge while thinking becomes more complex.

Whole group, small group, and individualized instruction are strategies used in the classroom. In addition to traditional methods of instruction, centers, games, puzzles, and learning zones are utilized to capitalize on the interests and strengths of each student.

Math:

Building on a foundation of adding and subtracting two- and three-digit numbers in second grade, students in third grade will begin to grapple with the introduction of more complex mathematical skills such as multiplication, division, problem-solving, estimation, geometry, patterns, probability, money, fractions, and the interpretation of graphs.

Reading:

Using many basic reading skills acquired in second grade, third graders will apply those skills as students move from learning to read to reading to learn. Comprehension, accuracy, fluency, and the acquisition of vocabulary are key areas of focus. Students spend a great deal of time thinking and talking about reading.

Classroom instruction focuses on skills required for reading. The list includes, but is not limited to, the following: main idea, compare and contrast, context clues, cause and effect, inferences, author's purpose, point of view, characters, figurative language, synonyms, antonyms, homonyms, etc. Students will explore fiction and non-fiction, as well as poetry, fables, and drama. Students will be taught to identify the story elements of setting, plot, characters, and author's purpose.

Developing independence in reading and increasing stamina are emphasized. Students move from reading short books to reading chapter books, often for the first time. Several novels will be read, discussed, and analyzed throughout the year.

Writing:

Students will begin to put the pieces of writing together to create paragraphs, journal entries, stories, and essays (opinion, narrative, informative). Additional strategies will be taught for spelling patterns, identifying parts of speech, and classifying sentences. More emphasis will be placed on the writing process: pre-writing, writing, revising, and editing.

Science:

Students will participate in numerous scientific experiments employing the scientific

method. Developing hypotheses, making observations, and critical thinking will be emphasized. Specifically, students will investigate plants, soil, forces and electricity, heat and temperature, natural resources, weather, and structures.

Social Studies:

Students will study the three branches of government, democracy, primary and secondary sources, natural and man-made resources, trade, maps and geography, interpreting diagrams and charts, and American History from the New World through the Civil War. To complement the studies, several projects and reports will accompany traditional methods of instruction and learning.

- **Grade 4**

Parent Role: Co-Instructor, Private Tutor, Guide for Dependent Study

Fourth grade is an exciting time in the student's life, although it may be hard for the parent. It is a big year of transition. The students are not lower elementary or upper elementary, but are in the middle. They are changing physically, spiritually and mentally. The students are learning how to get organized, how to keep up with their belongings, how to write their assignments, and how to study. They are also learning how to work independently, accept responsibility, and to improve their listening skills. Fourth graders are expected to do their best work every day, not rushing through their work for the sake of finishing it.

Reading:

During the school year the students will read and report on three classical novels. They will be reading for details, understanding and comprehending what they read, and learning new vocabulary words and using them correctly in sentences.

Language Arts:

The students learn how to edit, write, and classify sentences using correct grammar, different parts of speech, and punctuation. Cursive writing is also initiated.

Math:

In Math, the students will be learning how to do mental math (without the use of a calculator or paper). They will also be learning basic math facts. They will take timed tests of 90-100 problems and complete them in 5 minutes or less. Fourth grade math also consists of geometry, addition, subtraction, multiplication, division, logic, fractions and capacity.

Science:

Physical, life and earth sciences are taught in fourth grade through various activities, experiments, and reading materials.

Social Studies:

Social Studies covers a variety of topics, including inventions, presidents, states, capitals, government, famous people and Kansas history.

● **Grade 5**

Parent Role: Co-Instructor, Private Tutor, Guide for Dependent Study

Development in fifth grade includes growth in application of a God Centered perspective in all actions, recognition of discipleship, and growth in character and ethical framework. A growth mindset, learning through inquiry and research, project management, self-discipline, and integration of the Word with the content of the various subject areas are encouraged. Respect, kindness, inclusion, and teamwork are key aims.

Writing:

The writing curriculum focuses on the writing process along with parts of speech and grammar. Students write daily and learn to improve their writing with elaboration, sentence variety, word choice, voice, and conventions. Various writing purposes are explored, including poetry, mysteries, descriptive writing, poetry, research papers, and essays (informational, opinion, persuasive). Each student revises, edits, and publishes a collection of his/her writings and illustrations.

Reading:

Reading consists of strategies and skills that improve student comprehension, literary analysis, and reading fluency. Throughout the school year, students implement these skills while reading short stories, novels, and self-selected books. These skills and stories help instill the love of reading.

Math:

Math allows students to build on their basic math skills while pushing them towards higher order and critical thinking. Units such as multiplying and dividing decimals, graphing data and statistics, working algebraic expressions, and finding the perimeter, area, and volume of different shapes supplement daily skills such as place value, addition, subtraction, multiplication, and division. Throughout the school year, fifth grade students become more in tune with their number sense and mathematical confidence.

Science:

In science class, students are engaged in learning and immersed in hands-on science labs and activities. Eight major units of study are covered in fifth grade science class. These units include: Scientific Investigations (study/use of the scientific method), Endocrine and Reproductive systems, Nutrition, Cells, Agriculture and Forestry, Motion and Forces (laws of motion and kinetic/potential energy, simple and complex machines), Chemistry (properties of matter, mixtures, and reactions), and Solar System. Each student also prepares a science fair project.

Social Studies:

The major focus is the study of history and how it relates to the United States. Students learn and apply geography skills through weekly geography lessons, a country investigation project, and a comprehensive study of the United States (regions, capitals, landmarks, climate, demographics, landforms). Students study each decade, 1900 – present. Students listen to/read historical fiction novels in conjunction with informational text reading.

- **Grade 6**

Parent Role: Co-Instructor, Private Tutor, Guide for Dependent Study

Sixth grade is a transitional year for students as they come to the close of their elementary school experience and prepare for the Junior High and High School years.

Language Arts:

This is a course designed to meet the sixth grade language arts standards. The focus of this course is Grammar, Reading (both narrative and expository text), the writing process, mechanics, and spelling. Oral presentations are also a required part of this course by sharing book reports and writing assignments.

Math:

This course is designed to build knowledge of the foundational math skills students need for both everyday life and higher-level math. Units cover adding, subtracting, multiplying, and dividing whole numbers, fractions and decimals. Equations, plane-figure geometry, measurement, ratios, statistics, probability, integers, and pre-algebraic concepts are also covered.

History:

This is a course designed to tour the lands, peoples, and cultures of ancient civilizations in Africa, Asia, Europe, and the Americas. Students will learn the history and influences of these peoples on religion and the world today. Students will expand their Christian worldview as they compare ancient beliefs and religions with Christianity. Critical thinking skills are enriched through the use of maps, charts, primary sources, and activities.

Science:

This course is designed so students can explore and experience a variety of areas within the field of science. The following topics are covered in this grade level: immune and nervous systems, diversity of life, energy, electricity, matter, weather, and flight. This is accomplished through the use of reading, research, observation, discussion, participation in individual and group projects, and utilization of the scientific research process and experiments.

**Secondary (Grades 7 - 12)
Course Descriptions**

World Views

● Starting Points

Grades 8 - 9

Parent Role: Guide for Dependent Study

Author David Quine of "The Cornerstone Curriculum Project" describes Starting Points as a "world view primer". Although designed for those who are just beginning the study of Western Civilization, Starting Points provides a challenging course of study. The course begins by defining and building a basic Christian worldview. This foundation becomes the basis for examining and evaluating the belief systems of various authors. Students are then taught how to engage the culture in which we live through an intensive study of Christian apologetics, and lastly they will undertake a study of "The Socio-Cultural Backdrop for the Founding of the United States."

● World Views I

Grades 9 - 10

Parent Role: Guide for Dependent Study

World Views I includes a contrasting study of the Judeo-Christian and Greco-Roman world views. The biblical portion includes an in-depth look into the Books of Genesis, Job, Romans, and the Gospels along with selected works of C.S. Lewis, Francis Schaeffer and James Sire. The Greco-Roman world view is examined as expressed in the epic works of the ancient poets such as Homer and Virgil and, of course, through the minds of Socrates, Plato, and Aristotle. The works of Christian thinkers such as Thomas Aquinas and Augustine compose the latter portion of the course. World Views I is a very fast-paced and intensive study requiring a high level of commitment to the course.

● World Views II

Grades 10 – 11

Parent Role: Guide to Independent Study

World Views II analyzes the shifts and changes in Western culture and thought beginning with the Italian Renaissance and working through the Communist Revolution. The shift and differences in philosophy, culture, style, purpose, convention, etc. between the Renaissance and Reformation are examined in first semester and the implications of those shifts are discussed through the writings of Dante, Calvin, Luther, Edwards, and the works of the Renaissance artists. Second semester focuses on the writings of the Post-Reformation writers and the Revolutionaries with a focus on the differences between English/American and French/Russian Revolutions as they reacted to the shift in philosophy and thought of Post Reformation Europe in areas such as Government, Economics, Ethics, Art, and Morality. Machiavelli, Hobbs, Locke, Jefferson, Rutherford, Rousseau, Marx, and Orwell are contrasted and discussed in understanding the implications of these events and shifts in culture and world view.

● World Views III

Grades 11 – 12

Parent Role: Guide to Independent Study

World Views III focuses on solidifying the individual student's Christian worldview by answering stands on God, Universe, Man, Morality/Ethics, Evil/Suffering, Death, and History while analyzing the seven basic modern world views and their origins beginning with the Enlightenment through both Eastern and Western 20th-Century thought. Nineteenth and Twentieth Century literature and media are used to help define and understand modern day shifts in literature, religion, philosophy, science, government, economics, and theology as well as how to address or open a dialogue with these various world views. The goal is to have a solid understanding of how to communicate the truth in love to our contemporary world.

Language Arts

● English Grade 7

Parent Role: Guide for Dependent Study

This comprehensive language arts course is for the junior high student to hone writing skills, grammar rules and literary analysis. An introduction to the analysis of reading is provided using short stories, poetry, and novels. Students will begin to pay special attention to plot development, characterization, and theme analysis. Critical reading skills will be introduced by familiarizing students with the 5 elements of literary voice. Practical writing assignments incorporate the 6 Trait writing method. Spelling and vocabulary lessons are taken from the literature.

● English and Grammar Grade 8

NOTE: This is a required course for any student planning to take any high school English course through Christ Prep.

Parent Role: Course Monitor

This course will focus primarily on grammar rules, using the Shurley Grammar level 7 textbook. At the conclusion of this study, all students should be proficient in grammar skills to adequately prepare them for secondary level English. Practical writing assignments incorporate the 6 Trait writing method culminating with a research paper. Classic Latin/Greek vocabulary lessons will also be included throughout the year. In addition, students will be introduced to Shakespeare by reading, analyzing, and staging a performance of *A Midsummer Night's Dream*.

● High School Grammar

NOTE: This is a required course for all students planning to take a high school English 9 class or above, who have not yet passed the Christ Prep Grammar Proficiency Exam.

Grades 9 – 12

Parent Role: Guide to Independent Study

This course will focus primarily on grammar rules and usage, as well as writing skills in preparation for secondary level English classes. Practical writing assignments will incorporate the 6 Trait writing method.

● English 9

Parent Role: Guide for Dependent Study

This course is tailored to the freshman high school student and provides a comprehensive English curriculum that incorporates writing skills, grammar review, literary analysis, and vocabulary development. This class provides general review of grammar on an as needed basis. A continuation of in-depth analysis of literature is provided using classic short stories and full-length novels. Students will learn to analyze literature for character development, theme development and writing style. Students will also learn to discuss a novel as a class, providing unique analysis supported by textual references. Vocabulary lessons are taken from the literature. In addition to literature a semester writing project will be completed incorporating various types of writing including an ancestry research project. Various writing assignments throughout the year will focus on the four types of writing (expository, persuasive, technical and narrative) using the 6 Trait writing method.

● American Literature & Composition

Grade 10

Prerequisites: Students entering this class should be proficient in their writing skills, comfortable with research, and able to interpret higher level reading assignments.

Parent Role: Project Assistant

This course is a study of American Literature, vocabulary, and writing. The literature study is a chronological look at American authors and their works as it is reflected through the history of our country. Grammar focuses on each

literary time period and its application in the literature. Writing is based on the genre studied. Students will follow examples in the literature and write an expository essay, persuasive essay, personal opinion essay, research paper, gothic short story, college application essay, and a lyric poem. Two American plays are studied, as well as, novels read outside of class. The novels and plays will be vehicles for expository writing analyzing an aspect of the selection of literature. The vocabulary study, focusing on academic words, is comprehensive and works toward usage and word recognition; mastery of all the words is expected by the end of the year. The curriculum in American Literature is equivalent to a Junior English class.

● **British Literature & Composition**

Grade 11

Parent Role: Guide to Independent Study

British Literature will focus on significant works from each of the major time periods in British Literature: Anglo-Saxon, Medieval, Shakespeare, Romantic, Victorian, and 20th Century. Grammar and writing assignments will come from the literature and will include literary analysis, as well as creative writing endeavors. Significant time will be spent in the first two months of the course working on the college application essay. A major research paper will be the focused writing assignment second semester. Vocabulary will be developed by studying the root words and words associated with them. The vocabulary study, focusing on academic words, is comprehensive and works toward usage and word recognition; mastery of all the words is expected by the end of the year.

● **The Life and Works of C.S. Lewis**

Grades 11-12

Parent Role: Guide to Independent Study

C.S. Lewis was one of the most influential and beloved Christian authors of the 20th century, leaving a legacy of literary criticism, fiction, poetry, apologetics, and correspondence. His *Chronicles of Narnia* are immensely popular reading and have spawned movies and plays, and his *Mere Christianity* is one of the great apologetic works of our age but easy to read. This course will immerse upper level students to the life and words of C.S. Lewis. Students will be expected to engage in critical and literary analysis of his writing, as well as, engage with the biblical concepts presented. Reading list includes: *Surprised by Joy*, *The Screwtape Letters*, *Miracles*, and *A Grief Observed*. This is a heavy reading class and will require evidence of serious interaction with the texts.

● **English Composition I (Dual Credit)**

Grades 11-12

Parent Role: Guide to Independent Study

Believing that communicating your written ideas involves the action of writing, this course will seek to require the student to organize their knowledge (new AND old), and require them to learn different ways to convey that knowledge. Ultimately as Christians one must learn how to communicate the truth lovingly and writing should effectively contribute to this goal. This will be accomplished through reading assignments, annotating the text, writing assignments based on texts or prompts, and finally major writing assignments which will include drafts and edits of the student's work, specifically in a 5-paragraph essay, college essay, narrative essay, and persuasive essay. The learning outcomes include but are not limited to the following:

- Think critically, write articulately, read discerningly, and communicate well.
- Understand the importance of purposeful writing—becoming invested in each writing project.
- Value revision as an integral component of the writing process.
- See the importance of considering multiple approaches to organization and development.
- Understand what a paragraph is and how to write an effective and coherent one.

● **English Composition II (Dual Credit)**

Grades 11-12

Parent Role: Guide to Independent Study

Believing that communicating your written ideas involves the action of writing, this course will seek to require the student to organize their knowledge (new AND old), and requires them to learn different ways to convey that knowledge. Ultimately as Christians one must learn how to communicate the truth lovingly and writing should effectively contribute to this goal. This will be accomplished through reading assignments, annotating the text, writing assignments based on texts or prompts, and finally major writing assignments which will include drafts and edits of the

student's work, specifically in a compare/contrast essay, process, division/classification, definition, and especially focus on the research paper. The learning outcomes include but are not limited to the following:

- Think critically, write articulately, read discerningly, and communicate well.
- Understand the necessity of supporting generalizations with specific evidence.
- Value revision as an integral component of the writing process.
- See the importance of considering multiple approaches to organization and development.
- Learn to use technology to empower yourself as a writer.

● **Speech (Dual Credit)**

Grades 11-12

Parent Role: Guide for Independent study

This course is a study of the major types of speeches, including a variety of practical experiences ranging from impromptu to formal. Course work will involve a series of projects in which students will use critical thinking and listening skills in order to be effective speakers. These activities will be designed to develop the student's ability to communicate his/her ideas and to interpret those of others. A significant emphasis is placed on speech preparation for delivery

Mathematics

● Math 7

Parent Role: Guide for Dependent Study

Students will review content previously learned and go deeper as they work with rational and irrational numbers, their operations, and their algebraic representations. Topics include patterns, decimals, measurement, data representation and analysis, probability, fractions, integers, equations, inequalities, ratios and proportions, percent, geometry, measurement, area, volume, and problem-solving. This course builds the foundation for pre-algebra and beyond.

● Pre-Algebra

Grades 7 - 8

Parent Role: Guide for Dependent Study

Pre-algebra is the study of variables, expressions, integers, solving equations and inequalities, factors, fractions, exponents, rational numbers and equations, ratios, proportions, probability, percent, linear functions, polynomials, and real numbers. Elements of geometry are introduced and extended: right triangles, perimeter, area and volume of polygons, circles, and geometric solids.

● Algebra I

Grades 8 – 9

Parent Role: Guide for Dependent Study

Algebra 1 is the study of variables, properties of real numbers, linear equations and inequalities, rules of exponents and exponential functions, quadratic equations and functions, polynomials, factoring, rational expressions and equations, and radical expressions and equations. Real world problem solving is integrated as skills are developed.

● Geometry

Grades 9 - 10

Prerequisite: Algebra I

Parent Role: Guide for Dependent Study

This course is an informal approach to Geometry. Topics will include lines, polygons, area, volume, circles, similarity, congruence, and coordinate geometry. Upon successful completion of this course the student should be able to: classify geometric figures in two and three dimensions; find the perimeter and area of two-dimensional geometric figures; find the surface area and volume of three-dimensional figures; apply theoretical results to applications; verify the congruence of geometric figures; verify the similarity of geometric figures; construct geometric figures with compass and straightedge; use coordinate equations to describe lines and circles.

● Algebra II

Grades 10 - 11

Prerequisite: Algebra I; Completion of Geometry recommended

Parent Role: Guide to Independent Study

Course coverage includes real numbers and problem solving; equations in inequalities; relations, functions and graphs, systems of equations and problem solving, polynomials and polynomial equations, rational expressions and equations; powers, roots, and complex numbers; quadratic equations; quadratic functions and transformation; equations of second degree, polynomial functions; exponential and logarithmic functions, and an introduction to sequences and series.

● College Algebra (Dual Credit)

Grades 11 - 12

Parent Role: Guide to Independent Study

This course focuses on the study of functions and their graphs, techniques of solving equations, and the recognition and creation of patterns. Upon successful completion of this course the student should be able to: analyze functions and their graphs; sketch the graphs of functions, including constant, linear, absolute value, square root, polynomial, rational, exponential, and logarithmic equations; solve polynomial, exponential, and logarithmic equations; solve systems of linear and non-linear equations and systems of linear and non-linear inequalities; create mathematical models to solve application problems; analyze numeric and algebraic patterns, and generate numeric and algebraic patterns.

● College Trigonometry (Dual Credit)

Grades 11-12

Parent Role: Guide to Independent Study

This course includes the following topics: the study of the types of angles measured in degrees and radians; trigonometric functions of any angle; the sine, cosine, tangent functions as well as cosecant, secant and cotangent functions along with their graphs. Inverse trigonometric functions and their domains will be used to solve applications of trigonometry. Trigonometric identities will include sum, difference, double angle, half angle, and cofunction. Students will become proficient in techniques of solving trigonometric equations. The law of sines and cosines will be used to solve triangles.

● Calculus (Dual Credit)

Grade 12

Parent Role: Guide for Independent Study

This course is an informal approach to calculus. Topics will include concepts of measuring the slope of a curve, finding maximum and minimum points, rates of change, and measuring the area under a curve. The five techniques of integration and differentiation will also be covered. Upon successful completion of this course the student should be able to: evaluate limits of functions using graphs, tables and algebraic methods; demonstrate the use of limits to determine continuity of a function at a point; determine differentiability of a function at a point using limits and graphs; demonstrate the use of the limit definition to find the derivative; differentiate algebraic, exponential and logarithmic functions; produce equations of tangent lines; demonstrate the use of derivatives to describe the behavior of a function; anti-differentiate algebraic and exponential functions; apply the Fundamental Theorem of Calculus to find the area under a curve and between two curves.

● Statistics

Grade 11-12

Parent Role: Guide for Independent Study

This course is designed to go beyond a study of commonly-used statistics (mean, mode, range), which is often found in the various math classes. The topics to be studied will include the following: statistical and critical thinking; collecting sample data; frequency distributions, histograms, and distortion of graphs; measures of central tendency (mean, median, mode) and measures of variation (range, standard deviation, variance); basic probability; probability distributions and binomial distribution; standard normal distribution and the central limit theorem; estimates of a population proportion; population mean and standard deviation; hypothesis testing, and testing claims about a proportion or mean correlation and regression. The emphasis is on developing an understanding of the topics. Hence,

there will be an emphasis on being able to read and interpret various tables (e.g., standard normal distribution, t-values, chi-square distribution and correlation coefficient), and an emphasis on understanding the meaning of the various statistical terms. However, no statistical software programs will be required.

Social Studies

● World Studies

Grade 7

Parent Role: Guide for Dependent Study

A study of the foundations of modern civilizations that builds a necessary framework for understanding the past, the present, and the future. Beginning with a brief overview of ancient history and continuing through the twentieth century, this course also includes looks at African and East Asian Civilizations. Lessons present a historical, geographic, and thematic survey.

● American Studies

Grade 8

Parent Role: Guide for Dependent Study

Students will unfold the history of the United States through richly detailed narrative and engaging presentation. Starting with the discovery of the New World, students will trace the path of American history up to the present day, demonstrating the distinctiveness of American values and government, and emphasizing the importance of understanding and appreciating United States history. There is an additional focus on some of the key events, changes, and trends of the 20th century to life through eyewitness accounts, historical narratives, and compelling photos, affording opportunities for students to analyze and discuss how an author's perspective and beliefs affect what is written.

● Geography

Grade 9

Parent Role: Guide for Dependent Study

Cultural Geography provides a survey of geographic principles through a regional approach. Students will "travel" from continent to continent around the world studying the geography, cultures, land forms, climates, resources, economy, religions, and government of each region of the globe. This new edition is filled with photographs, charts, maps, and first-person accounts that make this "virtual world tour" an exciting and stimulating exploration of world geography and culture.

● World History

Grade 9

Parent Role: Guide for Dependent Study

World history is a study of the world and ancient civilizations from its beginning to 1700. This course will view and evaluate many different cultures and countries from the ancient times to the time of the Reformation and Age of Exploration. Students will complete a research project based on the Era of Exploration. A Biblical focus will be stressed, as God's Word is the only true filter through which we must evaluate our history and prepare for our future.

● Economics

Grade 12

Parent Role: Guide to Independent Study

This one-semester economics course is intended to give students a working knowledge of basic economic principles, both to assist them in comprehending economic issues and current events and to prepare them for what may lie ahead. The class will deal with the "nuts and bolts" of economics. Biblical economic and financial philosophies are woven into the fabric of each chapter. Students will learn to identify, and in some cases apply, basic economic concepts pertinent to one's household, a business enterprise, financial markets and government. This course stresses free market ideals and Christian economic values and principles.

● Government

Grade 12

Parent Role: Guide to Independent Study

By the end of this course, student should be able to: 1) Explain why government is necessary and discuss the Bible's teaching concerning a Christian's relationship to government. 2) Discuss the impact of biblical values in early American society, education, and government. 3) Identify the basic differences between the major forms of government. 4) Distinguish between a republic and a democracy. 5) Discuss the historical circumstances surrounding the creation of the Constitution and the ratification process as well as the significance of the Constitution as a unifying document. 6) Explain how the Constitution has helped to preserve core values in the United States, restrain man's sinful nature, and limit government. 7) Discuss the development and organization of the political party system. 8) Give a brief explanation of the structure and powers of the three branches of government. 9) Analyze how one determines the role of government in our culture.

● US History (Dual Credit)

Grade 11

Parent Role: Guide to Independent Study

This course is a study of American history from its discovery to the present with an emphasis on the underlying causes and issues behind historical events. Students will identify and examine America's role in world affairs from its inception to the modern day concurrently. Students will be asked to re-evaluate their current knowledge and biases regarding America's history and its political, religious, social and cultural development in light of God's Word. In addition, students pursuing the dual credit option will relate past to present through each phase of US History by understanding and explaining how our national roots have created our contemporary culture.

● Psychology (Dual Credit)

Grades 11-12

Parent Role: Guide for Independent Study

This course will provide an introduction to the science of psychology. It will examine central theories and application of psychological principles on topics such as research methods, behavior, learning, development, emotions, personality, abnormal psychology and therapy. Students will learn to apply psychological concepts to everyday life experiences and examine principles and theory through a Biblical worldview.

Science

● Life Science

Grade 7

Parent Role: Guide for Dependent Study

Students will learn about various topics and concepts in life science from a Christian Worldview. These topics include foundations of life science, heredity and the origin of life, concepts in microbiology and plant biology, concepts in the animal kingdom, nature of the environment, and structure and function of the human body. We will seek God's wisdom to apply biblical principles to those topics and concepts. Students will gain courage to do what is right in the light of their knowledge of life science and the wisdom provided by God. This course provides rich content and a variety of hands-on learning opportunities.

● Space and Earth Science

Grades 7 – 8

Parent Role: Guide for Dependent Study

Earth science is meant to show students how God's hand is working in the world around them. The course is designed to enrich their knowledge of creation, affirm their faith in the creator, and empower them to be good stewards of creation. Students will study the following topics; geology, earthquakes, volcanoes, water, meteorology,

● Physical Science

Grades 8 – 9

Prerequisites: Concurrent enrollment in Algebra 1

Parent Role: Guide for Dependent Study

Physical science deals with the basics of chemistry and physics. One semester will be focused on the study of chemistry and one on physics. The goal is to give students a good baseline and introduction to help them succeed in the upper level science courses. It is an introduction to mathematics in science. Topics such as methods of measurement, the fundamentals of matter, periodic table, bonding of atoms, motion, forces, magnetism, electricity, sound and light will be studied.

● Biology

Grades 9 – 10

Parent Role: Guide for Dependent Study

Biology is the study of living things. This class will allow students to study living things from a Christian perspective. The class will be taught from a Christian Worldview and Evolution will be carefully inspected in this course. The goal is to give information such that the student will be able to confidently and respectfully engage in this debate in a way that gives God all the glory. Students will also observe, read, use a microscope, and dissect to learn about the wonderful world God has created. Main concepts include botany, human anatomy and physiology, ecology, zoology, and cellular and molecular biology.

● Chemistry and Chemistry Lab

Grades 10 - 11

Prerequisite: Proficient completion of Algebra

Parent Role: Guide for Independent Study

This is a basic chemistry course which presents foundational ideas behind atomic structure, bonding, stoichiometry, nomenclature, molecular geometry, acids and bases, solutions, gas laws, and thermochemistry. The instructor will also stress applications, identify marvels of design in creation, and promote the development of organized problem

solving. The lab meets one additional hour per week, and is required concurrently with the chemistry course in order for the student to receive a well-rounded high school chemistry experience. Students will utilize much of the standard lab equipment and employ proper safety techniques as they explore chemistry concepts in both descriptive and quantitative ways.

● **Advanced Chemistry**

Grades 11 - 12

Prerequisite: One year of high school Chemistry. Parent Role: Guide for Independent Study

This class is designed to be the second high school chemistry course that a student takes. When added to that first-year course, this course "fills in the gaps," giving the student the equivalent to the introductory course in college chemistry. Greater depth is added to the material from the first course, and content broadens into areas of dynamic chemical equilibrium, oxidation and reduction, nuclear chemistry, and organic chemistry.

● **Anatomy & Physiology**

Grades 11 – 12

Prerequisites: Biology and Chemistry

Parent Role: Guide for Independent Study

This Anatomy and Physiology course is a systematic discussion and laboratory based study of the fearfully and wonderfully made human body, including the structure and function of the 11 major organ systems (Integumentary, Skeletal, Muscle, Nervous, Endocrine, Circulatory, Lymphatic, Digestive, Respiratory, Urinary, and Reproductive).

● **Physics**

Grades 11 – 12

Pre/Co-requisite: Algebra II

Parent Role: Guide to Independent study

This course will cover areas of applied physics, including mechanics, waves, fluids, electricity, sound and light. Emphasis will be placed on concepts and application to real-life problems. This course includes an integrated laboratory component which is a necessary part of the total instructional package. Upon successful completion of this course the student should be able to: 1. Apply the scientific method to modeling physical problems that occur in nature. 2. Discuss the general concepts of motion encountered in physics, including force and the role it plays in the motion of objects. 3. Understand the basic principle of gravity as it relates to motion. 4. Apply the concepts of work and energy as they relate to physics problems. 6. Illustrate the properties of electricity and its applications. 7. Describe the components and characteristics of wave motion as they relate to periodic motion, sound and light.

Foreign Language

● Latin I

Parent Role: Guide for Dependent Study

In the first year students have an introduction to Latin grammar. The primary objective of grammar instruction is to enable the student to read Latin literature, but Latin grammar forms the basis for the grammar of every European language, so students also receive an introduction to the grammar of the Castilian, the Hochdeutsch, the Français and every other modern European language. Vocabulary words are carefully chosen so that whenever students study Latin vocabulary, they are also building their knowledge of literary English. In the fall semester this is combined with cultural and historical discoveries made at Pompeii and Herculaneum, the two Roman towns which were frozen in time on August 24th, 79 A.D. by a volcanic eruption of Mount Vesuvius. In the spring semester, grammar and vocabulary instruction continues in the context of Alexandria, Egypt and its combination of Roman government with Greek science and Near-Eastern religion.

● Latin II

Parent Role: Guide to Independent Study

In the second year, students finish their introduction to Latin grammar and vocabulary, but the focus changes. Whereas grammar instruction in the first year was focused on morphology or word-forms, grammar instruction is now focused on syntax or the way the word-forms fit together. In the fall the context is Roman Britain and the objective is to give students a thorough grounding in our own Roman roots as English speakers. Students practice reading inscriptions and discuss such topics as hypocausts (Roman central heating systems) and the organization of the Roman legion. In the spring the context changes to the city of Rome in the era of the soldier-Emperors, Vespasian, Titus and Domitian. Discussion focuses on key elements of Roman culture and history and also on the conflict between Rome and Israel in the years 66-73 A.D.

● French I

Parent Role: Guide to Independent Study

French 1 offers a basic understanding of the French language and of the culture and geography of the French-speaking world. Speaking, listening comprehension, reading and writing, and basic conversation are introduced at this level. Students learn to discuss simple everyday topics such as greetings, family, school, numbers, telling time, sports and clothing.

● French II

Parent Role: Guide to Independent Study

This course is a continuation of the instruction of the French language. This class provides a basic focus on vocabulary, grammar, and culture of France and the French language with the intention of increasing knowledge of all these areas acquired in Level 1. Additional emphasis will be on oral skills and use of the target language.

● Jr. High Language Survey

Grades 7 - 8

Parent Role: Course Monitor

Jr. High Language Survey is made up of 12 weeks instruction in French, 12 weeks instruction in Spanish, and 12 weeks instruction in Latin, taught by our three respective language teachers. Students will learn useful vocabulary like common phrases, introductions, days of the week, months of the year, seasons and calendars, colors, clothing, foods, family, sports, animals, entertainment, foods, school activities, and rooms in the house. Basic grammar will be introduced but at a lower level than high school courses.

● Spanish I

Parent Role: Guide for Dependent Study

Spanish I is a proficiency-based language program in which the major goal is to enable students to become capable of basic communication in Spanish. This course includes commonly used expressions, asking useful questions, reading simple texts like menus, etc., and writing to reinforce speaking proficiency. Cultural concepts are introduced to see the differences and similarities within the many Spanish-speaking countries.

● Spanish II

Prerequisite: Spanish 1 or test for placement if student has not previously taken Avancemos curriculum

Parent Role: Guide to Independent Study

Beginning with an introduction to review the major elements of Spanish I, this course includes advanced vocabulary and additional verb tenses for travel, study-abroad, or communication with Spanish speakers. This course includes a strong reading and writing element as well as oral communication.

Bible Education

- **Bible Survey**

Grades 9 - 12

Parent Role: Guide for Independent Study

This course will cover the major stories of the Old and New Testament, connecting them to the greatest event in human history: the life, death, and resurrection of Jesus. This course will tie together some of the greatest stories in the OT such as Creation, the Fall, Abraham, the Exodus, the Conquest of Canaan, and the rising reign of King David to the fulfillment of prophecy and the accomplishment of God's plan of redemption found in Jesus Christ. The NT stories evolve around Jesus' identity as the Son of God and how His death and resurrection accomplishes humanity's salvation. Then, after His resurrection, this course will see how Jesus' earliest followers impacted their world for God's kingdom.

- **Christian Living**

Grades 9 - 12

Parent Role: Guide for Independent Study

This course will center on students identifying principles in Scripture on discovering God's will for their lives and how to make the greatest impact for God's kingdom where they live both now and for their future. During the first half of the semester, they will look at practical ways to grow our faith through spiritual disciplines or exercises. In these exercises the student will demonstrate an understanding on how to grow closer to God so that he/she may fulfill God's purpose for their lives. During the second half of the semester, they will be introduced to seven realities that God has established for understanding how He works in our lives as seen in the Exodus and Jesus.

- **The Life and Works of C.S. Lewis**

Grades 11-12

Parent Role: Guide for Independent Study

C.S. Lewis was one of the most influential and beloved Christian authors of the 20th century, leaving a legacy of literary criticism, fiction, poetry, apologetics, and correspondence. His *Chronicles of Narnia* are immensely popular reading and have spawned movies and plays, and his *Mere Christianity* is one of the great apologetic works of our age but easy to read. This course will immerse upper level students to the life and words of C.S. Lewis. Students will be expected to engage in critical and literary analysis of his writing, as well as, engage with the biblical concepts presented. Reading list includes: *Surprised by Joy*, *The Screwtape Letters*, *Miracles*, and *A Grief Observed*. This is a heavy reading class and will require evidence of serious interaction with the texts.

Technology

● Computer Applications

Grades 8-12

Parent Role: Project Assistant

This course will begin with an introduction/review of basic keyboarding skills. After students have honed these necessary competences, the course will introduce basic, and gradually more advanced, application features of Microsoft Office 2016, including Outlook, Word Processor, PowerPoint and Excel as well as the corresponding Google programs. These applications will be learned individually, but will incorporate integrated projects along the way. Critical thinking as well as problem solving will be the foundation of the class. The course is self-paced and project-driven with very few, if any, tests.

● Computer Graphics

Grades 9-12

Parent Role: Course Monitor

This course will give students an introduction to the world of graphic design. Using Adobe Photoshop, students will learn to use design to tell (and sell) stories. Students will workshop through a variety of projects with both business and fine art applications, including company logos, fine art posters, book covers, photo-morph illustrations, business cards, etc. Students will end the year by creating real, functional designs that can be used by real clients in the industry utilizing computer graphics.

Fine Arts

● Art Studio

Grades 9 - 12

Parent Role: Course Monitor

This course will give students the opportunity to sharpen their artistic skills while introducing them to new mediums and techniques. Always covering the basics (proportion, perspective, scale, composition, shading, etc.) the student will learn to draw, paint, and sculpt both from what they see and what they can imagine. Since this class tends to attract students with a wide range of experience and ability, each project can be adjusted to better fit the needs of the student. The projects will rotate over the course of several years, so for older students retaking the class, there will remain the opportunity for variety and increasing levels of challenge.

● Yearbook

Grades 9-12

Prerequisite: Student must have teacher's permission before enrolling in this class

Parent Role: Guide to Independent study

The yearbook staff will produce the school yearbook from concept to a finished product and will plan layouts, stories, photography and theme. This class will teach journalism writing and interviewing, graphic design for publications, basic photography. Teamwork, responsibility, and deadline awareness will be emphasized. When the final proofs have been returned, we will review the year and plan for next year's coverage.

Electives

● Horizons

Grades 7-8

Parent Role: Guide for Dependent Study

This class will focus on building a safe, caring community while learning about character qualities, attitudes, and skills that will help students thrive in middle school and beyond. Each week a key skill/attitude related to succeeding in and out of school will be discussed as a whole class and in small groups. Competitive and/or cooperative games will be played once a week to develop thinking skills, social skills, character, and community—and to have fun. A weekly Bible verse or passage will be discussed with the goal of growing in our affection for God and His Word as well as applying it to our lives.

● Reader's Theater

Grades: 7-8

Parent Role: Project Assistant

Readers Theater is a dramatic presentation of a written work in a script form. In this semester-long course, students will read from a "script" which is divided among the participants. Scripts are held by the readers, so lines need not be memorized. The focus is on reading the text with expressive voices and gestures, thus developing their fluency skills and making comprehending the text meaningful and fun for the student! Readers theater promotes fluency, confidence, listening skills, basic understanding of theater, and interaction with peers.

● Worship Band and Choir / Worship Team

Parent Role: Project Assistant

Students who already have a baseline skill in singing or playing instruments (mainly keyboard, guitar, bass or drums) will work together to prepare music for chapels and other events at Christ Prep throughout the school year.

● College & Career Preparation

Grades 11-12

Parent Role: Course Monitor

In this semester-long course, students will explore cognitive strategies, skills, and techniques that can be keys to future educational and career readiness. The course will include practical components which include career aptitude assessment, goal-setting, college testing and application strategies (including scholarship and other financial aid guidance), ownership of learning, and self-advocacy in the context of walking with Christ. We anticipate that multiple staff members will collaborate to teach this course. The mission of Christ Prep Academy includes the phrase "...to prepare college-ready witnesses for Christ..." In this course, we aim to spend focused time with our juniors and/or seniors to strengthen readiness of the whole person for the next step.

Business

- **Personal Finance**

Grades 11-12

Parent Role: Project Assistant

Dave Ramsey's mantra, "Live like no one else so that later you can live like no one else" will be explored during this semester-long course. Foundations in Personal Finance: High School Edition will have the power to change the financial future of Christ Prep students and set them on a path to win with money. It will also alter the way students look at money forever. Students will be empowered and equipped while building confidence in their own financial decision-making. Such topics as "how to live a 'no-debt' life" and "how to retire with dignity" will be emphasized throughout the semester.