



2008-2009
COURSE CATALOG
Mt. Nebo Campus

MISSION STATEMENT

Purpose/Mission

Eden Christian Academy is committed to providing an exceptional educational experience by engaging the mind and heart of each student to think and act with Christ-like character.

Our Core Commitments

As we fulfill our purpose and deliver our educational mission, we are unreservedly committed to:

- ***Christ-centeredness.*** We recognize the Lord's sovereignty over every aspect of life. Therefore, we continuously seek His guidance and submit to His leadership as we pursue our mission, glorifying Him in all that we do. (Matthew 28:18; Colossians 3:17)
- ***The Authority of God's Word.*** We believe the Holy Bible to be the Spirit-inspired source of all Truth and the lens through which we are to observe and relate to the world in which we live. Therefore, the Scriptures guide and shape our thinking and practices as we provide a biblically based education for each student in the development of a Christian worldview. (John 17:17; 2 Timothy 3:16)
- ***Excellence.*** We believe that God is the creator and author of all that is good, beautiful, and wise. Therefore, at ECA, excellence is not simply a word; it is a commitment for which we continuously strive. Mediocrity in any endeavor is simply unacceptable. (1 Corinthians 10:31; Colossians 3:23)
- ***Partnership with Parents.*** We recognize the God-given responsibility of each parent to raise their children in the nurture and admonition of the Lord. Therefore, we are dedicated to being a resource for families, encouraging and facilitating the engagement of parents in the education of their children, and supporting the values espoused in the home and church. (Proverbs 22:6; Ephesians 6:4)
- ***Education of the Whole Student.*** We believe that students are more than minds to fill and education is more than knowledge to dispense. Christian education recognizes the unique dimensions of each student as a life to shape and a spirit to nurture. Therefore, we are committed to providing a thorough and rigorous educational experience that touches each area of a student's life, including:
 - ***Spiritual Transformation.*** We are committed to a desire for each student to come to a saving faith in Christ and to foster a continuously maturing relationship with Him, His Church and the Scriptures, leading to a life of personal holiness, theological clarity and selfless service. (2 Corinthians 5:17; Philippians 2:12-13)
 - ***Intellectual Development.*** We are committed to helping each student acquire the skills essential to critical thinking, discernment, problem solving and effective application of core truths to challenging life situations. (2 Corinthians 10:5; James 1:5)
 - ***Life Preparation.*** We are committed to helping each student acquire the understanding and insight necessary for success in pursuing God's calling in college, vocation, family and community life. (Jeremiah 29:11; 1 Samuel 1:27-28)
 - ***Cultural Engagement.*** We are committed to developing in each student the capacity, wisdom and willingness to engage and critique popular culture and the arts from a sound biblical foundation. (Genesis 1:28; Romans 12:2)
 - ***Personal Relationships.*** We are committed to helping our students build and sustain strong relationships with people from all walks of life, while learning to fully and joyfully participate in the dynamics of community and church life. (John 13:34; 2 Corinthians 6:14)
 - ***Physical Vigor.*** We are committed to helping students develop life-long habits of regular exercise, healthy diet and team building, with an appreciation for athletics and recreation. (1 Corinthians 6:19; 1 Corinthians 9:24)

PHILOSOPHY OF EDUCATION

The educational philosophy of Eden Christian Academy is based on a God-centered view of truth and man, as revealed in the Bible. Man is a product of the creative power of God. Therefore, God is at the center of the Christian view of life.

The following outline summarizes the steps to the development of the educational philosophy of Eden Christian Academy which naturally begins with God:

1. **God stands at the center of the Christian's view of the world.** We believe that God is an eternal, personal Being of absolute knowledge, power and goodness. He is ultimate Reality, the source of all reality and truth. He exists in three persons: God, the Father; God, the Son; and God, the Holy Spirit. (All truth is ascribed to the Trinity. God, the Father is the source of truth; God, the Son is the manifestation of truth; and God, the Spirit is the interpreter of truth.)
2. **The highest level of self-revelation was through His Son Jesus.**
 - a. Self-revelation also comes through the Bible, God's Word, written by men inspired by the Holy Spirit.
 - b. God's revelation also comes through nature. Non-rational creation (all levels below man) has as its purpose to reveal the attributes of God. Rational creation (man) has as its purpose to glorify God and to do His will.
 - c. The Holy Spirit, present in each Christian, reveals God and guides each believer into all truth.
3. **A Christian Philosophy of Life.** Since God created and sustains all things through His Son, Jesus Christ, the universe and all life are related to God and have the purpose of revealing and glorifying Him. This is particularly true of man who was made in God's image, different from all other creation, with the unique capacity to know and respond to God personally and voluntarily. Because man is a sinner by nature, he cannot, in this condition, know or honor God in his life. He can do this only by being born again through receiving Jesus Christ as Savior and Lord, and thus be enabled to do God's will.
4. **A Christian Philosophy of Education.** The process of education is seen as a means used by the Holy Spirit to **bring the student into fellowship with God, to develop a Christian mind** in Him, to help the student be sensitive to direct revelation by the Spirit of God to his spirit, and to **train him in Godly living** so that he will be able to fulfill God's total purpose for his life, personally and vocationally.
 - a. All aspects of the educative process—objective, content, methods, principles and administration—are derived from the fact that God is central in the universe and the Source of all truth.
 - b. The mandate for Christian education comes from God's command that children are to be taught to love God and give Him pre-eminence in their lives and that parents are responsible for the total education and training of their children. The Christian school, along with the parents, is a partner in giving this education.

Upper School Curriculum

The Upper School’s multi-faceted curriculum is designed to help students grow in every area of life – spiritually, academically, physically, socially and emotionally. An individualized approach helps each student reach his/her God-given potential. The curriculum is taught from a Biblical perspective and promotes a “positive peer culture” that allows students to learn the truth. Establishing a Christian worldview based on solid Biblical perspectives, combined with rigorous academics, competitive athletics and a dynamic performing arts program, prepares students to be future leaders in our community, nation and the world.

Course Registration

- Course registration forms are due into the main office by the designated deadline for that school year.
- **NO COURSE MAY BE DROPPED AFTER MID-TERM REPORTS IN THE FIRST QUARTER.**
- At the start of the school year, there will be a three (3) week period in which students may decide to withdraw from choir and/or band. After the three (3) week period, students must remain in the class for the duration of the year.
- Students are required to take a minimum of 6 credits per year.
- If a student receives a 73% or lower in a math course, they must repeat the course.
- All pre-requisites listed on the current year’s course registration sheet will be followed.
- All schedules are subject to change per teacher recommendation.

Graduation Requirements		
Subject Area	Additional Information	Credits
English		4
Math		4
Science		3
Social Studies		4
Biblical Studies		4
Physical Education	0.5 credit per year	2
Health		0.5
Foreign Language	taken in 9 th - 12 th grade	2 (of the same language)
Electives	0.5 credit of SAT Prep and 0.5 credit of Public Speaking is required	3.5
Senior Project (see below for more information)	incorporated in 12 th grade bible	
Total:		27

HIGH HONOR ROLL REQUIREMENTS

The average score of all the classes in a quarter must be greater than or equal to 94%.
The lowest individual class grade must be greater than or equal to 74%.

HONOR ROLL REQUIREMENTS

The average score of all the classes in a quarter must be greater than or equal to 85%.
The lowest individual class grade must be greater than or equal to 74%.

SENIOR PROJECT

Objective: Design and implement a project that highlights your Eden Christian Academy/ high school experience and provides a practical leadership experience for the glory of god and the furtherance of his kingdom.

Expectations:

- Design a project where you are the principle leader.
- The project should be a service related project that benefits or enhances the quality of services or creates new services for others such as the elderly, economically disadvantaged, at risk youth, the school, or your church.
- Provide a detailed outline of your project prior to implementation.
- Write a 2500 word reflection paper according to the prescribed guidelines.
- Keep a log of hours spent on the project.
- Keep a journal of all activities related to the project.
- Present paper and project through power point presentation.
- Select and read a book pertaining to the subject of leadership.
- Submit material promptly.
- Complete the project as a requirement for graduation.

Senior project mentor: Mr. Aiken

Timeline - All dates relate to the 2008-2009 school year and will be adjusted for future years.

October 24	brainstorming meeting
November 7	brainstorming meeting
November 14	submit project idea for approval
December 5	progress meeting
January 9	progress meeting
February 6	progress meeting
February 27	progress meeting
March 12	progress meeting
April 2	progress meeting
April 16	rough draft complete
May 7	project due
May 15 (approximately)	present project

Reflection Paper Requirements:

- 2500 words
- Typed, double spaced, times new roman, font size 12

Reflection Paper Prompts - General Information:

- List subject areas that you researched in the selection of your project.
- Explain the process of choosing your project. How did Scripture, personal prayer, and Godly counsel influence your choice?
- Briefly describe the need that your project addresses.
- How do you expect to achieve community outreach?
- Who will benefit from your project? Be specific!
- Briefly outline the scope and sequence of your project. List a tentative monthly timeline of your project.
- Who is involved in your project?
- What resources are necessary to complete your project?
- Describe the leadership role that you have taken with your project, and explain the major responsibilities.
- Write a reflective summary for each of the skills that you have demonstrated throughout the project.
- Describe any problems you experienced and how you addressed them and overcame them.

FINAL SUMMARY

- IN NARRATIVE FORM, WHAT HAVE YOU LEARNED ABOUT LEADERSHIP AND SERVICE FROM THIS PROJECT?

Community Service Requirements

Community service hours are reported on the student's official transcript.

Grade Level	Service Hours
7	15
8	15
9	20
10	30
11	30
12	40

Time Frame: Any approved acts of service from June –May will be eligible for the current academic school year.

Academic Impact: A student's community service hour requirement is a component within their overall Bible grade.

Reporting: Students record their community service hours on the *Community Service Hours Worksheet* and return it to the Chaplain no later than May 31 of the current academic school year. Extra forms can be found in the school office.

Course Selection Grade Level Quick Reference

(Course offerings are subject to change based on student enrollment and need)

7th Grade

Pre-Algebra
World Cultures
English 07
Grammar 07
Life Science
Bible 07
Spanish 07
Art 07
Microsoft Applications I
Physical Education
Middle School Health
Band
Choir

9th Grade

CP Algebra I
CP Algebra Part 2
CP Geometry
CP Physical Science
CP Biology
CP World History
CP English 09
CP World Cultures
Bible 09
Spanish I
Spanish II
CP Oral Communications
Art 09
CP Introduction to Computer Programming
Physical Education
Band
Choir
Praise Team

8th Grade

Algebra I
Algebra Part 1
American History
English 08
Grammar 08
Earth Science
Bible 08
Spanish 08
CP Spanish 1
Art 08
Microsoft Applications II
Physical Education
Band
Choir

10th Grade

CP Geometry
CP Algebra II
CP English 10
CP Biology
CP Chemistry
CP U.S. History
CP Spanish II
CP Spanish III
Bible 10
Art 10
CP Oral communications
CP Introduction to Computer Programming
CP Programming II
Physical Education
Band
Choir
Praise Team

11th Grade

CP Chemistry
CP Physics
CP Biology II
CP Chemistry II
CP English 11
CP Economics/Political Science
CP Psychology
CP Algebra II
CP Trig./ Pre-Calculus
CP Spanish III
CP Spanish IV
Fiber Arts
Photography
Advanced Microsoft Applications
Bible 12 (including Senior Project)
CP Computer Programming II
AP Computer Science A
SAT Preparation
Bible 11
Physical Education
Health
Band
Choir
Praise Team

12th Grade

CP Physics
CP Biology II
CP Chemistry II
Anatomy & Physiology
Honors Calculus
CP Consumer Math
CP English 12
CP Economics/ Political Science
CP Psychology
CP Spanish IV
SAT Preparation
Bible 12 (including Senior Project)
Fiber Arts
Photography
Advanced Microsoft Applications
AP Computer Science
Physical Education
Band
Choir
Praise Team

Course Offerings by Subject

LANGUAGE ARTS

English (7th grade)

7th grade English develops important interpretive skills in reading and comprehension, including building vocabulary, understanding and following directions, inferring and drawing conclusions. In this course, students will learn to read different genres of literature through the lens of a Christian worldview, understanding truths about God, his world, and his people.

Grammar (7th grade)

7th grade grammar is designed to improve the student's writing skills through a comprehensive review of all pertinent aspects of English grammar. In this course, students will understand the parts and functions of the language God has given us in order to communicate effectively in his world.

English (8th grade)

8th grade English develops important interpretive skills in reading and comprehension, including building vocabulary, comparing and contrasting texts, inferring and drawing conclusions, and analyzing important literary techniques. In this course, students will learn to read different genres of literature through the lens of a Christian worldview, understanding truths about God, his world, and his people.

Grammar (8th grade)

8th grade grammar is designed to improve students' writing skills through a comprehensive review of all pertinent aspects of English grammar, and an introduction to basic writing genres. In this course students will understand the parts and functions of the language God has given us in order to communicate effectively in his world.

CP 9th Grade English (1 credit, full year course)

This course is designed to aid students in exploring a variety of genres of literature. Numerous short stories and poems will be read and studied throughout the year as we seek to explore the main theme of the year – Man's Inhumanity to Man. The novels or classical works that will be read and studied include *The Odyssey* by Homer (coupled with a unit on Greek mythology), *Animal Farm* by George Orwell, *Romeo and Juliet* by Shakespeare, *The Count of Monte Cristo* by Alexander Dumas, and *All Quiet on the Western Front* by Erich Remarque. The students will also complete a writing portfolio during the *Romeo and Juliet* unit. Special focus will be placed on learning the terms and definitions of literary devices used in all the literature studied and vocabulary exercises will be done weekly.

CP 10th Grade English (1 credit, full year course)

10th Grade English encompasses the following areas of study, including literary selections from cultures around the world written by representative authors from these cultures. We will explore various themes and genres to gain insights into the lives of people from around the globe. The course also refines student mastery of writing and language, research, oral and visual communication. Participants will produce a research paper on a teacher-approved topic, as well as build skills in development of narrative, expository, and persuasive writing. Students will apply advanced writing and reading skills as they read more challenging texts, such as Shakespeare's **Julius Caesar**, and other selected classics. An integrated approach to the study of grammar and vocabulary will also be a major part of the course.

CP 11th Grade American Literature (1 credit, full year course)

This course begins with the development of literature in the American colonies, literature which came to be regarded as purely American in style and values. The course will continue to take the students on a journey throughout American history and the changes in American philosophies and values that have developed in the past several centuries. The most famous of American authors and their works will be studied. Authors such as Nathaniel Hawthorne, Herman Melville, Ralph Waldo Emerson, Henry David Thoreau, Stephen Crane, Mark Twain, and John Steinbeck are just a few of the revered writers whose works have withstood the test of time and who will be included in this course. The two classic works that the students will more thoroughly focus on are *The Scarlet Letter* by Nathaniel Hawthorne and *A Raisin in the Sun* by Lorraine Hansberry. Several types of compositions will be assigned and writing styles and techniques will be reviewed. The study of literary devices and vocabulary exercises will also continue throughout the year.

CP 12th Grade English (1 credit, full year course)

12th Grade English focuses on a broad range of skills and experiences designed to prepare students for entry into post-secondary studies. Specifically, participants will be deeply involved in refining and building upon writing and critical reading skills learned at earlier levels. The narrative, expository, and persuasive essay will be developed more fully, with emphasis on clear, forceful writing generated from careful attention to various stages of the writing process. The literary component of the course will trace the development of British literature from its earliest beginnings to the present. Beginning with the Anglo-Saxon Period, through the Renaissance and into the Victorian Period, students will examine the scholarly writings of masters of each era, concluding with a glimpse at the modern world through the eyes of contemporary writers addressing present-day issues. Students will also write a research paper on a teacher-approved topic and a course in British literature would not be complete without experiencing one of Shakespeare's great masterpieces, **The Tragedy of Macbeth**. As with other course offerings in our language arts program, this course will approach the study of grammar and vocabulary as an integrated part of our overall curriculum.

SAT Preparation (0.5 elective credit, Grades 11 and 12, semester course)

Literary portion -This course will provide students with improved study skills, analytical and interpretive abilities, and concise but coherent writing capabilities. The categories that fall under the literary portion of the test are grammar, sentence completion requiring a great knowledge of vocabulary, reading comprehension, paragraph/sentence revision, and writing. The directions to complete each section will be reviewed and memorized in an attempt to aid the student in quickly beginning each section's work. Test-taking helps and hints will be provided, and the students will have numerous opportunities to work through sample exercises individually and as a class. Essay writing will also be a primary focus of this course, not only to aid the students in their ability to think quickly and clearly on the test's essay, but also to help the students as they prepare to write their college entrance essays.

Math portion - The course is designed to provide the student with information and strategies designed to maximize performance on the SAT Test. The course provides general and strategic information relative to the following: test format, approaches to use for answering different types of questions, and guidance on selecting answers when solutions are not known. The course materials also provide a review of the four categories of mathematics problems which include numbers and operations, algebra and functions, geometry and measurements and data analysis, statistics and probability. The course materials also include a number of practical tests to be completed over the semester to further familiarize and instruct the student.

Oral Communications 1 (0.5 credit, semester course)

The primary focus of this course is to familiarize students with all of the prerequisites of public speaking and to provide the opportunity to apply the knowledge they have gained by presenting several speeches to their classmates. The topics covered will include but not be limited to: how to overcome fear of public speaking, how to plan a speech and compose a simple outline of the speech, how to vary vocal tone and speech rate, how to use pauses and humor effectively, how to improve clarity of diction, and how to make the speech applicable and interesting to the target audience.

CP Public Speaking (0.5 credit, semester course)

This course will provide students with an opportunity to build confidence in their public speaking ability, as well as their ability to think on their feet and communicate effectively. Since excellent communication skills are a key ingredient to success in today's marketplace and most colleges and universities require a public speaking course as part of their core curriculum, this course will prepare students for the future. Emphasis will be placed on developing a speech from outline to presentation, different types of speeches, effective speaking skills, and impromptu speaking activities.

SOCIAL STUDIES

World Cultures (Grade 7)

This course is a study of the events of world history beginning with the latter years of the Middle Ages. The course provides an overview of the elements that comprise world studies: culture, geography, and history. The study continues by looking at the revival of towns, trade, and learning. This leads our focus to historically and spiritually impactful periods such as the Renaissance and the Reformation. Time will be devoted to the resulting Age of Exploration and subsequent development of the New World. French and English history, the Middle and Far East, colonial Africa, the rise of socialism and totalitarianism in Europe, the world wars, and many other locations and events leading up to present day will comprise the remainder of the course.

American History (Grade 8)

The American Republic is a survey of the major people and events of U.S. history. The course begins with a study of the early years of our nation, including the discovery of the New World, colonization, the independence movement, and attempts to establish a government. A look at technological advancements, the nation's expansion across the continent, and the challenges of the civil war and reconstruction will follow. We will examine America as it surges forward as a major industrial power and as it seeks to cure society's ills through the social reforms of the Progressive Era. America will be seen as taking the lead in the world through their accomplishments in the world wars. We will discuss the impact of both the roaring twenties and the stock market crash on today's society. The course will conclude with a look at America as it sought to adapt to the changing world environment due to the rise of strong political party platforms, self-serving totalitarian dictators, and rising terrorist threats. Students are introduced to current events in this course.

CP World History (1.0 credit, Grade 9, full year course)

World History covers the entirety of recorded human history from Ancient Mesopotamia to WWII in one year. The content focuses primarily on the development of Western civilization, with significant time spent surveying major Asiatic and African cultures. The student will be required to demonstrate competence in the areas of research and thesis development, as well as discuss historical issues that have contemporary significance.

CP U.S. History (1.0 credit, Grade 10, full year course)

U.S. History is a detailed study of the people, ideals, and events that have shaped the history of America. The course begins with a focus on the numerous founding fathers that were truly God-fearing men who had the wisdom to found a country with God first. The course begins with a brief look at the Age of Exploration and the discovery of the New World. This is followed by an in-depth study of early colonial times which lays the groundwork for the student's understanding of the Christian heritage that was carefully constructed for them to enjoy. We further delve into the reasons why British subjects living in North America broke away from their mother country to establish themselves as a free nation. The class further analyzes and evaluates the first attempts of this fledgling nation to govern itself, first, through the crafting of the Articles of Confederation and, eventually, the United States Constitution. The class learns of the achievements of the 18th and 19th centuries including the ideal of "Manifest Destiny" becoming a reality for the people of America as well as the divisiveness that spread during this period leading to the American Civil War. Our study will include a look at the many wars and conflicts in which America was involved in during the 20th century including World Wars I and II, the Korean War, the Vietnam War, the Cold War, and the Gulf War. A focus on current events and the upcoming election has also been incorporated into the curriculum this year.

CP Economics/Political Science (1.0 credit, Grade 11 and 12, full year course)

This course is designed for juniors and seniors covering both the organization and functions of the economy as well as an introduction to political science. Political science covers the concept of government, focusing primarily on the conception and structure of the American government. The student will be required to analyze American policies as well as keep pace with current events in the world. Economics will cover the development of the political philosophy behind capitalism as well as the various laws and principles that guide a free economy. In addition, students will discuss the basic ideas behind sound personal finance.

CP Psychology (1.0 credit, Grades 11 and 12, full year course)

This course is a general survey of the content areas of psychology. This course introduces the student to the critical examination of behavior in human. The relationships among psychology, sociology, and anthropology will be examined, and issues arising from the course content will be studied with the purpose of formulating a Christian perspective. Topics considered include the nature of psychology, biological foundations of behavior, the cognitive process, personality and individuality, and social psychology

MATHEMATICS

Pre-Algebra (grade 7)

The course will allow students will extend their elementary skills and begin to learn algebra concepts that serve as a transition into formal Algebra and Geometry. Students will learn to think flexibly about relationships among fractions, decimals, and percents. Students will learn to recognize and generate equivalent expressions and solve single-variable equations and inequalities. Students will investigate and explore mathematical ideas and develop multiple strategies for analyzing complex situations. Students will analyze situations verbally, numerically, graphically, and symbolically. Students will apply mathematical skills and make meaningful connections to life's experiences.

CP Algebra I (1 credit, grade 8 or 9, full year course)

This course will provide traditional math instruction while allowing the students to communicate and explore content in ways that illuminate the transitions between concrete and abstract thinking. Students will analyze situations verbally, numerically, graphically, and symbolically, as they apply mathematical skills and make meaningful connections to life's experiences.

Pre-requisite: Completion of Pre-Algebra

Algebra 1 -Part 1 (1 credit, for HS students only, full year course)

This course is designed to introduce students to various math concepts which will enhance their ability to successfully complete higher algebra levels, as well as geometry. Emphasis will be placed on establishing mathematical foundations in the following areas: number patterns and sequences, geometry connections, operations on algebraic expressions, solving equations and inequalities, systems of equations and inequalities, statistics and an introduction to functions.

Algebra 1 -Part 2 (1 credit, Grades 9-10, full year course)

This course is designed to build upon the concepts introduced in Algebra 1 (Part 1) for the purpose of solving a broad range of mathematical problems including real world applications. Topics covered in this course include functions, equations, inequalities, linear functions and systems, probability, transformations, exponents, polynomials, factoring, quadratic functions, radicals, geometry, and radical functions.

Prerequisite: Algebra 1 (Part 1)

CP Geometry (1 credit, Grade 9, 10, or 11, full year course)

This course should be taken after Algebra I or Algebra I part II. Since topics of Geometry make up one third of the math questions on the College Board test, students planning to take the SAT should complete Geometry by the end of their junior year. Particular emphasis is placed on using formulas and thinking geometrically (inductive/deductive reasoning) to solve many everyday problems. Major units include congruent triangles, perpendiculars, parallels, angles, parallelograms, trapezoids, circles, congruence, similarity, angle measurement, areas of plane figures, surface area, volume, constructions and methods of proofs.

Prerequisite: Algebra I (9th grade must have an 85% or higher in CP Algebra I)

CP Algebra II (1 credit, Grade 9-12, full year course)

This course should be taken after Geometry. This course is designed for college-bound students needing a basis for work in higher math and to prepare for the SATs. Major units include: properties of the real number system, polynomials and factoring, functions and relations, solutions of equations and inequalities, irrational numbers, solutions of quadratic equations, complex numbers and elementary analytic geometry. Emphasis is placed on problem solving. Algebra II is a prerequisite for Trigonometry/Pre-Calculus.

Prerequisite: 9th grade: 85% % or higher in CP Geometry

10th grade: 74% or higher in CP Geometry

CP Pre-Calculus/ Trigonometry (1 credit, Grades 10-12, full year course)

This course is comprised of two fundamental sections including a comprehensive review of trigonometry including trigonometric ratios and graphing, solving trigonometric functions utilizing both algebraic and graphic solutions, review of trigonometric identities, complex numbers, proofs, and trigonometric applications. The other major focus expands upon the students' algebra background to include linear models, graphs of functions including quadratic functions, inverse functions, polynomial functions, and exponentials.

Prerequisite: 74% or higher in CP Algebra II

Honors Calculus (1 credit, Grade 11 or 12, full year course)

This course is for students who have demonstrated mastery of material in algebra, geometry, trigonometry, analytical geometry and elementary functions (equivalent of four years of high school mathematics). This is a rigorous, demanding, fast-paced course. Major units of work include equations of lines, functions (polynomial, rational, radical, trigonometric, exponential and logarithmic), limits and continuity, derivatives, applications of derivatives, the anti-derivative, the definite integral and its applications, and methods of integration. This course makes considerable use of the graphing calculator and it is recommended that the student have a TI-83 Plus or similar calculator.

Prerequisite: 74% or higher in CP Trigonometry/Pre-Calculus

Consumer Math (1 credit, Grades 11 and 12 only, full year course)

This course is designed to provide the student with the needed skills both to manage a household and evaluate the costs and benefits of acquiring various goods and services. This course is reinforced with the premise we are stewards of what God has provided and that our management of these resources, according to His direction, as set forth in the Bible and otherwise, is our responsibility as Christians. Specific topics which are explored at length include basic math operations review, measurements in the Customary and Metric systems, income tax, personal banking, borrowing money, transportation and household expenses and budgeting, health and life insurance, clothing expenses and recreational expenses.

SCIENCE

Life Science (Grade 7)

Life Science is a survey course designed to introduce students to God's world of living things. The five kingdoms of living things are explored in detail. Topics of study include the life processes of living things, the relationship between organisms and their environment, the ways in which God reveals Himself in His Creation, and our responsibilities as stewards of the Earth.

Earth Science (Grade 8)

This course will focus on geology, oceanography, volcanology, meteorology, astronomy and environmental science. Through lecture, class discussion and hands on activities students will become more familiar with the earth God created and how all parts of creation are unified. Students will understand the importance of good stewardship by exploring environmental issues and implementing problem solving techniques.

CP Physical Science (1 credit, Grade 9-10, full year course)

Physical Science is an introductory level course designed to familiarize students with the basics of chemistry and physics. Topics in chemistry covered during the 1st semester include: the states of matter, the structure of atoms, the periodic table, and chemical reactions. Topics in physics covered during 2nd semester include: motion, forces, work and energy, heat/temperature, and electricity.

CP Biology I (1 credit, Grade 9 or 10, full year course)

Biology I is a laboratory survey course which introduces students to the chemical and cellular level of life. The study of biology can enhance a Christian's worship of God by revealing His creativity in the smallest details of the life processes of living things. Topics of study include: the scientific worldview, the Christian roots of science, the scientific method, the life processes of cells, introduction to genetics, and the details of evolution (both science and philosophy), and a Christian response.

CP Biology II (1 credit, Grade 11 or 12)

Biology II is an advanced course for students who have a strong interest in the study of Biology. It continues the study of life introduced in Biology I by focusing on the five kingdoms of living things. Students explore the details of cellular biology, plant and animal physiology, advanced genetics, and microbiology.

Prerequisite: 83% or higher in CP Biology 1

CP Chemistry I (1 credit, Grade 10 or 11, full year course)

This course explores atoms and molecules, the building blocks of what we see around us, and how they react with each other. Because God's creation displays mathematical patterns, math is used as a tool to understand how atoms and molecules behave. Emphasis will be placed on problem solving. Topics covered will include: laboratory safety, measurements, calculations, matter & energy, chemical foundations, nomenclature, chemical equations, chemical reactions, chemical bonding, and modern atomic theory.

Prerequisite: completion of Algebra I

CP Chemistry II (1 credit, Grade 11 or 12, full year course)

This course is designed for students who wish to pursue a career in the science or medical field and who desire to be prepared for required science courses in college. Students will spend ample time in and out of class developing formal laboratory reports and deciphering complex chemical reactions. Emphasis will be placed on the following topics: mass stoichiometry, solutions, acids and bases, equilibrium, gases, thermodynamics, intermolecular forces, oxidation/reduction and kinetics.

Prerequisite: 83% or higher in CP Chemistry.

Physics (1 credit, grade 11 or 12)

Physics is the most mathematical of the sciences taught at the high school level. It is an advanced course for students planning to pursue a career in science or math. Topics of study during the first semester include a strong emphasis on mechanics: vector analysis, forces, motion and friction, work and energy, momentum, rotational motion, equilibrium and dynamics. Second semester topics include: heat, thermodynamics, sound, light, and selected topics in magnetism and electricity. Time is also spent examining the current naturalistic worldview, and a Christian response.

Prerequisite: 83% or better in Algebra II

CP Anatomy and Physiology (1 credit, grades 11 & 12, full year course)

This course studies human body structures and functions from cells to the systems of the body. God's wonderful creation is an amazing combination of parts which work together like nothing on earth. Topics covered will be the language of anatomy, cells: the building blocks, tissues, and the 11 systems of the body.

Prerequisite: Chemistry I and Biology I

FOREIGN LANGUAGE

07 SPANISH

This introductory course will focus on the various aspects of the Spanish language. Students will spend time developing their Spanish speaking, reading, and writing skills. Because all things are created by God, emphasis will be placed on the fact that the Spanish language is a gift from God and that it is important to understand such a language so as to pass along the Good News to non-English speakers. Vocabulary and grammar are the main focus throughout the course. Students will begin to build a base knowledge of common Spanish vocabulary and basic Spanish grammar.

08 SPANISH

This course focuses on the various aspects of the Spanish language. Students will spend time developing their Spanish speaking, reading, and writing skills. Because all things are created by God, emphasis will be placed on the fact that the Spanish language is a gift from God and that it is important to understand such a language so as to pass along the Good News to non-English speakers. Vocabulary and grammar are the main focus throughout the course. Students will expand on their base knowledge of common Spanish vocabulary and basic Spanish grammar.

CP Spanish I (1 credit, Grades 8, 9, 10, or 11, full year course)

This introductory course to the Spanish language will use cultural study, oral communication, written communication, and reading comprehension to help students grasp the basic grammatical and cultural components of Spanish. Students will be able to communicate at a basic level with peers and understand a basic level of spoken Spanish. Incoming 8th graders must meet grade requirements and placement exam scores in order to take CP Spanish I.

Prerequisite: none (except for incoming 8th graders as noted above)

CP Spanish II (1 credit, Grades 9, 10, 11, or 12, full year course)

This intermediate level course will use various communication tools including text, audio/visual media, conversational Spanish, cultural study, oral communication, written communication, and reading comprehension to further student understanding of the Spanish language and culture. Students will be able to communicate at a basic- intermediate level with peers and teachers and understand a higher level of spoken Spanish. Expect stronger focus on difficult grammatical concepts, higher- order conversational topics, and increased vocabulary spectrum.

**Prerequisite: 9th Grade: 93% or higher in Spanish I
10th and 11th Grade: 72% or higher in Spanish I**

CP Spanish III (1 credit, Grades 10, 11, or 12, full year course)

This more advanced level course explores some of the most advanced grammatical and conversational issues in the Spanish language, as well as includes in depth study of the Hispanic culture using the target language. Students will master key grammatical concepts while applying them with constant Spanish-speaking and written communication. Students must be self-motivated to excel in the language and participate at a higher level. Expect stronger focus on mastering advanced grammar concepts, use of media and current events, as well as biblical application all in the target language. Outside resources and texts will be used frequently. Students must have their own Spanish-English dictionary.

**Prerequisite: 10th and 11th grade: 83% or higher in Spanish II
12th grade: 74% or higher in Spanish II**

CP Spanish IV (1 credit, Grades 11 or 12, full year course)

This advanced level course reviews and then incorporates all grammatical issues in the Spanish language, as well as includes in depth study of the Hispanic culture using the target language. Students will demonstrate their developing mastery of the language with daily Spanish conversation. Lessons are conducted in the target language solely, and students are evaluated heavily on participation in the target language. Expect stronger focus on mastering technical grammar concepts, accent, and understanding of the cultural, history, and literary works of the language. Outside resources and texts will be used frequently. Students must have their own Spanish-English dictionary.

Prerequisite: 85% or higher in Spanish III

BIBLE

Bible 7 (The Life of Christ)

This course is designed to provide a comprehensive study of the life of Christ. Students will explore Jesus' life through an in-depth study of the gospels of Matthew, Mark, Luke, and John. Emphasis will be on the application of Jesus' teachings in students' lives. Topics covered will include: background information about the gospel writers, Jesus' relationship with the disciples, the deity of Christ, and Jesus' death and resurrection.

Bible 8 (Acts)

This course is designed to teach principles of Christian living from the example of the early church as recorded in Acts. Emphasis will be on the application of the example set by the apostles for students. Topics covered will include: the start of the Church, the conversion of Saul, the spread of the Gospel throughout the known world, and challenges of the early Church.

Bible 9 (1 credit, New Testament Survey)

This course is designed to give students an overview of each of the 27 books in the New Testament. Emphasis will be on the application of New Testament truths in students' lives. Topics covered will include: the kingdom of God, salvation through Christ alone, grace versus works, and future judgment and reward.

Bible 10 (1 credit, Old Testament Survey)

This course is designed to give students an overview of each of the 39 books in the Old Testament. Emphasis will be on the application of Old Testament truths in students' lives. Topics covered will include: the thread of Christ throughout the Old Testament, the implications of being created in God's image, the consequences of sin, and the qualities of godly character and leadership.

Bible 11 (1 credit, Apologetics)

This course is designed to provide Christian high school students with tools and resources to defend the truth as it is revealed in the Word of God. Emphasis will be in putting these tools and resources into practice in everyday life. Topics covered will include: the source of truth, the reliability of the Bible, the authenticity of the Bible, and the authority of the Bible.

Bible 12 (1 credit, World View)

Bible 12 consists of a comprehensive study of a biblical worldview. Students will be provided the opportunity to fully understand and evaluate what they believe as Christians, why they believe it and how it relates to the world in which they live. The students will compare their worldview of Christianity to competing worldviews including Islam, Secular Humanism, Marxism, Cosmic Humanism, and Post Modernism. These competing worldviews shall be studied by evaluating their theology, philosophy, ethics, history and psychology. Student progress will be evaluated through course readings and discussion, essays, homework assignments, quizzes, and tests. This course meets 4 days per week for 45 minutes.

COMPUTERS/TECHNOLOGY

Microsoft Applications I (grade 7)

Microsoft Applications I is a one semester requirement designed to teach Microsoft Office 2007. Students will learn the features of Microsoft Word and PowerPoint and explore their creativity as they integrate these features into a single product.

Microsoft Applications II (grade 8)

Microsoft Applications II is a one semester requirement designed to teach Microsoft Office 2007. Students will learn the features of Microsoft Excel and Publisher and explore their creativity as they integrate these features into a single product.

CP Introduction to Programming (1 credit, Grade 9, 10, 11, or 12)

This course explores the history of computers, the basic parts of a computer, and how computers work. It introduces the concepts of program design, input, and output. Students learn basic programming structures such as conditionals for decisions, loops, arrays, strings, and graphics. They also will learn about objects and classes. Students will develop, write, edit, debug, and run programs in BASIC and in Java to solve real world problems.

Prerequisite: 83% or higher in Algebra I

CP Programming II (1 credit, Grade 10, 11, or 12)

This course explores programming languages used in web pages and includes learning HTML, JavaScript, and Java. This course covers user interfaces, applets, and creating multimedia programs. Students will develop their own web pages and learn how to make them more interactive.

Prerequisite: completion of CP Introduction to Programming I

AP Computer Science A (1 credit, Grade 10, 11, or 12)

This course is a college-level course that explores Java as a programming language. Students learn how to design and implement computer-based solutions to problems in a variety of application areas. Students learn to use common algorithms and data structures, and they learn how to select appropriate algorithms to solve problems. By the end of the course, students will know how to code fluently in the Java language and how to read and understand large programs consisting of several classes and interacting objects. Prerequisite: completion of CP Introduction to Programming I and teacher recommendation

CP Advanced Microsoft Applications (0.5 credit, Grade 9, 10, 11, or 12)

This course covers Microsoft Vista and the Office 2007 products, Word, Excel, Access, PowerPoint, Outlook, and Publisher, at a level that would enable the student to obtain Microsoft certification. Students will learn how to integrate the use of multiple Microsoft products together to solve real world problems.

Prerequisite: completion of CP Introduction to Microsoft Applications

FINE ARTS

Fiber Arts/Crafts (0.5 credit, Grades 11 and 12)

This course offers a variety of craft and fiber mediums such as crochet, leather tooling, printmaking, paper mache sculpture, wood burning, screen printing, jewelry, basket making, found object, and paper marbling. The wide range of crafts is sure to include something that each student will enjoy. The class is structured to allow the opportunity to sample various mediums and also complete an in-depth study of a select few. This is a hands-on class and allows great opportunities for creativity.

Photography/Photoshop (0.5 credit, Grades 11 and 12)

This course requires each participant have a digital camera to use, either point and shoot or an SLR. The class is designed to teach basic skills that can be used regardless of the brand of camera used. Students will have specific projects that they must complete and edit in Photoshop. The class will be structured in three parts. Part one will cover how a camera works and what constitutes a good picture by examining composition, lighting, etc. Part two will be Photoshop specific and part three will reinforce how Photoshop can benefit a photographer.

7th Grade Art

This course is an introduction to a variety of mediums with a strong focus on the elements and principles of design and color theory. Students will learn to apply these elements to their artwork and will learn to use value on every drawing in every medium. Students will learn about measurement and scale and its importance to a good work of art. Effort, neatness, following directions, and creativity are key.

8th Grade Art

This course builds on knowledge of the elements and principles of design and incorporating these into both 2D and 3D works of art. Students learn how to use a grid to break complicated references into more manageable pieces and are introduced to some new mediums and art forms such as mosaics, watercolors, and plaster. The course has a stronger focus on art history and creativity.

9th Grade Art (0.5 credit)

This course uses the foundational elements of principles and design to do a number of in-depth projects allow for the students creativity. New mediums such as charcoal, pen and ink, and acrylic paint will be introduced and an emphasis will be placed on learning about art styles. Students will also have the opportunity to stretch their own canvas.

10th Grade Art (0.5 credit)

Art styles and art history will be explored in more depth in this course. A variety of mediums will be explored, both 2D and 3D, with a strong focus on the elements and principles of design and color theory. Students will learn to apply these elements to their artwork and will learn to use value on every drawing in every medium. Students will also learn about measurement and scale and its importance to a good work of art, art history, and the different styles of art. Effort, neatness, following directions, and creativity are key.

Upper School Band (full year course)

Upper school band is open to all students who play an instrument as well as any student wishing to learn to play an instrument (with approval of the teacher). The class will focus on learning and preparing musical repertoire from a variety of time periods and styles, as well as furthering individual playing skills through technical exercises. Performance opportunities will include school concerts, festivals, and commencement ceremonies. **Attendance at rehearsals and concerts is required for those who elect this course.**

Upper School Choir (full year course)

This course is open to all students. Members learn musical aspects and vocal production through participation in class activities and practice. Performances will include school concerts, festivals, and commencement ceremonies. **Attendance at rehearsals and concerts is required for those who elect this course.**



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