

High School Course Catalog 2009-2010

9-12 Grade English Courses

Accelerated English 9 The purpose of this course is to reinforce the skills learned in previous language arts activities, to develop proper application of those skills and language arts to daily Christian life both for today's world and future preparation. This course provides optimum opportunities for students to become more proficient in listening, speaking, reading, and writing ideas, thoughts, and feelings clearly and correctly. Discussions of these ideas, thoughts and feelings will include, where possible, Christian ethics and social issues from the Christian perspective.

English 9 Ninth grade English is a continuation and development of English 8. This course refines and extends the study of essential communication skills acquired at previous grade levels through writing, vocabulary, and literature. Periodic requirements are given in essay and report writing competency. Expansion of vocabulary and reading skills are stressed in essay, biography, short story, novel, poetry, and drama selections. The purpose is for the students to relate all skills and language arts to daily Christian life both for today's world and for future preparation. A special emphasis will be placed on discussions of ethics and social issues for the Christian perspective when analyzing literary selections and writing essays.

Accelerated English 10 Tenth grade Accelerated English is a one- year English course in writing, vocabulary, and literature. The focus is on World Literature and academic writing. The class provides opportunities for students to improve their higher level thinking skills and to express and write about their thoughts and opinions concerning the literature read and the issues surrounding the literature. Moral and Christian applications are made when discussing themes, evaluating the actions of characters, and putting the literature in the appropriate historical context when the historical setting of the literature corresponds with Biblical history. The tenth grade accelerated curriculum incorporates *Animal Farm* by George Orwell and *A Tale of Two Cities* by Charles Dickens in addition to the novels required in English 10. The students also write an additional essay comparing and contrasting *A Tale of Two Cities* with a novel of their choice.

English 10 Tenth grade English is a one-year course in writing, vocabulary, and literature. The focus is on World Literature and academic writing. The class provides opportunities for students to improve their higher level thinking skills and to express and to write about their thoughts and opinions concerning the literature read and the issues surrounding the literature. Moral and Christian applications are made when discussing themes, evaluating the actions of characters, and putting the literature in the appropriate historical context when the historical setting of the literature corresponds with Biblical history.

Accelerated English 11 Eleventh grade Accelerated English is a continuation and development on English 10. Grammar and usage are reviewed and extended with emphasis on practical application in organized and systematic writing including a multi-genre research paper. Expansion of vocabulary and reading skills with emphasis on American literary contributions are stressed in essay, biography, short story, and novel, poetry, and drama selections. Creative writing is also taught and encouraged especially in poetry and in writing and illustrating a small book. The purpose of this course is to relate all skills and language arts to daily Christian life both for today's world and for the future and to provide the students with an adequate knowledge and performance of English and a basic background in American literature. Literary characters and themes as well as some writing assignments will be approached from the Christian perspective. Discussions based on America's founding values and their gradual digression will involve Biblical principles and modern applications as will discussions of social issues of each historical literary period.

English 11 Eleventh grade English is a continuation and development of English 10. Grammar and usage are reviewed and extended with emphasis on practical application in organized and systematic writing which includes a research paper. Expansion of vocabulary and reading skills with emphasis on American literary contributions are stressed in essay, biography, short story, novel, poetry, and drama selections. The purpose of this course is to relate all skills and language arts to daily Christian life both for today's world and the future and to provide students with an adequate knowledge and performance of English and a basic background in American literature. Discussions of literary characters and themes will be conducted from the Christian perspective whenever possible.

Accelerated English 12 Accelerated Senior English is a one-year course divided into two distinct sections. The first semester is an intense writing workshop. During the workshop students will write a descriptive essay, a factual essay, a narrative essay, a personal essay, a persuasive essay, an essay on a short story, an essay on poetry, and a classification essay. The second semester is a chronological study of British Literature. During this study the student will read and discuss British Literature, examine the history of and the changes in the English language, write their own prologue in conjunction with the *Canterbury Tales*, and complete other writing assignments relevant to the literature. Students will also write a research paper during the third quarter. Advanced students will read the novels: *Dorian Gray* by Oscar Wilde, *Wuthering Heights* by Emily Bronte and *Heart of Darkness* by Joseph Conrad.

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an essay on poetry, and a classification essay. The second semester is a study of British Literature. During this study the students will read and discuss British Literature. Students will also write a research paper during the third quarter

9-12 Mathematics Courses

Foundations of Algebra is a course in basic algebra designed for 9th graders who need extra practice and reinforcement as they are introduced to algebraic principles. The course content covers fewer skills than the traditional algebra curriculum, allowing more time for additional drill. Students study operations with positive and negative real numbers, equation solving skills, graphing linear functions and operations with polynomials. Students begin to recognize how the orderliness of God's universe can be expressed in mathematical terms. Students should complete this course of study ready for the rigors of Algebra I.

Accelerated Algebra I Algebra I emphasizes the use of variables in problem solving of algebraic equations. This course explores multiple techniques for solving equations and inequalities and offers more in- depth coverage of each topic with enhanced applications (word problems) and calculator skills. In addition to linear and absolute value functions, students graph quadratic functions, exponential and square root functions. Additional topics include direct and indirect variation, data analysis, and statistics. God's infinite order and creation is better understood through the knowledge gained in the algebraic concepts taught in this course. Students need a scientific calculator for this course. Students in eighth grade who are planning to take AP Calculus should take this course, as well as any students in other grades who want an accelerated curriculum.

Algebra I emphasizes the use of variables in problem solving of algebraic equations. This course explores multiple techniques for solving equations and inequalities and the application of these techniques in solving various types of word problems. Graphing, elimination, substitution and factoring are some of the techniques used in the solution of equations and inequalities. The purpose of this course is to help students learn to use symbols to represent more abstract ideas in mathematics. God's infinite order and creation is better understood through the knowledge gained in the algebraic concepts taught in this course.

Accelerated Geometry Geometry is a course in Euclidean Geometry that demonstrates the usefulness of geometry in everyday life and also as a mathematical system that can help develop the ability to discover, organize, and reason logically. Special emphasis is put on visualization, spatial reasoning, coordinate geometry and geometric modeling to solve problems. Students can appreciate symmetry in various aspects of nature and repeating patterns such as the elliptical orbits of the planets. In addition, this course offers an introduction to Algebra II. An appreciation of many details of God's plan for the universe and how things work together can be developed through the study of geometry. A scientific calculator is required for this course. Students in 9th grade who are planning to take AP Calculus should take this course as well as students in other grades who want an accelerated curriculum.

Geometry is a course in Euclidean Geometry that demonstrates the usefulness of geometry in everyday life and also as a mathematical system that can help develop the ability to discover, organize and reason logically. In doing so, students use visualization, spatial reasoning, coordinate geometry and geometric modeling to solve problems. Students can appreciate symmetry in various aspects of nature and repeating patterns such as the elliptical orbits of the planets. An appreciation of many of the details of God's plan for the universe and how things work together can be developed through the study of geometry.

Accelerated Algebra II with Trigonometry In Accelerated Algebra II with Trigonometry, students review and further develop skills learned in Algebra I, including simplifying algebraic expressions, solving equations, inequalities, and word problems, and operations with functions and polynomials. Students expand skills with factoring and graph a variety of functions. New topics include radicals, complex numbers, synthetic division, and exponential and logarithmic functions. Extra topics in accelerated Algebra II with Trig include an introduction to the circular function of trigonometry, conic sections, sequences and series and probability and statistics. Students explore how algebraic models describe the majesty and orderliness on God's creation. Graphing calculator skills are introduced in this course. Students who are in 10th grade who are planning on taking AP Calculus should take this course, as well as students in other grades who want an accelerated curriculum.

Algebra II In Algebra II, students review and further develop skills learned in Algebra I, including simplifying algebraic expressions, solving equations, inequalities and word problems, and operations with functions and polynomials. Students expand skills with factoring and graph a variety of functions. New topics include radicals, complex numbers, synthetic division, exponential and logarithmic functions and a study of the conic sections. Students explore how algebraic models describe the majesty and orderliness of God's creation. Graphing calculator skills are introduced in this course.

Algebra III/Statistics This course is designed for students who have completed the Algebra II course and are not ready for the rigors of Precalculus. The first semester covers sequences and series and an introduction to trigonometry. Second semester students focus on probability and statistics. Students see how such a wide variety of mathematical topics relate to God's creation and to real world application.

Accelerated Precalculus Precalculus is a combination of advanced algebra and trigonometry, with emphasis on graphing. As the title suggests, this course lays the foundation for the study of calculus in high school or college. The student will solve problems graphically, numerically, and algebraically and translate from one model to another. Topics include the library of functions, and function operations, exponential functions and logarithms, trig functions, parametric and polar equations, systems of equations, and matrices, discrete math, and the conic sections. In this study of advanced math the student will discover the language God used to create the universe. Extensive use is made of the graphing calculator. Students in 11th grade who are planning to take AP Calculus should take this course, as well as seniors who want an accelerated curriculum.

Precalculus is a combination of advanced algebra and trigonometry, with emphasis on graphing. As the title suggests, this course lays the foundation for the study of calculus in high school or college. The student will solve problems graphically, numerically, and algebraically and translate from one model to another. Topics include the library of functions and function operations, exponential functions and logarithms, trig functions, parametric and polar equations, and the conic sections. In this study of advanced math the student will discover the language God used to create the universe. Extensive use is made of the graphing calculator.

Calculus is an introduction to both differential and integral calculus. Topics included are linear, polynomial, logarithmic, exponential and trigonometric functions, an introduction to limits, a study of the derivative and integral along with some of their applications. Emphasis is placed on solving problems using a combination of graphical, numerical and algebraic methods. Students explore the mathematical laws created by God when He designed the universe. Problems that require graphing calculator skills are an integral part of this course, although much work must be done using analytic means.

AP Calculus This course is designed to prepare the student to take the AP Calculus AP Exam. The student will study calculus using a variety of approaches: graphical, numerical, analytical, and verbal. The student will understand the relationship between the derivative and the definite integral and master the calculation of derivatives and integrals. Students will be able to model a physical situation with a function, a differential equation, or an integral, and will be able to use current technology to solve problems and interpret results. Students receive a heightened awareness of the mathematical relationships in the universe as designed by God. All students taking the course must take the AP Calculus Exam.

9th – 12th Grade Science Courses

Biology is the study of living things in God's universe. The study begins with basic scientific terminology, practices and procedures. DNA as the blueprint for life controls the production of RNA, proteins and all cellular molecules. The genetics of living things is an important part of first semester biology. Second semester biology focuses on the kingdoms and the types of organisms that belong in each kingdom. Organisms that were created by God have been separated according to structural similarities and differences. Although organisms change with the environment and evolve – they do not change from one species to another, which is discussed as a falsehood from the theory of evolution.

Anatomy and Physiology is a study of the human body – its structure and function. We begin with the organization and progress through the study of tissues, organs, systems and their relationships. When an individual looks at the complexity of the human body, it is impossible to ignore the handiwork of God. The fact that the body monitors itself and has the ability to make adjustments is evidence of the power of God. The structure and function of each system with its parts are included in the study.

Environmental Science studies the world around us. It studies the natural processes set in motion at creation by God. It looks at the changes that take place on the earth and the responsibility that we all share for the care of our environment. Changes caused by humans influence nature. It will become apparent with this study that we need to all become involved in the care of our planet. Matter and energy are cycled. There is no new supply of materials and there is no place to get rid of unwanted wastes- we must become responsible stewards of what God has entrusted to us. Topics concerning these problems and possible solutions are covered in this course.

Chemistry the purpose of this course is to apply chemical principles and critical thinking to everyday situations and to be challenged with new information. This course is designed to ensure that the student develops a fundamental knowledge of the chemical nature of God's creation.

Physical Science is a course in elementary or pre-chemistry and physics. Students will learn that all energy comes from God and was created by Him. This course is designed to provide foundational skills for those students that plan to take chemistry and physics in subsequent years. It is also designed to provide students seeking to satisfy minimal graduation requirements with a practical study of the relationships between matter and energy.

Physics is a branch of science that involves the study of the physical world God created: energy, matter and how they are related. We will investigate the motions of electrons and protons, the energy associated with mechanics, electricity and waves, including light waves and sound waves.

9-12 Grade Social Studies Courses

Accelerated World History is designed to help students acquire knowledge concerning the foundation and growth of world societies. The student will be able to recognize the contributions of Renaissance society to modern western society, thus being given clear concepts of the important connection between the past and today. The course will follow a chronological approach to the subject emphasizing periodization as a means used by historians for organization and understanding. Special emphasis will be given to the influence of Christianity in the development of world history. Students in the accelerated class should expect an essay question on most tests and additional projects and work relative to the class.

World History Ninth grade World History is designed to help students acquire knowledge concerning the foundation and growth of world societies. The student will be able to recognize the contributions of Renaissance society to modern western society, thus being given a clear concept of the important connection between the past and today. The course will follow a chronological approach to the subject emphasizing periodization as a means used by historians for organization and understanding. Special emphasis will be given to the influence of Christianity in the development of world history.

Honors US History I is a challenging course that is meant to prepare students for Advanced Placement US History next year. It is a two semester survey of American history from the age of exploration and discovery through to Reconstruction. The influence of the Christian religion in colonizing, nation building, intellectual and reform movements will be included. Solid reading and writing skills, along with a willingness to devote considerable time to homework, reading and study are necessary to succeed. Emphasis is placed on critical and evaluative thinking skills, essay writing, interpretation of original documents and historiography.

US History I Tenth grade US History is a course designed to investigate the years of America's founding to 1900. The course provides students with knowledge about our nation's past and develops an appreciation for their heritage. This course includes study concerning the forces from the past that shaped our society and still influence its direction, thereby equipping the student for the responsibilities of citizenship in a democratic society. The role of Christianity and its expression in colonization, founding documents and reform movements will receive special attention.

AP US History is a challenging course that is meant to be equivalent to a freshman level college course and can earn the student college credit. Course requirements and standards are set by the College Board and the AP Exam is prepared by them. All students are required to take the exam in early May and the results are used by colleges to determine if they will award college credit. It is a two semester survey of American history from the age of European exploration and discovery to the present. The course is taught through the eyes of faith with the interaction of Christian religious beliefs inspiring and influencing the colonizing, founding and role in the intellectual and reform movements emphasized. Solid reading and writing skills, along with a willingness to devote considerable time to homework, reading and studying, are necessary to succeed. Emphasis is placed on critical and evaluative thinking skills, essay writing, interpretation of original documents and historiography.

US History II Eleventh grade US History II is a course designed to complete a study of the period from 1900 to the present. The course provides students with the knowledge about our nation's past and develops an appreciation for their heritage. This course includes study concerning the forces from the past that shaped our society and still influence its direction, thereby equipping the student for the responsibilities of citizenship in a democratic society. The role of Christianity and its expression in government, the cultural clashes of the 1920s, and civil rights movement will receive special attention.

Accelerated U.S. Government Twelfth grade government is a one semester course designed to describe, analyze and explain the American system of government. The student should understand how government works, how it is a dynamic, exciting process and how it impacts them as Christians in society. In addition to the requirements for the regular government class, the accelerated class will have essay questions on most tests and will have additional projects and work relative to the class.

Government Twelfth grade Government is a one semester course designed to describe, analyze and explain the American system of government. The student should understand how government works, how it is a dynamic, exciting process and how it impacts them as Christians in society.

Accelerated Economics Economics is a one-semester course designed to help students raise their level of economic literacy. Economics deals with the analysis of the way in which people cope with the problems of scarcity. It is designed to make students aware of the way in which they, both as individuals and as a part of society, affect the economy and how it affects them. It endeavors to make students better able to fulfill their responsibilities as Christian citizens. Students in the accelerated class should expect an essay question on most tests and additional projects and work relative to the class.

Economics Twelfth grade Economics is a one semester course designed to help students raise their level of economic literacy. Economics deals with the analysis of the way in which they, both as individuals and as a part of society, affect the economy and how it affects them. It endeavors to make students better able to fulfill their responsibilities as Christian citizens.

9-12 Course Electives

Business Essentials A God centered approach to business computing designed to teach high school students the comprehensive uses for which computers may be used in the business environment. The two semester course focuses on the most common business suite components including word processing, scheduling, publication, presentation, spreadsheet, and database creation and maintenance.

Web Design and Multimedia Journalism A Christian approach to web design, production and publishing with both computer based and media based content presentation. Students will create and maintain a Mobile Christian web page and produce, direct and report in the MCS News format. This course seeks to give the upper level secondary students an opportunity to use learned objectives and apply these real world tasks.

Library Science The media specialist assistant is a program offered to students in grades 11-12 desiring to further their knowledge in library skills and willingness to serve others. Students work one class period each day in the library and are supervised by the media specialist.

Office Assistant is a course for 11- 12 grade students to learn a sense of professionalism in the office and be willing to learn office etiquette and to serve others. Their duties may include taking warm-ups to the cafeteria, be willing to assist teachers, distributing and stamping mail, running errands and other administrative duties. Student's work one class period each day in either the lower elementary, upper elementary or high school office under the supervision of the secretary in that building.

Yearbook Journalism is a course for 11-12 grade students designed to help members of the yearbook staff learn the skills necessary to produce a yearbook. Each lesson pertains directly to the principles necessary to completing a yearbook from concept and design through final publication. Staff members discover the best possible means of communicating their ideas journalistically through concept development, writing, photography, and design. Also incorporated in the pages and design are a Bible theme spread, Bible verses and a Bible Times spread. Students must apply to be on the yearbook staff. Applications are taken in late April. Students must submit a writing sample and have at least a B average in English. This course may be repeated.

Spanish I The purpose of Spanish I is to acquaint high school students with the culture and language of Spanish speaking people. This course introduces elementary grammar including correct pronunciation of Spanish consonants and vowels, the use of definite and indefinite articles, and the use of nouns, verbs and adjectives. Learning basic Spanish words, phrases and sentences allows our students to understand and communicate with Spanish-speaking individuals and serves as an effective tool for evangelism. All students must take this course to graduate.

Spanish II The purpose of this course is to influence high school students with a greater appreciation of the cultures and language of Spanish speaking people, to increase the student's vocabulary and grammatical proficiency in Spanish allowing the students to understand and communicate with Spanish-speaking individuals and serve as an effective tool for evangelism. All students who graduate in 2013 and after must take and pass this course.

Psychology Psychology is an elective course designed to introduce the high school student to the scientific study of the behavioral and mental processes of living things. As a Christian school we teach that God created each one uniquely having different personalities and varying behavior patterns. The student will be encouraged to think more sensitively, as well as scientifically, in understanding other people and their behavior. This perspective can be used by the high school student to develop a better understanding of self as well as others.

Health The Health course develops the understanding of and the proper attitudes toward health concepts of young people. The course content includes health foundations, physical activity and nutrition, systems of the body, personal care, use of tobacco, alcohol and other drugs, and various diseases and disorders. The course emphasizes the fact that this is the only body God has blessed us with, so we must take care of it. Physical fitness is a lifetime affair, so emphasis is put on the fact that what we do to our bodies as young people will affect them in adulthood. Obedience to the laws of the land, another biblical principle, can be stressed when discussing drugs and alcohol abuse.

Bible/Chorus To be a member of chorus students must audition for the chorus director. The mission of the high school chorus is three fold:

1. To teach each student how to use their voice and share their God-given musical ability in singing 4 part a cappella music in a choral setting,
2. To serve as a music ministry to the school and area congregations, and
3. To promote and represent the school as well as to represent Christ in the community.

This class is held in conjunction with the Bible classes.

Concert/Marching Band The advanced band student will begin becoming proficient in a single instrument. Opportunities to play solo material will avail themselves, as well as playing in small ensembles. These various musical scenarios will broaden their musical experience and heighten their love and appreciation for music and people. Students are given the opportunity to develop the talent that God has given them in the area of music. The MCS band is an ambassador of the school. This means a high standard of morality and ethics is expected. Being Christ like at all times is the goal and expectation of each individual.

Speech This is a one semester course which seeks to give students the tools and practical experience of public speaking based on a strong foundational belief in God. The student is given a Christian approach to the elements of preparation and presentation of morally cultural and timely subjects. The student also must present different styles and examples of speech types. This fulfills the fine arts graduation requirement.

Art Appreciation is a study of visual art intended to raise sensitivity and awareness to the process or product of deliberately arranging various visual elements in a way that appeals to the senses or emotions. One will become more confident in their ability to make comprehensive critical evaluations of works of art. This is a visually oriented class incorporating reproductions of masters' works empowering students to appreciate various styles. The students will be given the opportunities to practice their knowledge of principles of design by producing their own artwork. Students will grow in their appreciation of the Master's creative work seen in nature around them. Most importantly they will grow in appreciation of the Master himself. This fulfills the fine arts graduation requirement.

Music Appreciation this class will deal mainly with western music, though some eastern/Asian music and certainly Middle Eastern music will be discussed. We will begin with the ancient Greeks and continue up to modern music. There will also be discussion about music in the Bible. The purpose of this class is to provide students with a broad exposure to music, culture, and how music fits into God's plan for us. This fulfills the fine arts graduation requirement.

Personal Finance The purpose of this course is to allow students to learn through instruction and real world experience the process of preparing financially for the future. The student receives instruction in budgeting, insurance, loans, financing, markets for all types of investing, options in retirement, and saving for college. The support material was created by Dave Ramsey seeking to provide "Financial Peace" to those who follow his course of action while learning the components of the aforementioned. Students view video while taking pre-printed notes and take evaluation quizzes and tests over the chapter and unit series. Students also participate in individual and group projects which provide reinforcement of learned information.

Varsity Sports The Sports Physical Education program contributes to the physical, mental, social, emotional and intellectual growth of high school students by providing the opportunity for improvement and mastery of specific sport skills. It also promotes cooperation through teamwork and generates the competitive desire to be successful. The student must be on a varsity athletic team or have the approval of the varsity coach of that particular sport to enroll in this class.

Girls PE/ Boys PE The Physical Education program contributes to the physical, mental, social, emotional, and intellectual growth of high school students by implementing fitness activities and specific sports skills. It also promotes cooperation through teamwork and generates the competitive desire to be successful. A foundation for lifetime enjoyment of leisure activities is provided in this program. One credit is required of all high school students. Students may elect to take this course each year of high school.