



High School Program

Ninth Grade

English

Grammar: Capitalization rules, punctuation rules, kinds of sentences and diagramming, eight parts of speech and their uses, sentence structure, research paper and composition skills

Composition: Paragraph structure, the writing process, improving writing style, the library, outlining, MLA Works Cited, paraphrasing, book reports, essays (research, compare-contrast, persuasive), research paper

Creative writing: Narratives, descriptions, poems, short stories

Oratory skills: Speeches, drama

Vocabulary: Spelling, Vocabulary lessons; Greek and Latin roots, synonyms and antonyms

Literature:

Shakespeare by Bill Bryson

Romeo and Juliet by William Shakespeare

A Christmas Carol by Charles Dickens

D'Auclaires' Book of Greek Myths

The Odyssey by Homer

World Geography

Introduction to Geography

Asia: The Middle East, Central and Southern Asia, The Far East

Africa: Northern Africa, Tropical Africa, Southern Africa

Europe: Mediterranean Europe, Central Europe, the Low Countries, the British Isles, Scandinavia, Russia and Eastern Europe

Australia, the Pacific Islands, and Antarctica

North America: Canada, the United States, Mexico and Middle America

South America: Andean Countries, Brazil and the Guianas, Southern Mid-Latitude Countries

Current events

Science: Matter and Energy

Matter and Energy: Measuring Matter, States of Matter, Energy, Heat

Chemistry: Foundations of Chemistry, Molecules and Chemistry, Chemistry in Action, Science v. Evolution

Motion and Waves: Motion and Forces, Waves and Sound, Light and Color

Electricity and Magnetism: Electrostatics, Magnetism, Electricity, Electronics

Algebra 1

Arithmetic, Operations with Whole Numbers, Fractions, Decimal Numbers, Graphs, Graphs on the Coordinate Plane, Number Sets, Real Numbers, Ratio, Proportion, Percent, Rate, Exponents, Roots, Probability, Statistics, Simplifying expressions, simplifying and solving equations, linear equations, quadratic equations, other types of equations, understanding functions, geometry: lines, points, segments, and planes; polygons; triangles, geometric solids; perimeter and circumference; area; surface area and volume; and Pythagorean theorem.



Spanish I

Pronunciation

Word Formation

Verse memorization as a witnessing tool

Grammar

Vocabulary: School, Clothes, Family, Home, Food, Creation, Vacation

Application: Conversation, Reading, Interview, Report, Letter, Oral translation

Bible

Chapel: Praise and worship

Godly character training plan

Class Participation, Prayer Journal, Bible Memory Preachings, Group Bible Studies

Nehemiah, The Gospel of Matthew

Document Processing

Employment Documents

Other Business Documents

Business Document Production

Comprehensive Document Review

Physical Education:

Wholeheartedness/Sportsmanship/Teamwork

Calisthenics/Stretching

Skills/Rules/Participation with various team sports

Intramural league competition

Tenth Grade

English

Grammar: Capitalization rules, punctuation rules, kinds of sentences and diagraming, eight parts of speech and their uses, diagraming eight parts of speech, sentence structure, dictionary skills, usage, and diction

Composition: Paragraphs, the library and research paper, outlining, improving writing style, book reviews, descriptions, literary analysis, various essays, journaling, creative writing, and journalism

Vocabulary, Spelling, Poetry: Vocabulary lessons; weekly spelling lessons; vocabulary from literature

Public Speaking Skills: Debate, speeches, skits, plays, presentations

World Literature: Reading and analyzing *The Hound of the Baskervilles* by Arthur Conan Doyle, *Safely Home* by Randy Alcorn, *Silas Marner* by George Elliot, *Julius Caesar* by William Shakespeare, and selected poetry and sonnets

World History and Cultures

Asia and Africa: The Beginnings of Civilization: Foundations, Sumer, Middle East, Other Asian



Cultures, Egypt, Other African Cultures

Europe: Beginnings of Western Civilization: Greece, Rome, Early Church History, The Byzantine Empire

The Middle Ages: From the Ancient to the Modern: The Dark Ages, Medieval Culture, the Rise of Modern Nations

The Reformation Era: The Protestant Reformation, Post-Reformation Europe, Post-Reformation Science and Culture

The Age of Ideas: France, England and America, The Age of Industry, The Victorian Era, Unbelief and Revolution in 19th Century Europe

The Twentieth Century: World War I, Rise of Communism, 20th Century Liberalism, World War II, The Cold War Era, The Rise of Globalism

Current events

Biology

Botany: Flowering Seed Plants; Structure and Function of Leaves; Flowers, Fruits, and Seeds; Stems and Roots; Variety in Plant World

Human Anatomy and Physiology: Fearfully and Wonderfully Made; Bones and Muscles; Nervous System; Nutrition and Digestion; Circulation and Respiration; Integumentary, Excretory, Endocrine, and Reproductive Systems; Disease and the Body's Immune System

Life Sciences: Natural History and Scientific Investigation, Evolution: A Retreat from Science, Introduction to Ecology

Zoology: Mammals, Birds, Reptiles and Amphibians, Fish, Arthropods, Variety in the World of Invertebrates

Cellular and Molecular Biology: Cytology; Heredity; DNA; Laboratory work: dissections, microscopy, field studies, nutrition, cellular biology, genetics; Laboratory Studies

Geometry

Foundations of Geometry

Angles

Circles

Polygons

Plannar area

Surface area

Volume

Constructions

Sequences and series

Matrices

Trigonometry: Functions and graphs, identities and inequalities

Applied mathematics: Word problems, statistics and probability

Proofs: Elements of proofs, theorems

Spanish II

Pronunciation

Word Formation

Verse memorization as a witnessing tool



Grammar/Cultural readings/Stories from the life of Christ (a witnessing tool)

Vocabulary: School, Clothes, Family, Home, Food, Creation, Vacation

Application: Conversation, Reading, Interview, Report, Letter, Oral translation

Bible

Chapel: Praise and worship

Godly character training plan

Class Participation, Prayer Journal, Bible Memory Preachings, Group Bible Studies

Nehemiah, The Gospel of Matthew

Physical Education

Wholeheartedness/Sportsmanship/Teamwork

Calisthenics/Stretching

Skills/Rules/Participation with various team sports

Intramural league competition

Eleventh Grade

English

Grammar: Parts of speech, diagramming, sentences and paragraphs, mechanics and usage, dictionary skills, diction, and library/research skills, capitalization and punctuation rules, improving writing style

Composition: Review of the writing process and outlines

Expository essays:

Persuasive, argumentative, character sketch, extended definition, compare-contrast, literary and biblical analysis, personal reflection, definition, research paper.

Creative Writing:

Short stories, descriptions, poems, historical fiction, personal narrative, personal application stories, writing plays

Oratory Skills: Speeches, drama, debates

Vocabulary, Spelling: Greek and Latin roots, prefixes, suffixes, review of spelling rules

American Literature:

Highlights of the lives of famous Americans, short stories and full-length books:

- *The Legend of Sleepy Hollow* by Washington Irving
- *Fahrenheit 451* by Ray Bradbury
- *Short Stories* by O'Henry
- *The Scarlet Letter* by Nathaniel Hawthorne
- *Our Town* by Thornton Wilder
- *101 Great American Poems*
with teacher generated materials
- *To Kill a Mockingbird* by Harper Lee
- *American Short Stories*



U.S. History

Discovery and Exploration, The Thirteen Original Colonies, Life in Colonial America, Preparation for Independence, Conflict with England, The War for Independence; The Critical Period and the Constitution, The Federalist Era, The Age of Jefferson, The Nationalist Era, The Age of Jackson, Revival and Missions, Education and Technology, Expansion to the Pacific, Slavery and Secession, The Civil War, Reconstruction, A Nation on the Move, The Triumph of Free Enterprise, Life in the Gilded Age, Politics in the Age of Industry, Expanding World Influence, The Progressive Era, World War I, The Twenties, Depression and the New Deal, World War II, Years of Strength and Stability, Troubled Times, The Reagan Era and the 1990s, America Enters the New Millennium 2000-Present, Current events

Chemistry

Chemistry: An Introduction, Matter: The Substance of Chemistry, Stoichiometry: Elements and Compounds, Stoichiometry: Chemical Reactions, Gases, Chemical Thermodynamics, Light, Electrons, and Atomic Structure, Periodic Table, Chemical Bond and Intermolecular Forces, Selected Nonmetals and Their Compounds, Selected Metals and Semimetals, Solutions and Colloids, Chemical Kinetics, Chemical Equilibrium, Acids, Bases, and Salts, Oxidation-Reduction Reactions and Electrochemistry, Nuclear Chemistry, Organic Chemistry, Laboratory Studies

Algebra 2

Number sense and foundations of Algebra
Linear functions
Matrices
Sequences, series, and logic
Polynomials and polynomial functions
Rational and radical functions
Linear systems
Probability and statistics
Quadratic functions
Trigonometry
Exponential and logarithmic functions
Conic sections

Spanish III

Grammar
Conversations
Cultural readings
Stories from the life of Christ (a witnessing tool)
Vocabulary
Composition
Interviews

Bible

Chapel: Praise and worship



Godly character training plan
Class Participation, Prayer Journal, Bible Memory Preachings, Group Bible Studies
Nehemiah, The Gospel of Matthew

Physical Education

Wholeheartedness/Sportsmanship/Teamwork
Calisthenics/Stretching
Skills/Rules/Participation with various team sports
Intramural league competition

Twelfth Grade

English

Grammar: Review of grammar, the sentence, and mechanics; dictionary skills; diction and usage; research skills
Composition: Paragraph, theme, outline, narrative, poetry, essay, description, character sketch, vocation project, book reviews, extemporaneous writing, journaling, literary analysis, journalism
Oral Speaking: Speeches, debates, drama, and presentations
Vocabulary and Poetry: Vocabulary lessons; vocabulary from literature
English Literature: Study authors and historical context, and analyze the following books:
A Tale of Two Cities by Charles Dickens, *Pride and Prejudice* by Jane Austen, *The Screwtape Letters* by C.S. Lewis, *Hamlet* by William Shakespeare, and other selected short stories, poetry and sonnets
SAT Reading Preparation

Government

Foundations of the American Republic: America as a Unique Nation, Government under God, the Shaping of the American Republic
Our Constitutional Republic: The Constitution, The Legislative Branch: Congress, The Executive Branch: the Presidency and the Bureaucracy, The Judicial Branch: the Federal Courts, The Bill of Rights
Our Federal Republic: Federalism, State Government, Local Government, American Citizen in Action
Current events

Honors Physics

Introduction to Physics
Material Substances: Matter, Liquid, Gaseous, Solid
Mechanics: Introduction to Motion, Vectors and Projectile Motion, Forces in Nature, Concurrent Forces, Circular and Periodic Motion, Work and Machines, Energy and Momentum, Rotary Motion
Thermodynamics: Heat, Laws of Thermodynamics
Wave Phenomena: Waves, Sound, Nature of Light, Reflection of Light, Refraction of Light, Wave Optics



Electricity and Magnetism: Electrostatics, Magnetism, Current Generation, Electric Circuits,
Electrical Devices

Modern Physics: Advanced Physics Concepts, Theories of Relativity
Laboratory Studies

Note: For those twelfth graders who qualify, they may take Pre-Calculus. Otherwise, they take Business Math. (See below.)

Pre-Calculus

Functions and graphs: modeling and equation solving, functions and their properties, twelve basic functions, building functions from functions, parametric relations and inverses, graphical transformations, modeling with functions

Polynomial, power, and rational functions: linear and quadratic functions and modeling, power functions with modeling, polynomial functions of higher degree with modeling, real zeros of polynomial functions, complex zeros and the fundamental theorem of algebra, graphs of rational functions, solving equations in one variable, solving inequalities in one variable

Exponential, logarithmic, and logistic functions: exponential and logistic functions, exponential and logistic modeling, logarithmic functions and their graphs, properties of logarithmic functions, equation solving and modeling, mathematics of finance

Trigonometric functions, analytic trigonometry, applications of trigonometric functions, polar coordinates, analytic geometry, systems of equations and inequalities, sequences, induction, and the binomial theorem

Business Math

Personal recordkeeping: basic forms, filing systems for personal banking, budgeting, borrowing, and paying taxes

Business recordkeeping: cash receipts and payments, sales, inventory, and payroll

Business accounting: double-entry accounting, debits, credits, accounting forms, including ledgers, journals, and financial statements

Business vocabulary

Business math exercises in all aspects of basic and advanced arithmetic

Bible

Chapel: Praise and worship

Godly character training plan

Class Participation, Prayer Journal, Bible Memory Preachings, Group Bible Studies

Nehemiah, The Gospel of Matthew

Physical Education

Wholeheartedness/Sportsmanship/Teamwork

Calisthenics/Stretching

Skills/Rules/Participation with various team sports

Intramural league competition