

Language Arts

Grammar

Review of grammar, the sentence, and mechanics
Dictionary skills
Diction and usage
Research skills

Composition

Paragraph, theme, outline, narrative, poetry, extended definition, essay, description, character sketch,

vocation project, book reviews, and extemporaneous writing

Vocabulary

Vocabulary lessons

English Literature

Writers and works from the following periods: Anglo-Saxon, Medieval, Elizabethan, and Puritan
Selections from *Beowulf*, *Canterbury Tales*, and *Paradise Lost*

Writers and works from the Eighteenth Century, Romantic Period, Victorian Age, and Twentieth Century
Authors such as Wordsworth, Scott, Coleridge, Burns, Tennyson
Condensed novel: *Robinson Crusoe* (includes conversion experience)
Complete play: *Macbeth*
Complete novel: *The Pilgrim's Progress*
Ten poems memorized

Mathematics*

Precalculus with Trigonometry and Analytical Geometry

Trigonometry applied to right triangles
Angles on the cartesian plane
Trigonometric functions of any angle
Graphing the trigonometric functions
Trigonometric identities and formulas

Trigonometric equations and inverse trigonometric functions
Solving oblique triangles
Complex numbers and De Moivre's Theorem
Intercepts, symmetry, and domain
Point of intersection of graphs
Parametric equations
Distance, slope, and the straight line
The conic sections

Planes and surfaces in three dimensions
Polar coordinates
Equations representing empirical data
The first derivative
Acceleration and the second derivative
Application of the first and second derivative
The integral (anti-derivative)

Government

Foundations of the American republic

America: 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

Economics

Everybody's economics
Economists and economic laws
Factors of production
Laws of supply and demand
Productive market economy
Good that competition does

Efficiency of production
Why everybody needs to save
What money is good for
Government and the economy
Successes and difficulties in the market economy

Promise and performance in the market economy
A look at the global economy
A cheerful view of our economic future

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

Speech**

Everyday speech

The place of speech in society
Everyday conversation
Special types of conversation
Group discussion
Parliamentary procedure

Interpretation

Talking with the body
Interpreting monologues
Reading with meaning
Our American pronunciation
Listening

Interpreting declamations and poetry

Storytelling
Extemporaneous devotionals

Family/Consumer Sciences**

Introduction

Kitchen and food safety
Basic techniques and equipment

Healthy habits

Nutrition
Consumer education

Breakfast

Milk and beverages
Eggs

Grains, breads, and food preparation

Serving

Table setting, meal service, and etiquette
Successful entertaining

Lunch

Adding flavor
Produce
Lunch time favorites

Dinner

Meat, poultry, and fish
Appetizers and desserts

Laboratory Work:

Cookies, nutrition, breakfast, muffins, yeast bread, pasta, cheese sauce, vegetables, salad, lunch, supper, pudding, cake reception, pie crust, dinner party

Spanish 2 or French 2**

Grammar
Conversations
Cultural readings

Stories from the life of Christ (a witnessing tool)
Vocabulary

Composition
Interviews

Bible

Study series: Genesis—First Things, Revelation and Church History (includes memory verses and hymns)

*Mathematics courses can be taken in a different sequence to meet your scheduling needs.
**Electives can be taken in different grade-level sequences based on your scheduling needs.