

## 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.