

**Language Arts****Grammar**

Capitalization rules  
Punctuation rules  
Kinds of sentences and diagraming  
Eight parts of speech and their uses  
Diagraming eight parts of speech  
Sentence structure

**Composition**

Manuscript form  
Writing process  
The library  
Paragraphs  
Outlining

Book reports  
Summaries  
Descriptions  
Research paper  
Writing letters  
Improving writing style

**Vocabulary, Spelling, Poetry**

Vocabulary lessons  
Weekly spelling lessons  
Ten poems memorized

**Literature**

Classics on the following themes:  
truth and wisdom, courage, humility, justice, temperance, beauty, joy and peace, faith and hope, love, and time and eternity

Reading for enjoyment stories and poems by such authors as Hale, Tolstoy, O. Henry, Hawthorne, Alcott, à Kempis, Longfellow, Shakespeare

**Mathematics\*****Algebra I**

Real Numbers and Algebra  
Linear Equations in One Variable  
Linear Equations in Two Variables  
Linear Inequalities  
Systems of Equations

Polynomial Arithmetic  
Polynomial Factoring  
Radical Expressions and Equations  
Quadratic Equations  
Statistics and Probability

Rational Expressions and Equations  
Functions

**World Geography****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 Countries  
Current events

**Physical Science****Introduction to Physical Science****Matter and Energy**

Measuring Matter  
States of Matter  
Energy  
Heat

**Chemistry**

Foundations of Chemistry  
Molecules and Chemistry  
Chemistry in Action  
Science vs. Evolution

**Motion and Waves**

Motion and Forces  
Waves and Sound  
Light and Color

**Electricity and Magnetism**

Electrostatics  
Magnetism  
Electricity  
Electronics

**Health**

Nutrition and exercise  
Personal hygiene  
Body systems  
Mental health

Personal safety  
First aid  
Disease prevention  
Drug abuse

Right relationships  
Spiritual growth

**Bible**

Study series: Kings of Israel: United Kingdom, Israel's Divided Kingdom (includes memory verses and hymns)