

Language Arts

Grammar

- Capitalization rules
- Punctuation rules
- Kinds of sentences and diagramming
- Eight parts of speech and their uses
- Diagramming eight parts of speech
- Sentence structure

Composition

- Essay answer
- Summaries
- Letters
- Informative, narrative, and process essays
- Character sketch
- Writing style
- The writing process
- Outlines
- Book reports
- Paragraphs
- Research paper (informative)
- The library

Vocabulary, Spelling, Poetry

- Vocabulary lessons
- Weekly spelling lessons
- Eight poems memorized

Literature

Stories and poems read for enjoyment by authors such as Frost, Dickinson, Kipling, Bunyan, Alcott, Luther, Dickens, Defoe

Mathematics

Intermediate Mathematics

- Maintaining arithmetic skills (see grades 4–6)
- Fractions and decimals
- Factoring
- Using and applying of percent
- Signed number arithmetic
- Introduction to algebra
- Introduction to plane and solid geometry
- Development and use of area and volume formulas

- English and metric systems of measurement
- Introduction to probability
- Introduction to statistics
- Constructing and interpreting statistical representations
- Graphing on the Cartesian plane
- Direct variation
- Powers and roots
- Polynomial arithmetic
- Radicals
- Solving equations

- Algebraic word problems
- Inequalities
- Optional "fast fact" concepts—Factorials, simple interest, discounts and coupons, visual sequences, line symmetry, cross sections of solid figures, tree diagrams, compliment of an event, dependent events, reflections, slope of parallel and perpendicular lines, graphing from slope-intercept form, nonproportional relationships, raising a power to a power

World History and Geography

- The beginning
- From sumer to Canaan
- Down to Egypt
- Israel and its land
- According to His Will
- Greece: a drama in two acts
- Rome before Christ
- Rome after Christ
- Early church history
- Islam versus Christendom

- From empire to feudalism
- An age of darkness
- The protestant reformation
- Post-reformation Europe
- The English nation
- An age of exploration
- The United States
- France in the modern age
- The British empire
- Science & industry in the modern age

- The new world of classics
- World War I and the rise of Communism
- Before and during World War II
- The Cold War era
- Toward a new millennium
- Change in the new millennium
- Eastern hemisphere geography
- Parliamentary procedure
- Current events

Life Science and Health

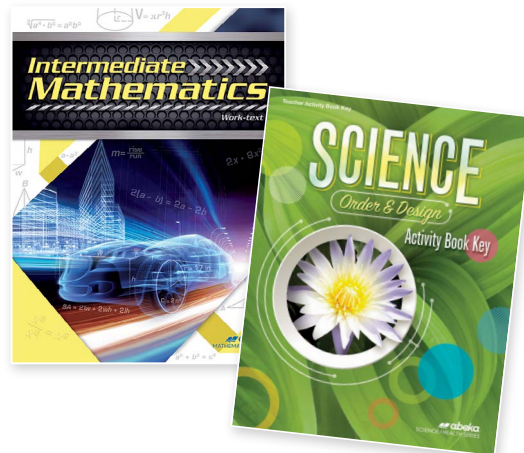
- Invitation to science
- Plants: provision for life
- Your wonderful body
- A healthy life

- Creation and science
- Mammals
- Birds
- Fish, reptiles, and amphibians
- insects

- Assorted invertebrates
- Through the microscope
- Forestry: generous giants
- Ecology: harmony in God's Creation

Bible

Lessons/Map Journeys: Exodus, Life of Christ (includes memory verses and hymns)



Language Arts**Grammar**

Capitalization rules
Punctuation rules
Kinds of sentences and diagramming
Eight parts of speech and their uses
Diagramming eight parts of speech
Sentence structure

Composition

Manuscript form
The writing process
The library
Outlining
Summaries
Book reports
Paragraphs
Descriptions
Research paper (informative)
Writing style

Vocabulary, Spelling, Poetry

Vocabulary lessons
Weekly spelling lessons
Nine poems memorized

Literature

Reading for enjoyment stories and poems by such authors as Twain, Whittier, Longfellow, Frost, Hawthorne, Sandburg

Mathematics***Pre-Algebra**

Maintaining skills in fundamental operations (see grades 4–7)
English and metric measures
Scientific notation
Properties of mathematics
Signed number arithmetic
Sequences
Basic algebraic concepts
Like and unlike terms
Linear equations
Linear inequalities

Word problems solved algebraically
Plane and solid geometric concepts
Properties of geometric figures
Constructing geometric figures
Perimeter, area, surface area, and volume
Graphing on the cartesian plane
Functions
Probability and statistics
Reading graphs

Polynomial arithmetic
Powers and roots
Simplifying radicals
Quadratic equations
The Pythagorean theorem
Sine, cosine, and tangent
Systems of equations
Optional Level Up concepts—
Accuracy vs. precision, visual sequences, mixture problems, symmetry, systems and repeating decimals, approximating/irrationals

U.S. History and Geography

A new world to explore
The first English colonies
Founding of the new colonies
Life in colonial America
Preparation for independence
Home of the brave
Land of the free
From the Appalachians to the Rockies
The Jacksonian Era
Innovations and inventions

Revival, education, and culture
Expansion into the West
The Civil War and Reconstruction
The Age of Industry
Growth in America
Into the 20th century
In war and in peace
The rise of big government
World at war
Postwar America

A time of testing
Eve of the new millennium
Into the new millennium
Challenges and opportunities
Constitution study
Western Hemisphere geography
Current events
National, state, and local government

Earth and Space Science

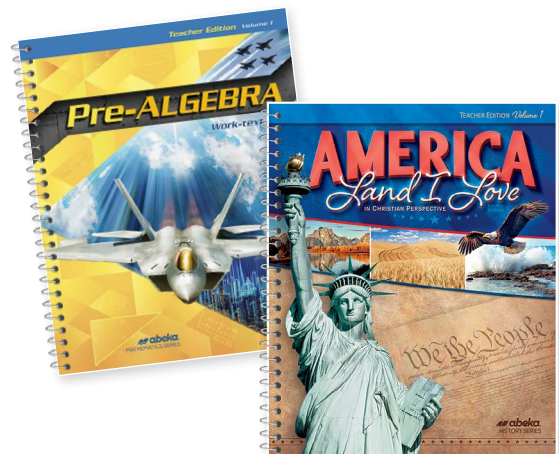
Introduction to science
Foundations of geology
Minerals and rocks

Weathering and erosion
Interpreting the fossil record
A survey of the seas

The atmosphere
Water vapor and air masses
Storms and forecasting
Consider the heavens
Man and the universe
Environmental science

Bible

Lessons/ Map Journeys: Journeys of Paul, Joshua, Judges (includes memory verses and hymns)



*Mathematics courses can be taken in a different sequence to meet your scheduling needs.

