

Language Arts	Reading and Literature Oral and silent reading Continued development of fluency Reading comprehension Vocabulary development Discussion for personal application and biblical worldview development Analysis of literature and illustration Identifying, analyzing, writing narrative and informative text structures Application of literary terms and components: protagonist, antagonist, elements of a plot, author's style, foreshadowing, mood, alliteration, limerick, free verse, internal rhyme, onomatopoeia, hyperbole, idiom, parody	Critical thinking activities Penmanship Review of cursive writing formation Practice penmanship through creative writing and word exercises Spelling, Vocabulary, and Poetry Weekly word lists by prefixes, suffixes, and root words Vocabulary study from the word lists Eight poems committed to memory Language Writing Process Writing paragraphs, poetry, outlines, library research paper, narration, journal,	book reports, letters, creative writing Sentences and sentence parts Fragments, run-ons Library skills Student Writers' Handbook Grammar Punctuation and capitalization rules Recognizing, diagramming, using all eight parts of speech Word usage
Arithmetic	Place value of whole numbers and decimals Maintaining skills in fundamental operations Story problems/Problem-solving strategies Roman numerals Rounding off English and metric measures Converting measures within the same system and solving measurement equations	Adding, subtracting, and multiplying measures Prime factoring Fundamental operations involving fractions and decimals Estimation Ratios and proportion Percent Probability Graphs and scale drawing/ Introduction to statistics Basic geometric shapes	Perimeter, area, and circumference Bisecting angles Reading thermometers Converting Celsius to Fahrenheit and Fahrenheit to Celsius Equation solving/Introduction to basic algebra Latitude, longitude, and time zones Banking, finding interest, and installment buying Reading electric and gas meters
History and Geography	Advanced map studies Geography facts, including the 50 states Eight documents reviewed North America: Canada, United States, Mexico and Central America	South America: continent of natural resources, nations of South America United States history: the colonial heritage, New world's first republic, U.S. in the twentieth century	
Science	Plants Plentiful plants Animals Observing invertebrates	Earth and Space Our fascinating earth God's great universe Exploring space	Chemistry Matter and chemistry (atoms, elements, and compounds)
Health	Safety and first aid Safety first First steps of first aid Growth and fitness Your changing body An active lifestyle	Anatomy Endocrine system Respiratory system Muscular system Skeletal system	A healthy mind and body Your body's defenses Lymphatic system Your communication system Nervous system Skin Drugs—use and abuse A healthy spirit
Bible	Lessons: Salvation Series, Life of Christ, Parables, Elijah, Elisha, Daniel, Esther, Ezra/Nehemiah (includes memory verses, hymns/choruses, and Bible doctrine)		
Music Arts & Crafts	Traditional, patriotic, fun songs	Further development of perspective, introduction to composition, study of accomplished artists	



**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 and Judges
(includes memory verses and hymns)



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

