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

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

Eight poems committed to memory

Language Writing Process

word lists

Writing paragraphs, poetry, outlines, library research paper, narration, journal,

book reports, letters, creative

Sentences and sentence parts Fragments, run-ons

Library skills Student Writers' Handbook

Grammar

Punctuation and capitalization

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

Plants Science Earth and Space

Plentiful plants Our fascinating earth God's great universe **Animals** Exploring space Observing invertebrates

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

Drugs-use and abuse A healthy spirit

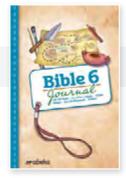
Bible

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

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 Factorina 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 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

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—

sequences, mixture problems, symmetry, systems and repeating decimals, approximating/irrationals

Accuracy vs. precision, visual

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.

