

### ENGLISH 5



#### Parts of Speech

Noun: common, proper, singular, plural, possessive, abstract, collective; Verb: action, linking, helping, simple tenses, progressive tenses, perfect tenses, irregular verbs, frequently confused verbs, mixing verb tenses; Pronoun: subject, object, possessive, reflexive, intensive, indefinite; with antecedent; Adjective: articles, demonstratives, proper adjectives, comparative, superlative; Adverb: comparative, superlative; Preposition; Conjunction: coordinating, correlative, subordinating; Interjection.

#### Sentence Structure

Simple sentence; compound sentence; complex sentence; Sentence patterns; Subjects and predicates: complete, simple, and compound; Phrase, dependent clause, independent clause; Correcting fragments, comma splices, and fused sentences.

#### Conventions

Capitalization: proper nouns, proper adjectives, titles, abbreviations; Punctuation: period, question mark, exclamation point, comma, apostrophe, quotation marks.

#### Usage

Homophones; Pronoun reference; Contractions; Frequently confused verbs; Double negatives; Subject/verb agreement.

#### Writing Skills & Support

Paragraph development; Writing process: plan, draft, revise, proofread, publish; Writing conferences with teacher and peers; Proofreading marks; Using a thesaurus; Checklists for self-assessment; Rubrics for summative assessment.

#### Writing Projects

Poetry: diamante and sense poem; Opinion: book review, persuasive letter; Narrative: personal narrative; Informative: compare-contrast essay, research report.

#### Study & Research Skills

Reference skills: parts of a book, types of reference books, using the library, using the internet; Study skills: taking notes, outlining, internet safety, keyword search, reliability of sources.

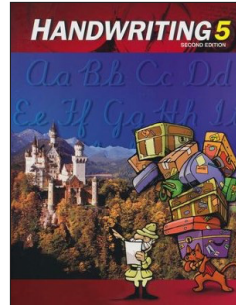
#### Listening, Speaking & Viewing Skills

Listening skills: collaborative discussion, peer conferences; Speaking skills: presentations, peer conferences; Viewing skills: visual analysis.

#### Biblical Worldview

Communication in relation to Creation, Fall, Redemption using the themes of Personality, Perception, Precision, and Pleasure.

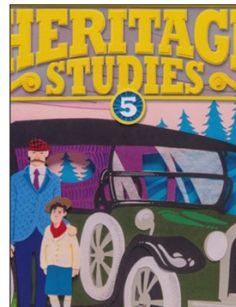
### HANDWRITING 5



#### Christian School Educational Materials

Handwriting 5 refines students' handwriting skills and guides students in maintaining consistent, legible penmanship.

### HISTORY-HERITAGE STUDIES 5



#### Time Period

AD 1400 to the present.

#### Map Skills

Cardinal and intermediate directions, map symbols and key, map scales, map grids, latitude and longitude, time zones.

#### Kinds of Maps

Globe, historical, physical and relief, road map, distribution map, political, map projection, regions/state capitals.

#### American History

Chronological presentation; Events and personalities from pre-Columbus to the present; Biblical evaluations of events, actions, and attitudes.

#### Government

Biblical philosophy; Roles of the three branches of government.

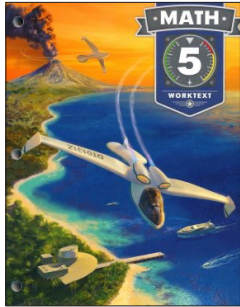
#### Economics

Inventions; Stock market; Supply and demand.

#### Culture

Languages; Religions; Customs.

## MATH 5



### Number Sense

Recognizing and writing 0–100,000,000,000 as numerals and words; Roman numerals I–C; Place value: ones to hundred billions; comparing; expanded form; even/odd numbers; positive/negative numbers; number line; expressions and equations.

### Addition & Subtraction

Basic facts (fact families and other strategies); six-digit numbers; renaming to hundred thousands; inverse relationship; strategies; word problems; money; compensation; Properties: commutative, associative, identity, zero principle.

### Multiplication

Basic facts (fact families and other strategies); multiples; repeated addition; arrays; equations; vertical form; one to three digits times two to four digits; renaming; strategies; word problems; money; factor trees; prime and composite numbers; GCF; LCM; Properties: commutative, associative, identity, zero, distributive over addition.

### Division

Basic facts (fact families and other strategies); equal sets; inverse of multiplication; measurement; partition; fraction form; equations; two to four digits by one or two digits; remainders; strategies; word problems; money.

### Fractions

Part of a whole; part of a set; equivalent fractions; comparing; ordering; lowest terms; renaming improper fractions and mixed numbers; Adding and subtracting like and unlike fractions; adding and subtracting mixed numbers with like and unlike fractions; Multiplying a whole number times a fraction and a fraction times a whole number; multiplying a fraction times a fraction; multiplying a whole number times a mixed number; multiplying a mixed number times a mixed number; Dividing a whole number by a fraction; dividing a fraction by a fraction; reciprocals.

### Decimals

Reading and writing tenths, hundredths, thousandths; writing as fractions and mixed numbers; comparing; ordering; renaming to thousandths; word forms; money; word problems; rounding to nearest hundredth; Multiplying a decimal by a whole number, by a decimal, and by a power of 10; Dividing a decimal by a one-digit whole number; dividing a whole number by a whole number with a decimal quotient; dividing to rename a fraction as a decimal; dividing a decimal by a power of 10.

### Geometry

Points; horizontal/vertical lines; parallel/intersecting/perpendicular lines; line segments; rays; angles: right, acute, obtuse; measuring angles; Plane figures: circle, polygon, square, triangle, rectangle, pentagon, hexagon, octagon, quadrilateral, parallelogram, rhombus,

trapezoid; edge, vertex; similar, congruent, symmetrical; translation, reflection, rotation; perimeter, circumference, area; Solid figures: sphere, cone, cylinder, polyhedron, cube, prism, pyramid; face, edge, vertex, curved surface; nets; surface area; volume; Circle: center point, radius, diameter, chord, central angles; Triangles: sum of angles =  $180^\circ$ ; acute, obtuse, right; isosceles, scalene, equilateral.

### Estimation

Rounding to a given place; Rounding for addition, subtraction, multiplication, and division; Whole numbers; fractions; decimals; Length; distance; capacity; weight; mass.

### Measurement

Length; capacity; weight; mass; temperature; Time: past and future elapsed time; equivalent units; converting units; adding and subtracting; Calendar; writing dates.

### Problem Solving

Use a problem-solving plan: problems; graphs; tables; charts; schedule; map skills; logic; probability; money; multistep problems; problems with too little or too much information.

### Data

Tables; charts; tallies; frequency table; line plot; stem-and-leaf plot; Pictograph; bar/double-bar graph; line/double-line graph; circle graph; coordinate graph; Mean, median, mode; range; frequency; scale; interval.

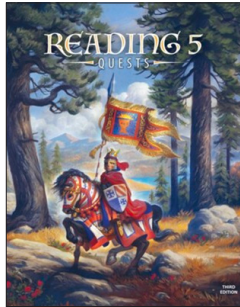
### Ratios, Proportions, Percents

Equivalent ratios; unit rate; scale drawings; map scale; Writing percents as fractions and decimals; writing fractions as percents; comparing percents to decimals and fractions; finding the percent of a number.

### Calculators

Varied activities.

### READING 5



#### Vocabulary

Meaning from context; synonyms; antonyms; analogies; Greek and Latin roots; multiple meanings.

#### Comprehension

Literal and higher-order levels; Sequence; classify; compare and contrast; cause and effect; problem and solution; Make inferences; draw conclusions; predict outcomes; summarize; Self-monitoring; facts/opinion; main idea and supporting details; sense of history; Biblical discernment and cultural awareness

#### Literature

Various genres: realistic fiction, historical fiction, Christian fiction, science fiction, mystery, biography, autobiography, narrative nonfiction, informational text, procedural text, proverbs, Bible prophecy, Bible account, fantasy, folktale, fable, tall tale, myth, poetry, reader's theater; Main character; character motives, traits, background, dialect, development; Setting; plot; theme; cause and effect; climax; rising and falling action; point of view; conflict; foreshadowing; humor; invented words; irony; moral; mood; suspense; symbol; rhetorical questions; tone; wordplay; worldview; Imagery; personification; onomatopoeia; metaphor; simile; exaggeration; dialect; Poetry: free verse, limerick, hymn, sonnet, tanka, riddles, rhyme, rhythm.

#### Study Skills

Glossary; dictionary; Bible concordance; Bible study; Summarizing; skimming; internet research; digital literacy; Maps; timelines; diagrams; graphs; charts; sidebars; captions; titles; subtitles/section titles.

#### Book Reports

Writing process used to prepare and present written and oral book reports.

#### Fluency

Silent reading: for information, entertainment, understanding, spiritual growth, author's message, and biblical truth; Oral reading: communicate author's message; communicate mood and motive; convey emotion; portray character; convey meaning of Scripture; voice inflection; volume and pacing.

#### Composition

Metaphor; simile; haiku; tanka; limerick; letter; journal entry; research writing; interview.

### SCIENCE 5



#### General Science

Process skills, science tools, scientific method

#### Earth Science

##### Earth

Layers of the earth: characteristics of the core, mantle, and crust; **Soil:** weathering, erosion, how soil is formed; **Minerals:** characteristics of minerals; uses of gems, metals, and other minerals; mining; **Rocks:** formation of igneous, sedimentary, and metamorphic rocks; **Fossils:** contrasting creation and evolution; Genesis Flood; fossil formation; excavating and restoring fossils; dating and interpreting fossils; **Layers of the atmosphere:** characteristics of the troposphere, stratosphere, mesosphere, thermosphere, exosphere, and ozone layer; **Weather:** air; air pressure; temperature; air masses and fronts; winds; precipitation; clouds; storms; tornadoes; hurricanes; weather instruments; reading weather maps.

##### Space

Space technology: regulating heat in spacecraft.

#### Life Science

##### Living Things

**Dinosaurs:** fossil evidence; extinction; **Biomes:** characteristics; plant and animal life in the tundra, coniferous forest, deciduous forest, grasslands, desert, tropical rainforest, mountains, marine and freshwater biomes, wetlands; **Ecosystems:** environment; population; habitat; food chain; food web; predator and prey; energy pyramid; competition; adaptation; migration; hibernation; symbiosis; instincts; learned behaviors; cycles (seasons, carbon, nitrogen, water); stresses (fires, floods, droughts, man-made); succession; native and invasive species; extinction; endangered species.

#### Human Body

**Respiratory system:** nose; pharynx; larynx; vocal cords; trachea; bronchi; lungs; inhaling; exhaling; breathing muscles; asthma and other breathing difficulties; dangers of smoking; **Circulatory system:** heart; arteries; veins; capillaries; blood cells; blood types; donating blood; excretory system.

#### Physical Science

##### Energy

**Heat:** potential and kinetic energy; thermal energy; temperature; changing states of matter; thermal expansion; conduction; convection; radiation; fuel; unwanted heat; applications to space technology; **Sound:** sound waves; frequency; speed; pitch; volume; timbre; echoes; ultrasound; music; acoustics; **Light:** electromagnetic waves; properties of waves; visible spectrum; refraction; reflection; colors; mirrors; lasers; electromagnetic spectrum.

### Matter

**Measuring matter:** volume; mass; weight; density; **States of matter:** solids, liquids, and gases; **Physical changes:** melting, freezing, vaporization, boiling, evaporation, condensation; **Atoms and molecules:** identifying atoms, molecules, elements, and compounds; **Mixtures:** evenly and unevenly mixed mixtures; characteristics of solutions.

### SPELLING 5



### 32 Weekly Word Lists

Word lists: 20 pattern words, 5 review words; Interactive study method.

### Generalizations

Phonics generalizations: review of long, short, and r-influence vowels sounds; diphthongs; reliable patterns in multi-syllable words; unstressed syllable vowel patterns; Structural generalizations: compound words, inflectional suffixes, prefixes, derivational suffixes; Suffix rules: no change to the base word, doubling the final consonant, dropping the final e, changing y to i.

### Word Study

Word sorting: classifying words based on shared features; Word building: forming words by manipulating patterns, syllables, affixes; Word-meaning: using a word in context of meaning (definitions, synonyms, antonyms, homophones, homographs, categories, analogies).

### Proofreading

Spelling awareness: identifying the correct spelling for a given word, identifying and correcting misspelled words in sentences or passages; Standardized-test practice.

### Dictionary Skills

Location skills; Alphabetical order to the fourth letter: alphabetizing words between guide words; Use of the pronunciation key; Use of a dictionary entry: entry word, pronunciation, word forms, definitions, sample sentences, etymology; Syllable division: base words and affixes, two-syllable vowel-consonant patterns, unstressed syllables; Accenting syllables: compound words, words with affixes, syllable patterns, accent changes in homographs.

### Writing Application

Dictation sentences in weekly tests; Real-life writing application.

### BIBLE

#### Elementary School Bible Curriculum By Summit Ministries

Building on the Rock lays the groundwork of worldview education for the youngest students.

- Helps young ones understand relationships with the Creator, each other, ourselves, and creation.
- Easy to teach with colorful, fun lessons.
- Crafted for all learning styles.