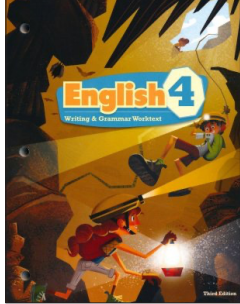


### ENGLISH 4



#### Parts of Speech

Noun: common, proper, singular, plural, possessive, abstract, collective; Verb: action, linking, helping, simple tenses, progressive tenses, irregular verbs, frequently confused verbs; Pronoun: personal pronouns, correcting unclear pronouns, courtesy order, indefinite pronouns, reflexive pronouns, relative pronouns; Adjectives: articles, demonstrative adjectives, proper adjectives, order of adjectives, comparative, superlative; Adverb: comparative, superlative, relative adverbs; Preposition; Conjunction.

#### Sentence Structure

Sentence; fragment; compound sentence; complex sentence; Subjects and predicates: complete, simple, and compound; Phrase, dependent clause, independent clause; Diagramming.

#### 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

Shared writing; Paragraph development; Writing process: plan, draft, revise, proofread, publish; Writing conference with teacher and peer; Graphic organizers: word web, events/details chart, opinion, chart, plot pyramid, T-chart, timeorder chart, Venn diagram; Proofreading marks; Using a thesaurus; Checklists for self-assessment; Rubrics for summative assessment.

#### Writing Projects

Poetry: acrostic poem; Opinion: book review; Narrative: realistic story, tall tale; Informative: compare-contrast essay, research report

#### Study & Reference 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 Skills

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

#### Biblical Worldview

Communication in relation to Creation, Fall, Redemption using the themes of Source of Language, Truth, Goodness, and Craft.

### HISTORY-HERITAGE STUDIES 4



#### Focus

Developing a biblical worldview through the study of American history (end of Civil War to end of World War II).

#### Geography

Map skills: hemispheres, equator, latitude/longitude, and prime meridian; Natural resources; climates; Regions.

#### World History

World War I; World War II.

#### American History

Indians; The fifty states (states, history, landmarks); Inventions: communication, transportation; American Industrial Revolution; Spanish-American War; American expansion and urbanization; Territories.

#### Government

Branches of American government; Voting; Citizenship.

#### Economics

Stock market; Supply and demand.

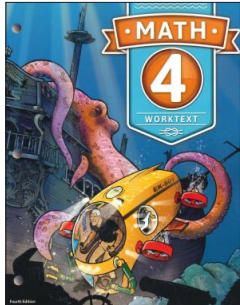
#### Culture

Languages; Adjustment of immigrants in America; Evangelism and missionary work.

#### Social Studies

Cause and effect; Timeline; Primary sources.

### MATH 4



#### Number Sense

Recognize and write 0–100,000,000 with numerals and words; Roman numerals' I–XXXIX

#### Number Patterns

Ordinals; first through ninety ninth; order; number line; 10 more/10 less; Place value: ones to hundred millions; expanded form; even/odd numbers; round to the nearest ten, hundred, one thousand; compare with  $>$ ,  $<$ , and  $=$

#### Counting

Count by 1s, 2s, 5s, 10s, 100s, 1,000s, 10,000s; count by 2s to 20, by 3s to 30, by 4s to 40, by 5s to 50, by 6s to 60, by 7s to 70, by 8s to 80, by 9s to 90

#### Addition

100 basic facts; fact families; six-digit addends; vertical form; rename 10 ones as 1 ten to 10 one thousands as 1 ten thousand; Strategies; word problems; money; Commutative property, associative property, identity property

#### Subtraction

100 basic facts (using strategies); fact families; six-digit minuend and subtrahend; rename 1 ten as 10 ones to 1 ten thousand as 10 one thousands; Strategies; word problems; money; take-away, comparison; missing addend; unknown part; Zero principle

#### Multiplication

110 basic facts; fact families; multiples; repeated addition; arrays; number line; equations; vertical form; one-digit factors; one digit times two to four digits; two digits times two or three digits; renaming; strategies; word problems; Commutative property, associative property, identity property, zero property, multiplication, addition principle

#### Division

110 basic facts (using strategies); fact families; equal sets; repeated subtraction; measurement; partition/ strategies; equation; round the division; adjust the quotient; division frame; word problems; finding averages; computation: two to four digits by one digit; two to three digits by two digits; one to two digit remainders; divisibility rules

#### Algebra Readiness

Equations; missing addend; missing factor; negative numbers; function tables; variables

#### Fractions

Part of a whole; part of a set; add and subtract like fractions and mixed numbers with like fractions; rename improper fractions; Equivalent fractions; compare; order

#### Decimals

Read and write tenths and hundredths; mixed numbers; compare; order; add and subtract; rename 10 tenths as 1 one and 10 hundredths as 1 tenth; word forms; money; word problems; round to nearest whole.

#### Geometry

Plane figures: circle, polygon, square, triangle, rectangle, pentagon, parallelogram, rhombus, hexagon, octagon; edge, vertex; slides, flips, turns; Solid figures: sphere, cube, cylinder, cone, rectangular prism, square prism, triangular prism, rectangular pyramid, square pyramid, triangular pyramid; face, edge, vertex, curved surface; Lines: horizontal/vertical, parallel/ intersecting, segments; points; rays; angles: right, acute, obtuse; Symmetry; similar; congruent; Circle: radius, diameter; Perimeter; area; complex area; volume; patterns.

#### Estimation

Round to nearest ten, hundred, and one thousand, one million; Round for addition, subtraction, multiplication, and division; Length; distance; capacity; weight; mass.

#### Measurement

Length:  $\frac{1}{4}$  and  $\frac{1}{2}$  inch, foot, yard, mile; centimeter, meter, kilometer, millimeter; Capacity: cup, pint, quart, gallon; milliliter, liter; Weight: ounce, pound, ton; Mass: gram, kilogram; Temperature: Fahrenheit; Celsius; Time: to one-minute interval; past and future elapsed time to five-minute interval; before/ after the hour; a.m./p.m.; noon/ midnight; Calendar: date, future date; schedule; Money: coins; one-, five-, ten-, and twenty-dollar bills; dollar sign; decimal point; addition; subtraction; multiplication; division.

#### Problem Solving

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

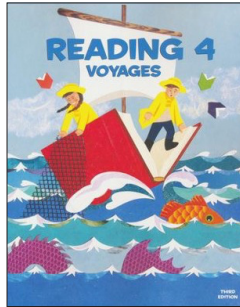
#### Data

Pictograph; bar, line, circle, and coordinate graphs; Tables; charts; tallies; line plot; stem-and-leaf plot; Mean, median, mode, range, frequency.

#### Calculators

Addition; subtraction; division.

### READING 4



#### Word Recognition

Optional remedial phonics.

#### 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; Place/size/time relationships, relevant/irrelevant information, facts/opinion, main idea, dialect, discernment, sense of history; Biblical discernment and cultural awareness.

#### Literature

Reading a variety of genres: realistic fiction, historical fiction, Christian fiction, mystery, biography, autobiography, narrative nonfiction, informational text, procedural text, proverbs, parables, psalm, Bible account, fantasy, folktale, fable, tall tale, myth, poetry, reader's theater, play; Main character, character motives, traits, background, and development; Setting, plot, theme, cause and effect, climax, point of view, conflict, foreshadowing, irony, moral, mood, suspense, good/evil elements, humor, symbol, word play, main idea and supporting details, worldview; Imagery, personification, onomatopoeia, metaphor, simile, exaggeration, dialect, palindrome; Poetry: free verse, haiku, limerick, acrostic, shape poems; rhyme, rhythm.

#### Study Skills

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

#### Fluency

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

#### Composition

Metaphor, simile, haiku, limerick, acrostic, folktale ending, letter, journal entry, research writing, interview.

### SCIENCE 4



#### General Science

Science Inquiry Skills; Science safety tips; Science tools; Scientific investigation; Scientific variables; Modeling in Science; STEM: The Engineering Design Process.

#### Life Science Living Things

Plant Structures and Functions: internal and external structures, photosynthesis, adaptations, origin of thorns, uses of plants, response to stimuli; Plant Reproduction: flowering plants, parts of a flower, pollination, seed structure, seed dispersal, plant life cycle, other methods of plant reproduction; Invertebrates: arthropods, insects, internal and external structures, protection, defenses, ways of eating, life cycles, metamorphosis, social insects; Vertebrates: internal and external structures, defenses, body systems, adaptations, response to stimuli.

#### Human Body

Digestive system: digestive tract and digestive process; Nutrition: proteins, fats, carbohydrates, vitamins, minerals, healthy diet planning; Skeletal and muscular systems: skeleton, parts of bones, joints, ligaments, tendons, cartilage, muscles, injuries; Eyes: parts of the eye, path of light through the eye, vision correction; Ears: parts of the ear, path of sound through the ear, hearing correction.

#### Physical Science Energy and Waves

Energy and motion: potential and kinetic energy, energy transfer, collisions, force, weight, speed, motion; Energy and work: energy, forces, friction, gravity, work, simple machines (lever, wheel and axle, pulley, inclined plane); Waves: wave energy, characteristics of waves, wave patterns (circular, transverse, and longitudinal), measuring wavelengths; Light: origin of light, properties of light, light and matter (luminous, nonluminous, transparent, translucent, opaque), light waves, visible spectrum, reflection, refraction, lens; Sound: sound waves, vibrations, amplitude, wavelength, characteristics of sound (pitch, volume, timbre), sound and matter (speed, temperature, absorption, reflection), history of information transfer, digital communication.

#### Earth Science Earth's Waters

Water and oceans: water cycle, surface waves, energy transfer, deep ocean currents, surface currents, conservation of water, ocean floor, ocean zones, ocean creatures, bioluminescence, ecosystems in the ocean.

#### Earth's Surface

Landforms and Changes: rocks and minerals, physical and chemical weathering, soil, erosion and deposition, past and present changes to the earth's surface, landforms, maps; Natural Hazards: plates, plate boundaries, faults, causes of earthquakes, reducing impact

of earthquakes, tsunamis, floods (local, regional, worldwide), volcanoes, dangers of volcanoes, maps; Natural Resources: renewable resources (soil, water, trees, animals), renewable energy resources (hydroelectric, wind, solar), nonrenewable resources (minerals and fossil fuels), choosing energy resources, conservation (reduce, reuse, recycle).

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## SPELLING 4



### 32 Weekly Word Lists

Word lists: 16 pattern words, 2 challenge words, 2 review words; Interactive study method.

### Generalizations

Phonics generalizations long, short, and r-influence vowels; Sounds; diphthongs; reliable patterns in two-syllable words; unstressed-syllable vowel patterns; Structural generalizations: compound words, inflectional suffixes, prefixes, derivational suffixes; Suffix rules: no change to the base words, 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 the 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; Syllable division: base words and affixes, two-syllable vowel-consonant patterns, unstressed syllables; Accenting syllables: words with affixes, syllable patterns.

### Writing Application

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