



SIXTH GRADE

BJU Press Bible 6



- An introduction to the concept of worldview that encourages students to think about the way they think (metacognition)
- Introduces students to the parts of a worldview: the big story of the world; the beliefs and values that come out of that big story; and the resulting actions of both individuals and cultures.
- Uses the Bible to answer the worldview questions: Where did I come from? Why am I here? What's wrong with the world? What can make it right? Where am I headed?
- Encourages students to evaluate non-biblical worldviews in light of the Scriptures
- Helps students understand their identity in God's big story—created in the image of God, fallen in Adam, and redeemable in Christ
- Encourages students to obey the Creation Mandate and the Great Commandments to love God and their neighbor
- Encourages student to strengthen society through their relationships with their families, friends, and communities

- Equips students to deal with other worldviews and religions with answers from the biblical worldview

BJU Press Science 6

4th Edition



• Process skills, science tools, scientific method

EARTH SCIENCE Earth

- **Earthquakes:** faults, causes, recording and interpreting data from earthquakes
- **Volcanoes:** causes, locations, classifying by shape and eruption, effects and products of volcanoes
- **Weathering and erosion:** types and examples of mechanical and chemical weathering, agents of erosion, types of erosion
- **Soil:** particles and texture of soil, formation, horizons
- **Natural resources:** renewable and nonrenewable energy, gymnosperms, angiosperms, parts of a plant
- **Plant and animal reproduction:** parts of a flower, pollination and fertilization, types of fruit, seeds, spores, asexual reproduction, gestation, placental and marsupial mammals, eggs, parental care
- **Genetics:** heredity, traits, DNA structure, Mendel's experiments, dominant and recessive genes, Punnett squares, genetic disorders and diseases, genetic engineering

resources (fossil fuels, nuclear energy, hydroelectric energy, geothermal energy, wind energy, solar energy), minerals, metals, soil conservation, water; reduce, reuse, recycle

Space

- **Stars:** magnitude, size, distances between, kinds of stars, constellations, star groups, asteroids, meteoroids, comets, telescopes, spectroscopes
- **Solar system:** parts of the sun, solar storms, seasons, the planets, dwarf planets, eclipses, space exploration, satellites, probes

Human Body

- **Nervous system:** central nervous system, the brain, the peripheral nervous system, neurons, reflexes, the five senses, memory, sleep, disorders, drug abuse, endocrine system
- **Immune system:** communicable and noncommunicable diseases, pathogens, vectors, epidemics, nonspecific responses, the immune response, functions of white blood cells, immunity, antibiotics, antibodies, autoimmune diseases, allergies, transfusions and transplants, immune deficiencies
- **Motion and machines:** velocity, acceleration, momentum, work,

LIFE SCIENCE Living Things

- **Cells and classification:** characteristics of living things, cell theory, tissues, organs, systems, cell reproduction, six kingdoms of classification, scientific names, microscopes
- **Animal classification:** invertebrate phyla (Porifera, Cnidaria, echinoderms, mollusks, worms, arthropods), vertebrates (fish, amphibians, reptiles, birds, mammals)
- **Plant classification:** nonvascular plants (mosses and liverworts), seedless vascular plants (ferns, horsetails, and club mosses),

PHYSICAL SCIENCE Motion

Newton's laws of motion, simple machines, compound machines

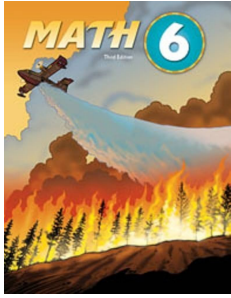
Energy

- **Electricity:** static and current electricity, types of circuits, measuring electricity, batteries, magnetism, electronics, integrated circuits, computers

Matter

- **Chemistry:** parts of an atom, atomic theory, classifying elements, periodic table of the elements, compounds, chemical formulas, chemical reactions, atomic bonds, acids and bases

BJU Press Math 6



Number Sense

- Recognize and write 0–100,000,000,000 as numerals and words; Roman numerals I–C
- Place value: ten thousandths to hundred billions; comparing; expanded form; even/odd, positive/negative, prime/composite numbers; number line; expressions and equations
- Part-whole relationships; inverse operations

Addition & Subtraction

- Basic facts (fact families and other strategies); nine-digit column addition
- Mental compensation
- Properties: commutative, associative, identity; zero principle

Multiplication

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

Division

- Basic facts (fact families and other strategies); equal sets; measurement/partition; fraction form; equations; mental division by 10; two to four digits by one or two digits; remainders; mixed number and decimal quotients; decimal equivalent for a fraction

Equations

- Inverse operations; compensation; simplify expressions; evaluate expressions; if-then statements; solve for an unknown

Pre-Algebra

- Missing addend/subtrahend/ minuend/factor; add, subtract, multiply, and divide integers; positive/negative numbers
- Variables in expressions and equations; solve for a variable in an equation

Fraction

- Part of a whole; part of a set; equivalent fractions; comparing; ordering; lowest terms; renaming improper fractions and mixed numbers
- Add, subtract, multiply, and divide like and unlike fractions; cross-products; cancellation; pictorial representations or journal entries to express understanding of operations

Decimal

- Read and write tenths, hundredths, thousandths; write as fractions and mixed numbers; comparing; ordering; renaming to thousandths; word forms
- Add and subtract
- Multiply a decimal by a whole number, by a decimal, and by a power of 10
- Divide a decimal by a one-digit whole number; divide a whole number by a whole number with a decimal quotient; divide to rename a fraction as a decimal; divide a decimal by a power of 10

Geometry

- Points; lines: parallel, intersecting, perpendicular; line segments; rays; symmetry; similar/congruent; constructions; angles: right, acute, obtuse; measure angles; sum of angles in a triangle = 180°
- Plane figures: regular/irregular; polygons; triangles: scalene, isosceles, equilateral; quadrilaterals; parallelograms; transformations: translation, reflection, rotation; perimeter; 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, circumference

Estimating

- Round whole numbers and decimals to a given place; round fractions to the nearest half or whole; front-end estimation

- Round to estimate a sum, difference, product, and quotient

Measurement

- Length; capacity; weight; mass
- Temperature: Fahrenheit; Celsius
- Time: elapsed time; time zones; timeline; 24-hour clock; wages
- Rename within the metric and customary systems to add, subtract, multiply, and divide

Problem Solving

- Graphs; tables; charts; schedule; map skills; probability; money; Venn diagram
- Using a problem-solving plan; multistep problems; problems with too little or too much information; group planning
- Strategies: patterns; logic; guess and check; diagram/model; simpler problem; formulas; working backwards; writing an equation

Statistics & Graphs

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

Ratios, Proportions, Percents

- Equivalent ratios; unit rate; scale drawings; map scale
- Percents as fractions and decimals; writing fractions and decimals as percents; comparing percents to decimals and fractions; finding the percent of a number; determining the sales price given a discount as a percent
- Proportionate geometric figures

Additional content

- Introduction of speed, distance, and time; unit multipliers; comparing types of graphs, independent and dependent events; patterns; squares and square roots; Roman numerals through M (1,000); additional multistep problems

Heritage Studies

4th Edition



Focus

- Developing a Christian worldview of ancient civilizations (Creation to AD 1500)

Geography

- Map skills
- Climate; natural resources
- Topography
- Comparison of characteristics of ancient civilizations with the modern regions

World History

- Historical events
- Conflicts between nations
- Archaeological findings

Government

- Empires and kingdoms
- Rulers
- Development of cities

Economics

- Trade
- Currency
- Job specialization

Culture

- Religions and philosophies
- Ancient customs and traditions
- Languages
- Arts and music
- Food and clothing

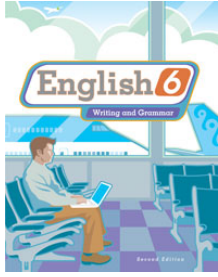
American History

- Ancient influences on American government and economy

Social Studies Skills

- Cause and effect
- Timeline
- Costs and benefits
- Primary sources

BJU Press English 6



Parts of Speech

- Noun: common, proper, singular, plural; abbreviation; appositive; singular and plural possessive; English words from Greek root words; as subjects, objects
- Verb: principal parts; past, present, and future tenses; perfect tenses
- Pronoun: subject, object, possessive, reflexive, intensive, interrogative, demonstrative, indefinite; with antecedent
- Adjective: article, proper, demonstrative, predicate adjective
- Adverb: comparative, superlative
- Preposition; conjunction: coordinating, subordinating; interjection

Sentence Structure

- Sentence: fragment; run-on; simple, compound, complex; declarative, interrogative, imperative, exclamatory
- Complete subject and predicate; simple subject and predicate; compound subjects and predicates

- Dependent and independent clauses; introductory prepositional phrases; sentence patterns; diagramming

Conventions

- Capitalization: proper nouns, proper adjectives, abbreviations, initials, titles
- Punctuation: period, question mark, exclamation point, comma, apostrophe

Usage

- Homophones; pronoun reference; subject/verb agreement; contractions; often-confused verbs; double negatives; misplaced modifiers; prefixes; suffixes

Writing Skills

- Writing process: plan, draft, revise, proofread, publish
- Writing traits: ideas, organization, word choice, conventions
- Organizational tools: events/details chart, outline, persuasive chart, planning chart, plot diagram, time-order chart, Venn diagram, word web; bibliography; outline

- Rubric for self-assessment
- Proofreading marks to improve writing and make corrections
- Using a dictionary
- Using a thesaurus; avoiding propaganda tactics

Writing Projects

- Shared writing
- Independent writing
- Paragraph development
- Poetry: limerick, free verse
- Personal narrative, newspaper editorial, instructions, research report, historical fiction, compare-contrast essay, cover letter

Study and Reference Skills

- Reference skills: parts of a book (title page, table of contents, index, glossary, bibliography)
- Dictionary skills: guide words, parts of an entry, multiple definitions
- Study skills: taking notes, outlining

Listening-Speaking Skills

- Speaking skills: oral publishing for written instructions

BJU Press Spelling 6



32 Weekly Word Lists

- Word lists: 25 words (20 pattern words, 5 review words)
- Interactive study method

Generalizations

- Phonics generalizations: reliable patterns in multisyllable words, including review of previously learned vowel and consonant patterns; 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*
- Etymology: Greek word parts; Latin prefixes, roots, and suffixes

Word Study

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

Proofreading

- Spelling awareness: identifying and correcting misspelled words in sentences or passages
- Standardized-test practice

Dictionary Skills

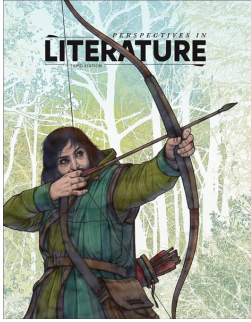
- Alphabetical order: alphabetizing words between guide words
- Use of the pronunciation key

- Use of a dictionary entry: entry word, pronunciation, parts of speech, word forms, definitions, sample phrases or 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 shifts in homographs and derivations

Writing Activities

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

BJU Press Perspectives in Literature



Vocabulary

- Vocabulary review
- Meaning from context; synonyms; antonyms; analogies; Greek roots; parts of speech

Comprehension

- Literal and higher-order levels
- Sequence; classify; compare and contrast; cause and effect; problem and solution
- Connections: text to world, text to text, text to self
- Make inferences; draw conclusions; predict outcomes; evaluate; summarize; analyze
- Self-monitor; preview text; facts/opinions; main idea and supporting details; historical context
- Biblical discernment; author's worldview; cultural awareness

Literature

- Various genres: allegory, autobiography, Bible account, biblical epistle, biography, fable, fantasy, folktale, historical fiction, humorous essay, humorous fiction, informational text, legend, memoir, mystery, myth, narrative

- nonfiction, oral history, poetry, realistic fiction, science fiction, social novel, speech, tall tale
- Main character; character emotions, motives, responses, traits; developing/static characters; compare and contrast characters
- Setting; plot; internal/external conflict; point of view; foreshadowing; moral; mood; tone; suspense; resolution; theme; symbolism; wordplay; thesis statement; rhetorical questions
- Author and illustrator biographies; Newbery awards
- Idiom; personification; exaggeration; hyperbole; allusion; imagery; understatement; irony; satire; extended metaphor; dialect
- Poetry: biblical poetry, hymns, free verse, haiku, narrative poems, rhyme, rhythm

Study Skills

- Glossary; Bible study; nonprint media; primary sources; graphic organizers
- Skimming; scanning; text structure; annotating; summarizing;

topic sentence; listening strategies; close reading

- Maps; diagrams; graphs; charts; timelines; tables

Fluency

- Silent reading: for information, entertainment, understanding, spiritual growth, author's message, biblical truth
- Oral reading: communicating author's message; communicating mood, motive, meaning, emotion; interpreting dialect; choral reading; voice expression

Book Reports

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

Composition

- Use the writing process for explanatory essay, personal application essay, friendly letter, argumentative essay, motivational video script
- Personal narrative, poem, journal entry, response paragraph