



Scope & Sequence

Overview by Subject
2021



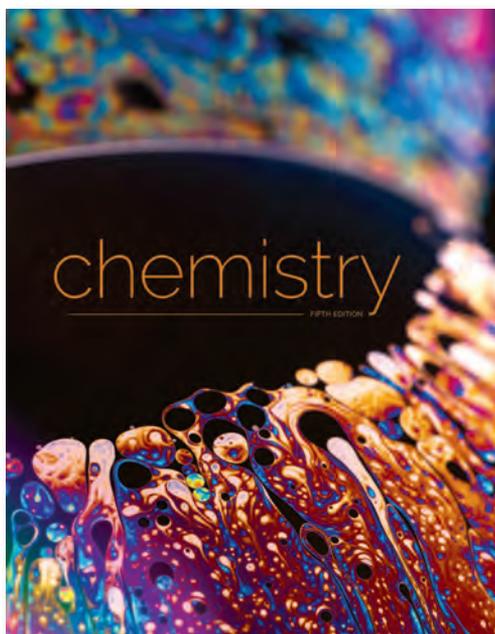
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On the cover:
Chemistry



Integrate Our Textbooks by Using Curriculum Trak

BJU Press is offering two new ways to make it easier to integrate our textbooks into your curriculum!

1

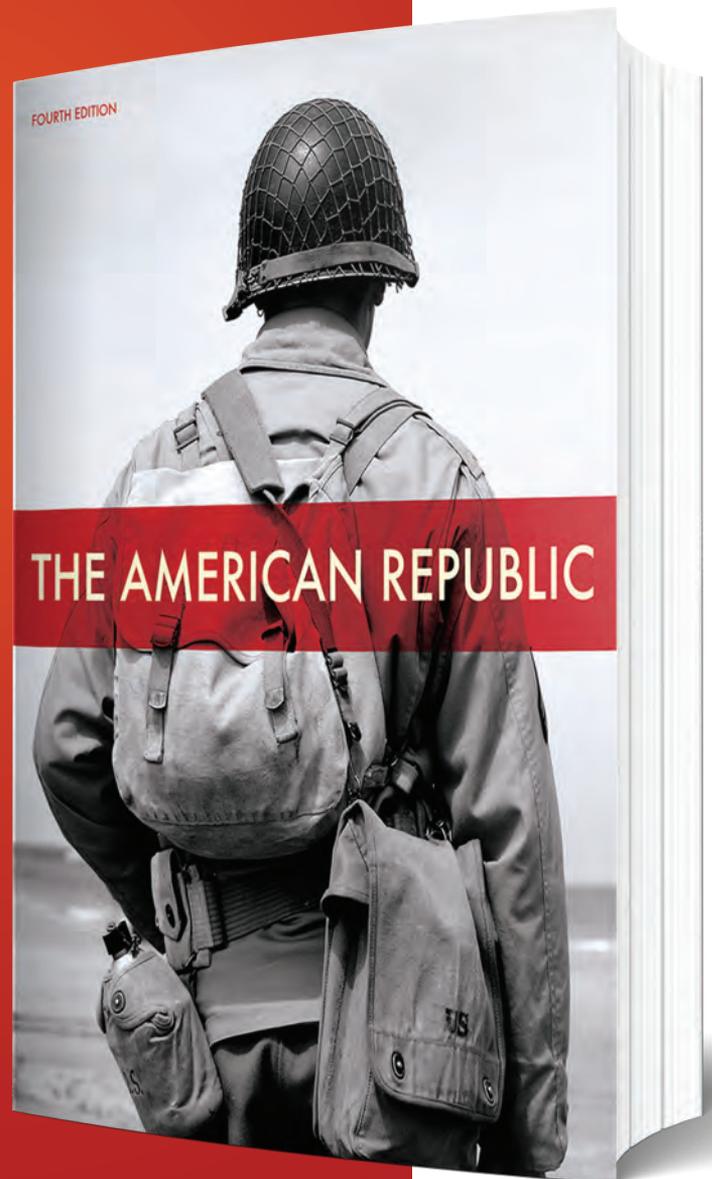
Course Maps of
BJU Press Materials,
objectives, resources,
and strategies

2

Create your own
custom curriculum
maps with Curriculum
Trak Software

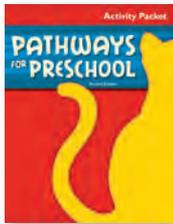
We have partnered with Curriculum Trak to create detailed maps of our materials. These maps give all objectives, topics, resources, biblical integration concepts, and instructional strategies for each textbook. Find BJU Press curriculum maps at bjupress.com/go/curriculum-maps

Curriculum Trak offers software designed for schools to easily build your own custom curriculum maps. Learn more about CT software at curriculumtrak.com



Preschool

K3 Pathways for Preschool 2nd Edition



Circle Time: In the Big Red Barn

- Large-group activity
- Language and vocabulary skills

Prereading: A-B-C Time

- Print awareness
- Letter recognition
- Auditory discrimination

Prereading: Colors Are Fun!

- Color recognition

Prereading: Rhyme Time

- Language expression
- Auditory discrimination
- Dramatizations

Listening and Literature: Once Upon a Time

- Tales in the Barnyard stories

- Read-aloud suggestions
- Listening skills and visual memory

Premath: 1, 2, 3, Go!

- Counting and number recognition
- Sorting and sequencing

Premath: Look Up, Look Down

- Opposites and positional words

Premath: Show Me a Shape

- Shape recognition
- Large motor-skill development
- Following directions
- Creative movement

Environment: Let's Discover!

- Science and observation skills

- Hands-on learning

Arts: Let's Create!

- Creative expression
- Hand-eye coordination

Music: Sing with Me

- Singing and listening
- Moving and playing

Motor: A Hop, Skip, and a Jump

- Social interaction

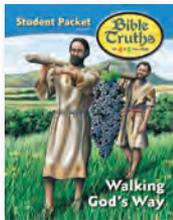
Social: Happy Habits

- Manners, habits, and social training

Cooking: Yummy in My Tummy

- Cooking and following directions
- Sensory and language experiences

K4 Bible Truths 2nd Edition



Bible Content

- Topical Bible study in 13 units
- Character traits based on Christ's perfect example
- Bible stories from Old and New Testaments illustrate character traits: obedience (David), courage (Esther), kindness (Elisha), responsibility (Joseph), thankfulness (Timothy), contentment

(Paul), generosity (the wise men), honesty (Paul's nephew), prayer (Elijah), forgiveness (Jesus), trust (Noah), respect (Josiah), and patience (Abraham).

Character Emphasis

- Character traits emphasized in application stories show children their need of Christ as Savior and demonstrate ways to apply

biblical principles to personal life situations.

Bible Truths for Christian Growth

- 13 questions and answers correlated with Bible content

Memory Verses

- 13 verses

K4 Footsteps for Fours 3rd Edition



NEW

Prereading

- Language acquisition and development
- Recognition of alphabet letters
- Phonemic awareness of alphabet sounds /a/ to /z/
- Letter-sound recognition of medial short-vowel sounds; initial and final consonants
- Optional beginning reading strand for eager learners

Listening and Literature

- Traditional literature; realistic and fanciful prose and poetry; nursery rhymes
- Vocabulary development and enrichment
- Auditory memory; sound by direction, pitch, tempo, and volume; rhyming words
- Listening questions to develop comprehension
- Dictation of group writing experiences; sentence completions; story sequencing

Handwriting

- Correct posture, pencil hold, and paper placement
- Prewriting skills; finger tracing and pencil tracking of left-to-right, vertical, horizontal, diagonal, zig-zag, and curved lines
- Uppercase and lowercase PreCursive alphabet; numbers 0-12

Mathematics

- Number recognition 0-20; counting to 100; shape recognition; pattern sequencing; color sequencing
- Calendar, clock, coins, measurement, dot patterns, number sets, number line, ordinals, fractions
- Position words

Social Studies

- Concepts of God's plan for the child and his family
- Patriotism, patriotic symbols, holidays
- Community helpers, transportation

Science

- Environment: seasonal changes of plants and animals; animal families and animal homes
- Hands-on: experiments, cooking, weather, space, and magnets

Art

- Art suggestions and craft activities correlated with unit themes

Motor

- Fine and gross motor development activities; games, action rhymes, and action songs

Music

- Songs, rhymes, and musical games
- Additional music strand to complement lessons through movement, rhythm instruments, retelling of stories, games, and songs



Focus on Fives 4th Edition



LANGUAGE ARTS Prereading

- Print awareness: left-to-right eye progression; visual discrimination; visual memory
- Reasoning; classifying; sequencing size and shape relationships
- Rhyming; awareness of author; picture reading
- Listening comprehension
- Comparing
- Following directions; perceiving concepts, such as up/down, hard/soft
- Alphabet recognition: phonemic awareness

Phonics and Word Perception

- Units 1–3: Letter-sound association—consonants and short vowels; words with closed syllable phonograms (examples: *_it_*, *_at_*); plural words with *s* and *es*; compound words; possessive words
- Units 4–6: Letter-sound association—consonant blends

and digraphs, long vowels; *r*-influenced vowels; special vowel combinations; vowel patterns for long vowels (examples: *_oke_*, *_o_*, *_oat_*)

Early Reading Skills

- Comprehension
- Predicting outcomes; answering questions after silent reading; sequencing events; developing vocabulary
- Perceiving relationships; distinguishing reality from fantasy
- Matching words and pictures; matching sentences and pictures; reading short stories
- Oral communication and oral reading
- Discussion; action rhymes; pantomime; retelling stories; reading phonics stories orally

Composition

- Dictating sentence ideas for individual composition; completing sentence starters

Handwriting

- Letter formation; principles of slant; alignment; spacing; pencil hold; posture

RELATED ARTS Art

- Drawing; painting; making crafts to match the unit themes of the lessons (examples: puppets, papier-mâché pig)

Motor Skills

- Encouraging fine-motor skills through prewriting activities, fingerplays, cooking and Learning Center activities, and student activity worksheets
- Developing gross-motor skills during simple games and group activities

Music

- Traditional and piggyback songs; music games

HERITAGE STUDIES

- Geography: US landmarks; history: Native Americans, colonial life; culture: families, community helpers, Hispanic culture, Bible times, farming, American celebrations

SCIENCE

- Appreciating God's creation
- Learning about birds, bugs, magnets, seasons, water, human bodies, weather, rocks, oceans, sun, moon, plants, and animals
- Experiencing hands-on activities

READING

Word Recognition

- Application of phonics concepts presented in K5 phonics lessons
- Readers 1–16—short vowels, single consonants
- Readers 17–34—short vowels, consonant blends and digraphs, long vowels, *r*-influenced vowels, special vowels
- Word families; high-frequency words; compound words; words with suffixes

Comprehension

- Picture reading
- Questioning to develop higher-order thinking skills
- Predict text; make inferences; draw conclusions; predict outcomes
- Compare; sequence events; follow directions

Vocabulary

- Meaning from context

Literature

- Read a variety of genres: family stories, informational articles,

fanciful animal stories, poetry, Bible accounts, and realistic fiction

- Distinguish reality from fantasy

Silent Reading

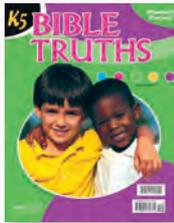
- Reading for specific information; reading for author's message

Oral Reading

- Communicate message of the author; communicate in a natural manner
- Portray a character
- Respond to punctuation: period, exclamation point, question mark, quotation marks

Bible Truths

Updated 2nd Edition



Bible Content

- Chronological and topical study of the Old and New Testaments
- Bible characters include Noah, Abraham, Joseph, Moses, Joshua through Jonah, and Christ.
- Topics include Creation, learning about the Bible, the life of Christ, prayer, and missions.
- Lessons for Thanksgiving, Christmas, and Easter

Character Emphasis

- Character traits emphasized in application stories correlated with biblical content

Catechism

- 50 questions correlated with biblical content

Memory Verses

- 25 verses or passages

Math

4th Edition



Numeration

- Identify numbers 0–100
- Write numbers 0–100

Number Sense

- Compose/decompose numbers
- Identify ordinal positions: first–tenth; first, next, last
- Determine order: before, after, between
- Find patterns in numeration
- Develop place value: tens and ones
- Identify teen numbers as 10 and some more

Counting and Cardinality

- Count and make sets to 20
- Count to 100 by 1s and 10s
- Count on from any given number to 100
- Represent the quantity of a number using manipulatives or by drawing a picture

Whole Number Operations: Addition & Subtraction

- Sums to 10: join sets; count on; compose/decompose numbers
- Count back differences to 10; take apart; unknown part
- Represent addition/subtraction sentences with pictures (manipulatives, draw, act out)
- Write addition/subtraction sentences (equations)
- Solve word problems
- Tell a story for a number sentence
- Explain the sum or difference

Algebra Readiness

- Understand part-whole relationship
- Correlate the relationship between addition and subtraction

Equal Parts of a Whole (Fraction Concepts)

- Count equal parts in a whole
- Distinguish between equal parts and unequal parts
- Partition a whole into equal parts

Geometry

- Describe attributes of plane shapes: circle, square, triangle, rectangle in various orientations
- Describe attributes of solid figures: ball shape (sphere), can shape (cylinder), box shape (rectangular solid, cube), cone shape (cone)
- Construct shapes with manipulatives
- Identify spatial relationships: top, middle, bottom; left, right; over, under; inside, outside; on, off; front, back
- Extend and construct patterns (color, shape, size)

Estimation

- Number of objects
- Length: longer, shorter
- Weight: weighs more, weighs less
- Capacity: holds more, holds less
- Time: more time, less time

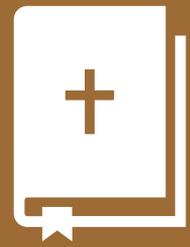
Measurement and Data

- Sort and classify objects by attributes (number, color, size, shape)
- Compare measurable attributes: length (longer/shorter), height (taller/shorter), weight (heavier, lighter), capacity (more, less)
- Measure: nonstandard units and inches; more than one attribute
- Determine temperature: hot, cold
- Tell time: read and write time to the hour; daytime, nighttime; sequence events; more time, less time
- Read a calendar: days of the week; months of the year; yesterday, today, tomorrow; seasons
- Identify and count pennies

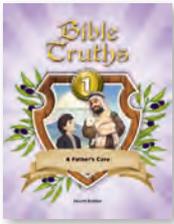
Problem Solving

- Solve word problems by using manipulatives, drawing pictures, or acting out situations
- Write and solve number sentences (equations)

Bible



Grade 1 Bible Truths A Father's Care 4th Edition



Bible Content

- Chronological and thematic study of the Old and New Testaments
- Historical figures including Noah, Abraham, Moses, Jesus, Peter, and Paul
- Themes including God keeps His promises, God's guidance, God's care, God gives strength, the Bible, and prayer
- Lessons for Thanksgiving, Christmas, and Easter

Bible Study Skills

- Using the contents page of a Bible to locate a verse

Character Emphasis

- Character traits used in application stories show students their need of Christ as Savior and ways to apply biblical principles to personal life situations

Bible Truths for Christian Growth

- 75 of the complete set of 164 questions correlated with 10 biblical themes

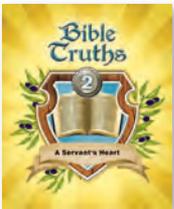
Memory Verses

- 36 verses or passages

Hymns

- 10 songs, each accompanying a unit theme

Grade 2 Bible Truths A Servant's Heart 4th Edition



Bible Content

- Integrates doctrine into a chronological and thematic study of the Old and New Testaments
- Historical figures including Noah, Abraham, Gideon, Samson, Nehemiah, Ruth, Esther, Daniel, Dorcas, Paul, and Jesus
- Themes including God as King, obedience, humility, serving, forgiveness, giving, thankfulness, surrender, stewardship, courage, faith, faithfulness, zeal, priorities, loyalty, joy, and evangelism

Bible Study Skills

- Understanding parts of a verse
- Interpreting meaning
- Using a Bible glossary
- Using the contents page of a Bible

Character Emphasis

- Character traits used in application stories show students their need of Christ as Savior and demonstrate ways to apply biblical principles to personal life situations

Christian Living Application

- Discussion questions used throughout to clarify understanding and aid in thoughtful application of biblical virtues
- Highlights heroes of the faith

Bible Truths for Christian Growth

- 89 of the complete set of 164 questions and answers correlated with appropriate biblical themes

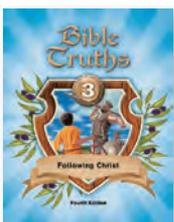
Memory Verses

- 36 verses or passages

Hymns and Songs

- 10 songs, each accompanying a unit theme; 20 more to choose from

Grade 3 Bible Truths Following Christ 4th Edition



Bible Content

- Integrated doctrine through a chronological and thematic study of the Bible emphasizing application
- Historical figures including Cain, Abel, Seth, Job, Lot's wife, Korah, Elijah, Jesus, the apostles, Peter, Philip, and Paul and his coworkers
- Themes including sin and salvation, purity, life of Christ, willingness, friendships, obeying authorities, cooperation, dedication, and thankfulness
- Lessons for Thanksgiving, Christmas, and Easter

Christmas, and Easter

Bible Study Skills

- Using cross-references
- Reinforces using the Bible's contents page and glossary, interpreting meanings, sequencing events, reading maps

Character Emphasis

- Discussion questions throughout and application stories show students their need of Christ as Savior and ways to apply biblical principles and commands to life situations

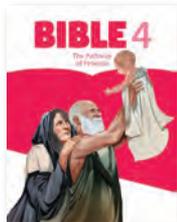
Bible Truths for Christian Growth

- 164 questions/answers presented in 10 biblical themes aid understanding and facilitate discipleship

Memory Verses

- 36 verses or passages
- Emphasis on application

Grade 4 The Pathway of Promise



Bible Content

- A chronological study of the Old Testament
- Emphasizes understanding the Bible as one story with three progressive parts: Creation, Fall, and Redemption
- Tracks the progression of the Abrahamic, Mosaic, Davidic, and New Covenants, anticipates the fulfillment through the life of Christ
- Introduces Christ as the perfect Prophet, Priest, and King

Bible Study Skills

- Promotes personal interaction with the Bible
- Emphasizes skill in reading Scripture and letting the Bible answer important questions
- Makes the Bible a personal companion for growing in Christ through observing, interpreting, and applying Scripture

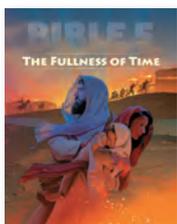
Bible Truths

- 147 questions and answers that help students understand the progression of God's revelation of Himself and major biblical events and truths for growth in Christ

Memory Verses

- Accompanying memory verses for each week

Grade 5 The Fullness of Time



Bible Content

- A chronological study of the New Testament
- Emphasizes understanding the Bible as one story with the New Testament being the culmination of Creation, Fall, and Redemption
- Tracks the major themes of glory, kingdom, covenants, law/wisdom, atonement/priesthood, and divine presence throughout the life of Christ and the New Testament
- Demonstrates Christ as the culmination of the major themes of the Bible

Bible Study Skills

- Promotes thoughtful interaction with the Bible text through questions and answers
- Encourages students to read and memorize the Scriptures on their own
- Introduces the students to Bible study tools such as outline headings, cross-references, concordances, dictionaries, digital Bibles, and Bible marking strategies
- Trains the students to observe the biblical themes throughout the story of Scripture

Bible Truths

- 147 questions and answers to help understand the progression of God's revelation of Himself and major biblical events and truths for growth in Christ

Memory Verses

- Accompanying memory verses for understanding and remembering major Bible principles from the lessons

Grade 6 Basics of a Biblical Worldview



- 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

Science



Grade 1 Science 4th Edition



GENERAL SCIENCE

- Science, scientists, the five senses, STEM: the engineering design process (ask, imagine, plan, make, better, share), a scientist's worldview, process skills (observe, classify, measure, infer, predict, communicate) science tools (hand lens, ruler, measuring cup/beaker, balance scale, thermometer), the scientific method (problem, hypothesis, materials, procedure, observations, conclusions)

LIFE SCIENCE

Plants

- Living things, nonliving things, needs of plants (light, air, water, dirt, space), ways people use plants, result of sin, parts of plants (roots, stems, leaves, flowers), life cycle (seed, seedling, adult plant), parents and young

Animals

- Environment, needs of animals (air, water, food, shelter, space), classifying animals (fish, birds, mammals),

- parts of animals, life cycle (robin), parents and their offspring, result of sin

OUR BODIES

The Human Body

- Animals and people (similarities and differences), parts outside (head, arms, legs), parts inside (bones, muscles, heart, lungs, brain, stomach)

Care for the Human Body

- Be kind to others (in words and actions), healthy habits (for a strong body, to keep germs away, to keep germs away from others, for strong teeth), safe habits (at play, in the car, at home, in the community)

EARTH-SPACE SCIENCE

The Earth and Its Lights

- Beginnings, earth's rotation, sun (characteristics, path), stars (characteristics, star pictures), moon (characteristics, path, phases)

- kinds of force (friction, gravity, magnetism)

EARTH-SPACE SCIENCE

How the Earth Moves

- Solar system (origin, planets), Earth (shape, globe as a model), rotation (axis, day/night, sunrise/sunset), revolution (orbit, seasons)

What Makes Up the Earth

- Earth's surface (water, land), inside the earth (studying the earth, geologist, layers of the earth), weathering (water, ice, wind, plants), erosion (wind, water, erosion control), the earth's moving surface (volcanoes, earthquakes)

What Natural Resources Are

- Natural resources (air, water, soil, plants, animals, fossil fuels), pollution, natural resource products (from water, soil, plants, animals, fossil fuels), The Three Rs (reuse, reduce, recycle)

LIFE SCIENCE

How Plants Grow and Change

- Living things, nonliving things, plant needs (water, air, soil, light, space), the Fall and plants, parts of plants (roots, stems, leaves, flowers), life cycle (seed and its parts, seedling, adult plant), how seeds travel (air, water, animals)

Seasons

- Earth's revolution and tilt, cycle of seasons, characteristics of winter, spring, summer, fall

Weather

- Temperature, wind, the water cycle (clouds, rain, sleet, hail, snow), what a meteorologist is and does

PHYSICAL SCIENCE

Light Energy

- Beginnings of light, natural or manmade light, light and objects (transparent, translucent, opaque), shadows, characteristics (illuminates, how light travels)

Sound Energy

- How sound is made, how sound moves, sound and matter, how sound is heard, how sound changes (volume, pitch)

Communicating with Light and Sound

- Around home, around school, around the community; additional worldview learning

Grade 2 Science 5th Edition



GENERAL SCIENCE

What Science Is

- Science, scientists, importance of science, a scientist's worldview, science inquiry skills (observe, classify, measure, infer, predict, communicate), science tools (hand lens, ruler, beaker, thermometer, balance), scientific method (problem, hypothesis, materials, procedure, observations, conclusions), STEM: the engineering design process (ask, imagine, plan, make, test and make better, share)

PHYSICAL SCIENCE

What Matter Is

- Origin of matter, describing matter, properties of matter (color, shape, size, temperature, hardness, texture, ability to sink or float), classifying by property, states of matter (solid, liquid, gas)

How Matter Changes

- Temperature and matter, solids to liquids, liquids to gases, gases to liquids, liquids to solids, changing matter (reversible/irreversible, bend/break, mixture), combining matter

How Matter Moves

- Force (push/pull, cause/effect), motion (direction, cause/effect), speed (cause/effect), origin of force,

How Animals Grow and Change

- Needs of animals (air, water, food, space, shelter), changes animals make to where they live (by storing food, building shelters), classifying animals (with backbones: fish, birds, mammals, amphibians, reptiles; without backbones: insects, spiders), how animals grow and change, parents and their offspring, life cycle (butterfly, frog), food chain (predator and prey, results of sin)

Where Things Live

- Populations, communities, water habitats (ocean, pond, wetland), land habitats (rainforest, woodland forest, desert, savanna, tundra), changing habitats (animals, plants, wildfires, people)

What Fossils Show Us

- Creation or evolution, fossils, kinds of fossils (petrified, mold, cast, amber, trace, frozen), plant fossils, insect fossils, dinosaur fossils, dinosaurs (*Stegosaurus*, *Tyrannosaurus rex*), end of dinosaurs

How the Human Body Works

- Body systems (skeletal, muscular, circulatory, respiratory, nervous, digestive), food, exercise

Grade 3 Science

5th Edition



EARTH-SPACE SCIENCE

- Process skills, science tools, scientific method

The Solar System

- Solar system (origin, worldviews, gravity, patterns, the sun and other stars, observing stars and planets), inner planets and moons (Mercury, Venus, Earth and Moon, Mars), outer planets (Jupiter, Saturn, Uranus, Neptune), asteroids, dwarf planets

Weather and Climate

- Weather: studying weather, weather tools (rain gauge, thermometer, weather vane, anemometer), clouds (stratus, fog, cumulus, cirrus), precipitation (water, cycle, rain, sleet, snow, hail), wind, severe weather (drought, flood, thunderstorm, tornado, hurricane, blizzard), weather warnings; Climate: climate zones (polar, temperate, tropical), climate change (biblical view, different view, possible causes, God's promise)

Soil, Rocks, Minerals, and Fossils

- Soil: parts of soil, layers of soil (topsoil, subsoil, bedrock), weathering, erosion, conservation; Rocks: sedimentary, igneous, metamorphic; Minerals: properties (hardness, crystal shape, color), uses of minerals; Fossils: biblical view (how and when fossils formed, extinction, adaptation), evolutionary view (how and when fossils formed, extinction, adaptation), Is evolution true?

LIFE SCIENCE

Cells, Tissues, Organs, and Systems

- Cells: definition, observing, kinds, parts of plant and animal cells (nucleus, cytoplasm, membrane, wall); Tissues: definition, examples (muscle, nerve); Organs: definition, upper body organs; Systems: definition, skin (largest organ of human body), epidermis (fingerprints), dermis (blood vessels, sweat glands, oil glands)

Plants

- Plant life cycle (germination, growth, reproduction, death), photosynthesis (what a plant needs, what a plant produces), uses of plants, plant traits, adaptation (biblical view, evolutionary view)

Cold-Blooded Animals

- Classifying animals (vertebrate, temperature), cold-blooded animals (fish, amphibians, reptiles, insects, spiders), characteristics, features to survive and grow, ways to reproduce, life cycles of cold-blooded animals

Warm-Blooded Animals

- Warm-blooded animals (birds, mammals), characteristics, features to survive and grow, ways to reproduce, are humans mammals?, taking care of animals, life cycles of animals (birth, growth, reproduction, death), animals and their offspring (same kind, inherited traits, instincts, learned behavior,

inherited traits and behavior), studying animals

Ecosystems

- Living together (population, community, habitat, ecosystem), resources, eating for energy (producer, consumer, decomposer), types of consumers (herbivore, carnivore, omnivore), living together in groups, food chains, food webs, changes in an ecosystem (balance)

PHYSICAL SCIENCE

Matter and Sound

- Physical properties (mass, volume, matter), states of matter (solid, liquid, gas), changes in states (solids and liquids, liquids and gases), states of water, physical and chemical changes, serving with matter, sound (vibrations, sound waves, characteristics of sound [pitch, volume, uses])

Forces and Motion

- Force: fast, slow, direction, kinds (contact/noncontact forces); Motion: directions, distance, speed, how force affects motion, patterns of motion (observations, predictions, unseen patterns, created patterns), work

Electricity and Magnetism

- Electricity: electric charges (positive, negative, neutral), static electricity, current electricity; Magnetism: magnets (magnetism, magnetic field, poles), uses of magnets, electromagnets (discovering electromagnets, uses of electromagnets)

Grade 4 Science

4th Edition



GENERAL SCIENCE

- Process skills, science tools, and scientific method

EARTH SCIENCE

Earth

- **Changes on the earth:** volcanoes, earthquakes, frost, action, abrasion, weathering, erosion, deposition, landslides, avalanches
- **Landforms:** deltas, dunes, glaciers
- **Soil:** formation, conservation
- **Natural resources:** renewable resources (soil, water, trees, conservation, pollution, hydroelectric energy, wind energy, solar energy), nonrenewable resources (fossil fuels); reduce, reuse, recycle
- **Water and oceans:** water cycle, tides, waves, deep ocean currents, surface currents, ocean floor, ocean depths, ocean creatures

Space

- **Moon:** shape and size, atmosphere and temperature, mass and gravity, light, features (maria, mountains, craters, rilles), revolution, rotation, phases, eclipses

- **History of the moon:** man's theories, science, age of the moon

LIFE SCIENCE

Living Things

- **Insects:** arthropods, body parts, protection, ways of eating, life cycles, metamorphosis, social insects
- **Spiders:** webs, getting food
- **Plants:** flowering plants, parts of a flower, pollination, seeds, seed dispersal, seed parts, plant life cycle, reproduction, methods of classification
- **Ecosystems:** environment, basic needs, resources, competition, partnerships, migration, hibernation, changes, pollution
- **Animal defenses:** adaptations (camouflage, mimicry), protection (armor and horns)

Human Body

- **Eyes:** parts of the eye, path of light through the eye, vision correction
- **Digestive system:** digestive tract and digestive process
- **Nutrition:** proteins, fats,

carbohydrates, vitamins, minerals, healthy diet planning

- **Skeletal-muscular system:** skeleton, parts of bones, marrow, joints, ligaments, cartilage, muscles, injuries

PHYSICAL SCIENCE

Motion

- **Motion and machines:** forces, friction, work, simple machines (levers, pulleys, wheels and axles, inclined planes, screws, wedges)
- Energy
- **Electricity:** positive charges, negative charges, static electricity, current electricity, conductors, insulators, resistors, series circuits, parallel circuits
- **Magnetism:** magnetic field, uses of magnets, electromagnets, generators
- **Light:** sources of light, speed of light, transparent, translucent, opaque, shadows, visible spectrum, reflection, refraction, lens
- Matter
- **Measuring matter:** length, volume, mass, weight

Grade 5 Science

4th Edition



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, manmade), 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, donation 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

Grade 6 Science

4th Edition



GENERAL SCIENCE

- 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 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

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), 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

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, auto-immune diseases, allergies, transfusions and transplants, immune deficiencies

PHYSICAL SCIENCE

Motion

- **Motion and machines:** velocity, acceleration, momentum, work, 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



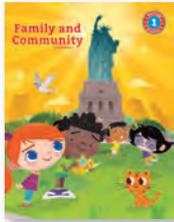
Heritage Studies

Grade 1

Heritage Studies

Family and Community

4th Edition



Focus

- Developing a Christian worldview of the family, community, jobs, land, and the United States

Geography

- Types of land and water, continents and oceans
- Globes and maps (title, key, compass rose), cardinal directions
- Saving and using resources

Weather

- Seasons
- Water cycle

History

- Time (past, present, future)
- Primary and secondary sources

American History

- Native Americans
- Explorers

- Settlements: Jamestown and Plymouth
- Founding of the United States
- Abraham Lincoln
- Effects of immigration
- United States today

Government

- Rules and laws, justice
- Community, state, and national leaders; elections
- Description and symbols of the United States
- Rights and responsibilities of American citizens

Economics

- Needs and wants
- Goods and services
- Trading, barter, money
- Jobs, volunteers
- Budgeting

- Technology and tools

Culture

- Biblical worldview
- Families and homes
- Celebrations
- Families in history
- Churches and schools
- Changes in travel and communication
- Contributions of immigrants

Social Studies Skills

- Addresses and landmarks
- Sorting and sequencing
- Bar graphs, diagrams, timelines, and calendars
- Literacy skills: compare, main idea and details, fact and opinion, cause and effect

Grade 2

Heritage Studies

Community and Government

4th Edition



Focus

- Developing a Christian worldview of communities, government, buying and selling, people and places, and American culture

Geography

- Map skills: grid map, map scale
- Geography of North America
- Geography of United States: population density, land forms, bodies of water, climate zones

History

- Communities: development of changes within
- Memorials

Government

- How a bill becomes a law
- Purpose of government
- Constitution, Bill of Rights
- Levels of government (national, state, local)
- Choosing leaders
- Citizens: process of citizenship, rights and responsibilities
- Countries working together

Social Studies Skills

- Comparing points of view
- Problem solving
- Comparing fact and fiction
- Cause and effect

- Primary and secondary sources

Economics

- Work, specialization
- Scarcity, opportunity cost, budgets
- Goods and services
- Producers and consumers, types of resources
- Supply and demand
- Trading between countries

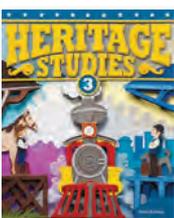
American Culture

- Core values
- Influences: Native Americans, immigrants, technology
- Sharing culture

Grade 3

Heritage Studies

3rd Edition



Focus

- Learning about the founding and growth of a new nation from a Christian perspective

Geography

- Map skills: cardinal and intermediate directions, grids, globe, latitude and longitude, hemispheres, landforms, prime meridian, equator, and population map

Social Studies Skills

- Primary and secondary sources; renewable and nonrenewable resources
- Charts and graphs: timeline

- Fact and opinion, cause and effect, compare and contrast

American History

- America's beginning
- Trail of Tears
- Wars: Revolutionary War, French and Indian War, War of 1812, and Civil War
- Communication and transportation
- Inventions
- Western expansion

Government

- Constitutional Convention

- Bill of Rights
- Articles of Confederation
- Preamble to the Constitution
- Political parties, electoral college

Economics

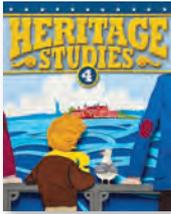
- Cost and benefits
- Imports and exports
- Planning a budget

Culture

- Songs: patriotic, folk, hymns
- Flag etiquette
- Food sampling

Grade 4 Heritage Studies

3rd Edition



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

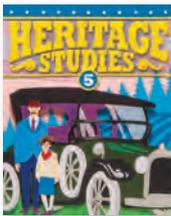
- Languages
- Adjustment of immigrants in America
- Evangelism and missionary work

Social Studies Skills

- Cause and effect
- Timeline
- Primary sources

Grade 5 Heritage Studies

4th Edition



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

Grade 6 Heritage Studies

Ancient Civilizations
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

Grade 1 Math

4th Edition



Numeration

- Read and identify 0–999
- Write and picture 0–999
- Number words: zero to twenty

Number Sense

- Compose/decompose
- Ordinals: first–tenth; first, next, last; before, after, between
- Patterns; sequencing: first, next, last; before, after, between

Number Line

- Place value
- Hundreds/tens/ones; 10 more/10 less, 100 more/100 less
- Expanded form
- Compare with $<$ and $>$
- Even/odd numbers

Counting

- Find patterns in numeration
- Count to 999
- Count by 1s, 5s, 10s to 200
- Count forward and backward

Addition

- 100 basic facts (using strategies)
- Number sentences (equations) and vertical form
- Two- and three-digit addends; money
- Rename 10 ones as 1 ten

Subtraction

- 100 basic facts (using fact families and other strategies); two-digit minuend and subtrahend; equation; vertical form; money
- Word problems: take-away, comparison, missing addend
- Subtract 0 rule

Multiplication Readiness

- Repeated addition; counting by 2s, 5s, 10s

Algebra Readiness

- Represent a picture with a number sentence; missing addend
- Understand and use addition properties (commutative, associative, identity)

Fractions

- Equal parts; halves; fourths (quarter); part of a set of objects

Geometry

- Plane shapes: circle, square, triangle, rectangle; sides and corners
- Solid figures: sphere, cylinder, rectangular prism, cube, cone; corners, faces, curved sides
- Spatial relationships; patterns; perimeter

Estimation

- Numbers of objects
- Length: is longer, is shorter
- Weight: weighs more, weighs less
- Capacity: holds more, holds less

Measurement

- Length/height: nonstandard units, inch, centimeter
- Weight: weighs more, weighs less
- Capacity: holds more, holds less
- Temperature: Fahrenheit; Celsius
- Measuring tools: ruler, scale, thermometer, cup
- Time: hour and half hour; elapsed time
- Calendar: days, weeks, months
- Money: penny, nickel, dime, quarter

Problem Solving

- Word problems; picture, tally chart, bar graph
- Reasoning

Graphs and Data

- Pictures, graphs, bar graphs, tally charts

Calculators (optional)

- Make numbers; addition; subtraction

Grade 2 Math

4th Edition



Numeration

- Identify and write 0–9,999; number words: zero to nine hundred ninety-nine

Number Sense

- Place value: thousands/hundreds/tens/ones; 10 more/10 less; 100 more/100 less; even/odd numbers; round to the nearest ten and hundred; compare with $<$ and $>$; expanded form
- Ordinals: first–twentieth
- Patterns; sequencing: before, after, between; number line

Counting

- Count by 1s, 5s, 10s, and 100s; by 2s to 60; by 3s to 30; by 4s to 40

Addition

- 100 basic facts (using fact families and other strategies); four-digit addends; vertical form addition; rename 10 ones as 1 ten, 10 tens as 1 hundred, 10 hundreds as 1 thousand; money; word problems
- Order principle, zero principle, grouping principle
- Word problems

Subtraction

- 100 basic facts (using fact families and other strategies); three- and four-digit minuend and subtrahend
- Rename 1 ten as 10 ones; 1 hundred as 10 tens, 1 thousand as 10 hundreds; money

- Word problems: take-away, comparison, missing addend; strategies
- Zero principle

Multiplication

- Repeated addition; array; number line; equation; vertical form; factors: 0–5, 10; word problems
- Order principle, identity principle, zero principle

Division

- Equal sets; equation; missing factor; divisor: 1–5; word problems

Algebra Readiness

- Equation; missing addend; missing factor; order principle, grouping principle, zero principle

Grade 3 Math

4th Edition



Fractions

- Equal parts; halves to tenths; part of a set; fair share; compare with common denominators; compare with 1 as the numerator

Decimals

- Money

Geometry

- Plane figures: circle, square, triangle, rectangle, pentagon, hexagon, oval; sides, vertices; similar, congruent; symmetry; slides, flips, turns
- Solid figures: sphere, cylinder, rectangular prism, cube, cone, pyramid; faces, edges, vertices, curves
- Lines: horizontal/vertical; parallel/intersecting
- Area; perimeter; patterns

Number Sense

- Recognize and write 0–1,000,000 with numerals and words; Roman numerals I–XII
- Ordinals: first through ninety-ninth; order; number line
- Place value: 10 more/10 less; ones to hundred thousands; expanded form; round to the nearest ten, hundred, one thousand, compare with > and <
- even/odd numbers

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 (with strategies); five-digit addends; vertical form; rename 10 ones as 1 ten to 10 one thousands as 1 ten thousand; money; strategies; word problems; commutative property, associative property, identity property

Subtraction

- 100 basic facts; fact families; five-digit minuend and subtrahend; word problems; rename 1 ten as 10 ones to 1 ten thousand as 10 one thousands; money; word problems; strategies; take-away, comparison; missing addend; zero principle

Multiplication

- 110 basic facts; fact families; multiples; repeated addition; arrays; number line; equation; vertical

Estimation

- Round to nearest ten and hundred
- Length: inch, foot, yard; centimeter, meter
- Weight: more than/less than 1 pound, 1 ounce
- Mass: more than/less than 1 kilogram; about 1 gram/more than 1 gram
- Capacity: more than/less than 1 cup, 1 pint, 1 quart, 1 gallon; more than/less than 1 liter

Measurement

- Length: inch, foot, yard; centimeter, meter
- Capacity: cup, pint, quart, gallon; liter
- Weight: ounce, pound
- Mass: gram, kilogram

form; one digit factors; two or three digits by one digit; renaming; strategies; word problems; commutative property; associative property; identity property; zero property

Division

- 110 basic facts; fact families; equal sets; repeated subtraction; measurement; partition/strategies; equation; division frame; word problems; two and three digits by one digit; one-digit remainders

Algebra Readiness

- Equation; missing addend; missing factor; negative numbers (temperature); addition and multiplication; properties

Fractions

- Part of a whole; part of a set; equivalent fractions; compare; order; mixed numbers; add and subtract like fractions

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

Geometry

- Plane figures: circle, polygon, square, triangle, rectangle, pentagon, hexagon, octagon; edge, vertex; slides, flips, turns
- Solid figures: sphere, cube, cylinder, cone, rectangular prism, rectangular pyramid; faces; edges; vertices; curved surface

- Temperature: Fahrenheit; Celsius
- Measuring tools: ruler, scale, thermometer, cup, liter
- Time: to five-minute interval; a.m./p.m.; elapsed time
- Calendar: day, week, month, year
- Money: penny, nickel, dime, quarter, half-dollar, one dollar

Problem Solving

- Word problems; graphs; tables; charts; map skills; probability; money

Statistics and Graphs

- Pictograph; bar graph; coordinate graph; line graph; circle graph; tables; charts; tallies

Calculators

- Addition; subtraction

- Lines: horizontal/vertical; parallel/intersecting; symmetry
- Area; perimeter; patterns

Estimation

- Round to nearest ten, hundred, and one thousand
- Length; distance; capacity; weight; mass

Measurement

- Length: $\frac{1}{2}$ inch, foot, yard, mile; centimeter, meter, kilometer
- Capacity: cup, pint, quart, gallon; milliliter, liter
- Weight: ounce, pound
- 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; five-dollar bill; ten-dollar bill; dollar sign; decimal point; addition, subtraction

Problem Solving

- Word problems; graphs; tables; charts; schedule; map skills; logic; probability; money; multistep problems; problem-solving plan

Data and Graphs

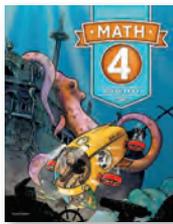
- Bar graph, pictograph; line plot; line graph; coordinate graph; circle graph; tables, charts, tallies

Calculators

- Addition; subtraction

Grade 4 Math

4th Edition



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

Grade 5 Math

4th Edition



NEW

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° ; 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

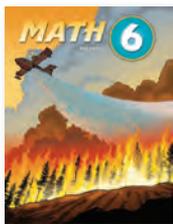
- Equivalent ratios; unit rate; scale drawings; map scale
- Writing percents as fractions and decimals; writing fractions as percents; comparing percents to decimals and fractions; finding the percent of a number

Calculators

- Varied activities

Grade 6 Math

3rd Edition



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

Fractions

- 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

Decimals

- 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

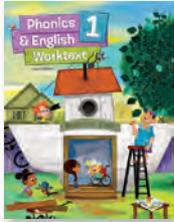
Ratios, Proportions, Percents

- 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



Grade 1 Phonics & English

4th Edition



Prewriting Skills

- Interpreting pictures, matching sounds with pictures, print awareness

Listening

- Listening enjoyment: songs, stories, poems, nursery rhymes
- Listening comprehension: interpreting information, listening for facts and details, following directions, making critical judgments, making application, identifying a main idea

Oral Communication

- Taking part in songs, discussions, action rhymes, dialogs, recitations, retelling stories
- Writing a dictated word, phrase, or sentence; describing an experience; sharing ideas
- Collaborative conversations: pair-share, small-group discussions, class discussions, asking and answering questions

Phonemic Awareness and Phonics

- Using auditory and visual discrimination as well as letter-sound

association for each of the 44 English sounds and their variant spellings

- Identifying consonant blends and digraphs, short and long vowel patterns, *r*-influenced vowels, diphthongs
- Recognizing rhyming words
- Recognizing hard and soft *c*, hard and soft *g*, silent consonant patterns
- Recognizing open and closed syllables
- Decoding many phonograms or word families
- Developing word recognition skills

Vocabulary

- Determining meaning from context
- Synonyms, antonyms, compound words, contractions, analogies

Structural Analysis

- Counting syllables, syllable division; prefixes, suffixes, suffix rules

Study Skills

- Using alphabetical order; following directions; reading a color key

Written Communication

- Sentences: complete thought, completing a sentence, writing a sentence; sentence parts (subject part, verb part)
- Paragraphs: topic, topic sentence, details; completing the five-step writing process
- Genre: narrative, informational text, poem, thank-you note
- Journaling

Grammar, Mechanics, and Usage

- Capitalization: beginning of a sentence; proper nouns
- Punctuation: end of a sentence (period, question mark, exclamation point); comma; apostrophe in contractions and possessive nouns
- Parts of speech: nouns, verbs (action and linking), adjectives, adverbs, and prepositions
- Sentences: subject-verb agreement

Reading for Comprehension

- Reading phrases and sentences with comprehension

Grade 2 English

Writing & Grammar

3rd Edition



Parts of Speech

- Noun: common, proper, singular, plural, collective, possessive
- Verb: action; linking; helping (*has*, *have*) present and past tenses; regular and certain irregular verbs
- Pronoun
- Adjective
- Adverb

Sentence Structure

- Sentence: fragment, run-on sentence, combining sentences, expanding sentences
- Sentence parts: subject part, subject, predicate part
- Sentence types: statement, question, command, exclamation

Conventions

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

Usage

- Pronoun reference, contractions, subject-verb agreement

Writing Skills & Support

- Shared writing
- Independent writing
- Paragraph development
- Writing process: plan, draft, revise, proofread, publish
- Writing traits: ideas, organization, word choice, conventions
- Using a dictionary
- Using a thesaurus
- Conferencing with teacher and peer
- Graphic organizers: word web, time-order chart, senses chart, note cards
- Using a rubric for self-assessment

Writing Projects

- Poetry: Hebrew poem, couplet, shape poem
- Personal story, friendly letter, instructions, opinion paragraph about a book, research report

Study and Research Skills

- Reference skills: parts of a book: title page, contents page; library: fiction, nonfiction, biography; information sources: encyclopedia, dictionary, atlas, magazine, DVD; library catalog; computer: safety/etiquette, keyword search
- Dictionary skills: alphabetical order, guide word, entry word, definition, sample sentence
- Study skills: listening: following directions, listening strategies, identifying facts and details; taking notes

Listening and Speaking Skills

- Listening skills: following directions, listening strategies, identifying facts and details
- Speaking skills: audio recordings, collaborative conversations, reading orally

Grade 3
English
 Writing & Grammar
 3rd Edition



Parts of Speech

- Noun: common, proper, singular, plural, possessive, abstract, collective
- Verb: action; linking; helping; present, past, and future tenses; irregular verbs
- Pronoun: subject, object, possessive, singular, plural, courtesy order
- Adjective
- Adverb
- Preposition

Sentence Structure

- Sentence: fragment, run-on sentence, compound sentence
- Sentence parts: complete subject, complete predicate, simple subject, simple predicate
- Sentence types: declarative, interrogative, imperative, exclamatory
- Diagramming; combining sentences; expanding sentences

Conventions

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

Usage

- Pronoun reference; contractions; subject-verb agreement

Writing Skills & Support

- Shared writing
- Independent writing
- Paragraph development
- Writing process: plan, draft, revise, proofread, publish
- Writing traits: ideas, organization, voice, word choice, sentence fluency, conventions, presentation
- Writing conference with teacher and peer
- Graphic organizers: opinion chart, word web, time-order chart, story map, paragraph model, note cards
- Checklist for self-assessment
- Rubric for summative assessment
- Proofreading marks to improve writing and make corrections
- Using a thesaurus

Writing Projects

- Informative/explanatory: game instructions, research report; Opinion: book review, persuasive essay; Narrative: friendly letter; Poetry: sound poem

- Journal and reflection activities

Study & Research Skills

- Reference skills: parts of a book, using the library; Non-print sources: internet, electronic catalog, videos
- Study skills: taking notes, internet safety, keyword search

Listening, Speaking & Viewing Skills

- Listening skills: collaborative discussions, think-pair-share, active listening stories
- Speaking skills: reading orally, presenting reports
- Viewing skills: visual analysis, image brainstorm
- Presentations: oral report with visual display, audio recording, video recording

Biblical Worldview

- Communication in relation to Creation, Fall, Redemption using the themes of friendship, authority, work, celebration, and people

Grade 4
English
 Writing & Grammar
 2nd Edition



Parts of Speech

- Noun: common, proper, singular, plural, possessive; as a subject, object, and predicate noun
- Verb: action, linking, helping; present, past, and future tenses; irregular verbs
- Pronoun: subject, object, possessive
- Adjective: article, predicate adjective, comparative, superlative, proper
- Adverb; preposition

Sentence Structure

- Sentence: fragment; run-on sentence; compound sentence
- Sentence parts: complete subject, complete predicate, simple subject, simple predicate
- Compound subjects; compound predicates; clauses: independent, dependent; introductory phrases; prepositional phrases; diagramming

Conventions

- Capitalization: proper nouns, titles, abbreviations

- Punctuation: period, question mark, exclamation point, comma, apostrophe

Usage

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

Writing Skills & Support

- Shared writing
- Independent writing
- Paragraph development
- Writing process: plan, draft, revise, proofread, publish
- Writing traits: ideas, organization, word choice, conventions
- Writing conference with teacher and peer
- Graphic organizers: character web, events/details chart, opinion chart, outline, plot pyramid, T-chart, time-order chart, Venn diagram, word web
- Rubric for self-assessment
- Proofreading marks to improve writing and make corrections

- Using a dictionary
- Using a thesaurus

Writing Projects

- Poetry: haiku, acrostic poem
- Personal narrative, friendly letter with instructions, compare-contrast essay, book review, tall tale, research report, business letter

Study & Reference Skills

- Reference skills: parts of a book: title page, table of contents, glossary; library: electronic catalog; encyclopedia; atlas; periodicals
- Dictionary skills: alphabetical order, guide words, parts of an entry, multiple definitions
- Study skills: taking notes, outline

Listening & Speaking Skills

- Speaking skills: read a narrative aloud

Grade 5 English Writing & Grammar 2nd Edition



Parts of Speech

- Noun: common, proper, singular, plural, possessive; as subject, direct object, and predicate noun
- Verb: action, linking, helping; simple and perfect tenses
- Pronoun: subject, object, possessive, reflexive
- Adjective: article, demonstrative, proper, predicate adjective
- Adverb
- Preposition; conjunction: coordinating, subordinating

Sentence Structure

- Sentence: simple, compound, complex; fragment; subjects and predicates
- Sentence types: declarative, interrogative, imperative, exclamatory
- Compound subjects; compound predicates; clauses: independent, dependent; phrases: introductory, prepositional; diagramming; basic sentence patterns

Conventions

- Capitalization: proper nouns, titles, abbreviations, initials

- Punctuation: period, question mark, exclamation point, comma, apostrophe

Usage

- Homophones; pronoun reference; subject/verb agreement; contractions; prefixes; suffixes

Writing Skills & Support

- Shared writing
- Independent writing
- Paragraph development
- Writing process: plan, draft, revise, proofread, publish
- Writing traits: ideas, organization, word choice, conventions
- Writing conference with teacher and peer
- Graphic organizers: T-chart, Venn diagram, opinion chart, planning chart for book review, time-order chart, word web, action map
- Rubric for self-assessment
- Proofreading marks to improve writing and make corrections
- Using a dictionary
- Using a thesaurus

Writing Projects

- Poetry: diamante, sense poem
- Compare-contrast essay, persuasive business letter, personal narrative, book review, research report, imaginative instructions, play

Study & Reference Skills

- Reference skills: parts of a book: title page, table of contents, index, glossary, bibliography; encyclopedia; periodicals; library: electronic catalog; atlas; almanac; textbook
- Dictionary skills: guide words, parts of an entry, multiple definitions, multiple entries (homographs)
- Study skills: taking notes, outlines

Listening & Speaking Skills

- Speaking skills: oral book review, presenting a play

Grade 6 English Writing & Grammar 2nd Edition



Parts of Speech

- Noun: common, proper, singular, plural; singular and plural possessive; as subjects, objects, and appositives
- Verb: principal parts; simple 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 & Support

- Shared writing
- Independent writing
- Paragraph development
- Writing process: plan, draft, revise, proofread, publish
- Writing traits: ideas, organization, word choice, conventions
- Graphic organizers: events/details chart, persuasion chart, plot diagram, time-order chart, Venn diagram, word web

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

Writing Projects

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

Study & Reference Skills

- Reference skills: parts of a book; library and computer research; types of reference books
- Dictionary skills: guide words, parts of an entry, multiple definitions
- Study skills: taking notes, outlines

Listening & Speaking Skills

- Speaking skills: oral publishing for written instructions



Spelling

Grade 1 Spelling

3rd Edition



30 Weekly Word Lists

- Ten words per list (nine pattern words and one sight word)
- Words frequently used in writing
- Review list with pattern words every fifth week

Generalizations

- Phonics generalizations: short and long vowel patterns, *r*-influenced vowel patterns, diphthongs
- Consonant patterns: consonants, consonant blends and digraphs, soft *c*

- Structural generalizations: suffixes *s, es, ed, er, est, ing*; suffix rules: no change to base word, double the final consonant, drop the final *e*

Word Study

- Phonics and structural analysis activities
- Word-meaning activities: sentence contexts, rhyming words, meaning or picture clues, puzzles

Proofreading

- Spelling awareness: identifying the correct spelling for a given

word, identifying and correcting misspelled words, standardized-test practice

Dictionary Skills

- Location skills
- Alphabetical order to the first and second letter
- Entry words, guide words, word forms, sample sentences

Writing Application

- Dictation sentences in tests

Grade 2 Spelling

2nd Edition



32 Weekly Word Lists

- Words frequently used in writing
- Pattern words and words with irregular spellings
- Interactive study method
- Weekly review of patterns

Generalizations

- Phonics generalizations: vowel patterns: short and long vowels, *r*-influenced vowels, diphthongs
- Consonant patterns: consonants, consonant blends and digraphs, soft *c*, soft *g*, silent consonants
- Two-syllable words ending in *le, er, y*, and other reliable patterns
- Structural generalizations: compound words, contractions

- Suffixes: *s, es, ed, ing, er, est*
- Suffix rules: no change to the base word, double the final consonant, drop the final *e*, change *y* to *i*

Word Study

- Word sort: classifying words based on shared features
- Word building: making different words by adding or omitting letters
- Phonics and structural analysis activities
- Word-meaning activities: using words in context, meaning clues, synonyms, antonyms, homophones

Proofreading

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

Dictionary Skills

- Location skills
- Alphabetical order to the first, second, and third letter
- Entry words, guide words, word forms

Writing Application

- Dictation sentences in tests
- Real-life writing application

Grade 3 Spelling

2nd Edition



32 Weekly Word Lists

- Words frequently used in writing
- Pattern words and words with irregular spellings
- Interactive study method
- Weekly review of patterns

Generalizations

- Phonics generalizations: vowel patterns: short and long vowels, *r*-influenced vowels, diphthongs
- Consonant patterns: consonants, consonant blends and digraphs, soft *c*, soft *g*, silent consonants
- Two-syllable words ending in *le, er, y*, and other reliable patterns
- Structural generalizations: compound words, contractions
- Suffixes: *s, es, ed, ing, er, est*
- Suffix rules: no change to the

base word, double the final consonant, drop the final *e*, change *y* to *i*

Word Study

- Word sort: classifying words based on shared features
- Word building: making new words by adding or omitting letters
- Phonics and structural-analysis activities
- Word-meaning activities: using words in context, meaning clues, synonyms, antonyms, homophones

Proofreading

- Spelling awareness; identifying and correcting misspelled words in sentences or passages

- Identifying the correct spelling for a given word
- Standardized-test practice

Dictionary Skills

- Location skills
- Alphabetical order to the first, second, and third letter
- Entry words, guide words, word forms, definitions, sample sentences
- Syllable division: compound words; words with two middle consonants; words ending in *le*; open and closed syllables

Writing Application

- Dictation sentences in tests
- Real-life writing application

Grade 4 Spelling 2nd Edition



32 Weekly Word Lists

- Word lists: 16 pattern words, plus two challenge words and two review words
- Interactive study method

Generalizations

- Phonics generalizations: long, short, and *r*-influenced vowel 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 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 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 Activities

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

Grade 5 Spelling 2nd Edition



32 Weekly Word Lists

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

Generalizations

- Phonics generalizations: review of long, short, and *r*-influenced vowel sounds; diphthongs; reliable patterns in multisyllable 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*
- Etymology: Greek and Latin word parts

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, 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 Activities

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

Grade 6 Spelling 2nd Edition



32 Weekly Word Lists

- Word lists: 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
- Etymology of a word

Writing Activities

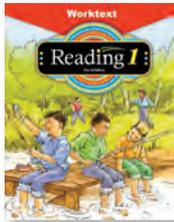
- Dictation sentences in weekly tests
- Real-life writing application



Reading

Grade 1 Reading

4th Edition



Phonics and Word Recognition

- Review and application of phonics concepts presented in *Phonics and English 1*
- Word families
- Consonant sounds: single, blends, digraphs, silent, soft and hard *c* and *g*
- Vowel sounds: short, long, *r*-influenced, special
- Open/closed syllables; syllable division
- Service words

Vocabulary

- Meaning from context; synonyms; antonyms; prefixes; suffixes; analogies; compound words; contractions; action words; describing words; naming words; riddles; Bible words

Comprehension

- Literal, interpretive, critical, appreciative levels; biblical truth
- Interpreting pictures; following directions, sequencing; classifying; comparison and contrast; cause and effect
- Make inferences; draw conclusions; predict outcomes
- True/false statements; size/space/time relationships; main idea
- Punctuation; capitalization; sentence sense; comparatives/superlatives

Literature

- Reading a variety of genres: realistic fiction, historical fiction, fantasy, fable, folktale, article, Bible account, missionary stories, drama
- Character traits and motives; setting
- Fanciful elements; similes
- Poetry: rhyme, rhythm, onomatopoeia

Study Skills

- Alphabetizing, book parts, glossary, calendar, color key, locate information, maps, diagrams

Fluency

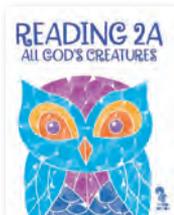
- Silent reading: reading for understanding, specific information, biblical truth, author's message
- Oral reading: communicating message of the author; language-like flow; communicating meaning, mood; portraying characters, emotion; responding to punctuation

Composition

- Describing a picture, an experience, an object, a place, and an event
- Writing: newspaper article, letter, journal entry, poem
- Completing a sentence and a story frame
- Writing a response to the theme of a story, an event from another point of view, and things learned about God

Grade 2 Reading

3rd Edition



Phonics and Word Recognition

- Review of phonics: the 44 sounds of English with many of the variant spellings
- Open/closed syllables; counting syllables; syllable division: base words/prefixes/suffixes, VC/CV pattern, compound words, consonant + *-le*
- Service words

Vocabulary

- Meaning from context; synonyms; antonyms; homophones; prefixes; suffixes; analogies; compound words; contractions

Comprehension

- Literal and higher-order levels; biblical truth
- Interpreting pictures; following directions; sequencing; classifying; comparison and contrast; cause and effect; problem and solution
- Making inferences; drawing conclusions; predicting outcomes

- True/false statements; time/place relationships; relevant information; facts/opinions; main idea
- Punctuation; capitalization; abbreviations; comparatives/superlatives; possessives; pronouns; action words; describing words

Literature

- Various genres: realistic fiction, historical fiction, fantasy, fable, folktale, tall tale, article, Bible account, biography, poetry, drama, mystery
- Main character; character development, motives, traits
- Setting; plot; point of view; fanciful elements; idioms; imagery; similes; figurative language
- Poetry: rhyme; rhythm; repetition; onomatopoeia; alliteration

Informational Text Skills

- Book parts: title, author, illustrator, contents, glossary
- Alphabetizing; books of the Bible; calendar; recipe; poem stanzas; hymn stanzas; captions; headings; maps; diagrams; graphs; graphic organizers

Fluency

- Silent reading: reading for understanding, specific information, biblical truth, author's message
- Oral reading: communicating message of the author; language-like flow; communicating meaning, mood; portraying characters, emotion; responding to punctuation; conveying dialog

Composition

- Writing in response to reading
- Descriptions; personal experiences; poems
- Alternate story ending

Grade 3 Reading

Adventures in Reading
3rd Edition



Phonics and Word Recognition

- Phonics review; introduction of additional variant spellings
- Syllable division: base words/prefixes/suffixes, VC/CV pattern, compound words, prefixes/suffixes, two-syllable words, words ending with *-tion*; consonants + *le*; schwa syllables
- Service words review

Vocabulary

- Meaning from context; synonyms; antonyms; analogies; compound words; contractions

Comprehension

- Literal and higher-order levels; biblical truth
- Sequencing; classifying; comparison and contrast; cause and effect; problem and solution
- Making inferences; drawing conclusions; predicting outcomes
- Time/place relationships; relevant information; facts/opinions; main idea

- Punctuation; capitalization; abbreviations; comparatives/superlatives; possessives; pronouns; verbs; adverbs; adjectives

Literature

- Various genres: realistic fiction, historical fiction, fantasy, fable, folktale, tall tale, article, Bible account, biography, poetry, play, nonfiction, legend
- Main character; character development, motives, traits
- Setting; plot; conflict; point of view; foreshadowing; fanciful elements
- Idioms; imagery; personification; metaphor; simile; humor; sarcasm; suspense
- Poetry: rhyme; rhythm; onomatopoeia; alliteration; quatrains

Study Skills

- Book parts: contents; glossary
- Encyclopedia; Bible concordance; cross-references; biographical dictionary; newspaper; classified ad

- Skimming; scanning; PQ3R study method
- Calendar; maps; diagrams; graphs; timeline; schedule

Fluency

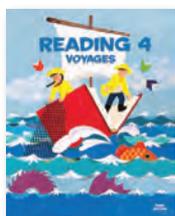
- Silent reading: reading for understanding, specific information, biblical truth, author's message
- Oral reading: communicating message of the author; language-like flow; communicating meaning, mood; portraying characters, emotion, motive; responding to punctuation; choral reading

Composition

- Poetry; simile; rhyming riddles; alliterative phrases
- News article; classified ad; personal experience; journal entry; friendly letter; persuasive essay; descriptive paragraph
- Story mapping; play writing; tall tale; research writing; decree/law; financial report

Grade 4 Reading

Voyages
3rd Edition



Word Recognition

- Optional remedial phonics

Vocabulary

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

Comprehension

- Literal and higher-order levels
- Sequencing; classifying; comparison and contrast; cause and effect; problem and solution
- Making inferences; drawing conclusions; predicting outcomes
- Place/size/time relationships; relevant/irrelevant information; facts/opinion; main idea; dialect; discernment; sense of history
- Biblical discernment and cultural awareness

Literature

- Various 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

Book Reports

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

Fluency

- Silent reading: reading for information, entertainment, understanding, spiritual growth, author's message, biblical truth
- Oral reading: communicating author's message; communicating mood and motive; conveying emotion; portraying character; conveying meaning of Scripture; voice inflection; volume and pacing

Composition

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

Grade 5 Reading

Quests
3rd Edition



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

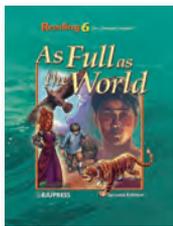
- Silent reading: for information, entertainment, understanding, spiritual growth, author's message, and biblical truth
- Oral reading: communicate author's message; communicate mood and motive; convey emotion; portray character; convey meaning of Scripture; voice inflection; volume and pacing

Composition

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

Grade 6 Reading

As Full as the World Turns
2nd Edition



Word Recognition

- Syllable division and accented syllables review

Vocabulary

- Vocabulary review and quizzes
- Meaning from context; synonyms; antonyms; prefixes; suffixes; analogies; Greek and Latin roots; etymologies; adjectives; adverbs

Comprehension

- Literal and higher-order levels; biblical truth
- Sequencing; classifying; comparison and contrast; cause and effect; problem and solution
- Drawing conclusions; predicting/evaluating outcomes; making judgments; interpreting information
- Relevant/irrelevant information; facts/opinions; main idea; discernment; sense of history

Literature

- Reading a variety of genres: fiction, realistic fiction, historical fiction, fantasy, folktale, fable, article, Bible account, biography, poetry, narrative
- Main and lesser characters; character, motives, traits, growth

and change; flat/round, dynamic/static characters; comparing and contrasting characters

- Setting; plot; conflict; crisis; point of view; foreshadowing; flashback; moral; mood; tone; suspense; denouement; cliffhanger; resolution; open/closed endings; theme; symbolism; good/evil
- Author biographies; propaganda, Caldecott and Newbery awards
- Idiom; personification; exaggeration; hyperbole; allusion; understatement; sarcasm; irony; dialect
- Poetry: rhyme, rhythm, alliteration, anaphora

Study Skills

- Glossary; encyclopedia; thesaurus; Bible study; catalog order; Dewey Decimal system; nonprint media; periodical guide; atlas; headlines; primary/secondary sources; Venn diagram; graphic organizers
- Skimming; scanning; PQ3R study method; outlining; paraphrasing; note-taking; summarizing; topic sentence; listening strategy
- 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; persuasive manner; interpreting dialect; choral reading; voice expression; reading rate

Composition

- Setting; plot; character sketch
- Advertisement; article; predictions; summary; compare and contrast; charting; report; timeline; interview; research; brainstorming ideas
- Short story; play; tall tale; biblical fiction; devotional; radio broadcast; personal experience; humorous incident letter; opinion; thank-you note; friendly letter; descriptive paragraph
- Poem; riddles; haiku; cinquain; rhymes; choral reading
- Devices of style: imagery, hyperbole, allusion; theme; irony; pun; point of view; figurative language

Handwriting



Grade 1 Handwriting

3rd Edition



- PreCursive letter formation for A–Z; using correct posture, paper position, and pencil hold; being consistent in slant, letter alignment, and spacing; practicing letter formation with words, sentences, Bible principles, and poems

Grade 2 Handwriting

2nd Edition



- Maintaining PreCursive alphabet and mastering cursive alphabet
- Maintaining good handwriting skills: good posture, paper positioning, pencil hold, correct-letter formation, slant, alignment, rhythm, spacing, neatness
- Copying good cursive models that include Scripture, poetry, hymns, pledges, recipes, thank-you notes, invitations, and friendly letters
- Content areas included: Bible, math, English, science, heritage studies

Grade 3 Handwriting

2nd Edition



- Maintaining cursive alphabet: uppercase and lowercase
- Maintaining good handwriting skills using 3/8" writing lines
- Copying good models that include Scripture, poetry, timelines, tables, diaries, logs, maps, quotations, character traits, and hymns
- Content areas included: Bible, math, English, science, heritage studies

Grade 4 Handwriting

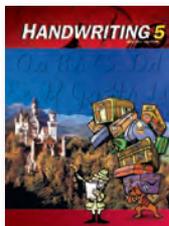
2nd Edition



- Maintaining cursive alphabet: uppercase and lowercase
- Maintaining good handwriting skills using 3/8" writing lines
- Copying good models from various content areas with a theme of regions of the United States

Grade 5 Handwriting

2nd Edition



- Maintaining cursive alphabet: uppercase and lowercase
- Maintaining good handwriting skills using 3/8" writing lines
- Copying good models from various content areas with a theme of writing around the world

Grade 6 Handwriting

2nd Edition



- Maintaining cursive alphabet: uppercase and lowercase
- Maintaining good handwriting skills using 3/8" writing lines
- Copying good models from various content areas with a theme of people and professions
- Calligraphy instruction

Grades 1–3 Pasaporte al español Kit A



Pasaporte al español equips teachers to meet the national standards set by the American Council on the Teaching of Foreign Languages in five areas.

Communication

- Presents over 250 Spanish words and phrases in context and numbers to 100; develops listening-comprehension skills through read-aloud books; provides native-speaker recordings of conversations and total physical response commands for listening and modeling; leads students to move, point, color, read, and spell through a variety of worktext activities

Cultures

- Introduces cultural aspects of eight Spanish-speaking countries as well as useful facts about Hispanic culture in general

Connections

- Integrates interdisciplinary connections, such as science, math, music, and drama; offers practice in grammar, vocabulary, and pronunciation through songs, Bible verses, and Bible truths

Comparisons

- Provides an opportunity to compare Hispanic culture with the students' own culture through recipes, music, and additional theme-related cultural information

Communities

- Arouses interest in missionary work; suggests community outreach activities; encourages parent participation with vocabulary clip-and-learn flashcards

Grades 4–6 Pasaporte al español Kit B



Pasaporte al español equips teachers to meet the national standards set by the American Council on the Teaching of Foreign Languages in five areas.

Communication

- Presents more than 500 Spanish words and phrases in context; develops listening-comprehension skills through read-aloud books, recorded conversations for listening and modeling, dictation exercises, and total physical response commands that lead students to move, point, pantomime, speak, read, and write through a variety of classroom and worktext activities

Cultures

- Highlights cultural aspects of eight Spanish-speaking countries; presents a variety of facts about Hispanic culture in general

Connections

- Makes interdisciplinary connections with heritage studies, science, math, geography, and other subjects; offers practice in grammar, vocabulary, and pronunciation through songs, Bible verses, and Bible truths

Comparisons

- Contrasts Hispanic culture with the students' own culture through recipes, music, and additional theme-related cultural information

Communities

- Arouses interest in missionary work; encourages parent participation with vocabulary clip-and-learn flashcards

Bible



Grade 7 The Story of the Old Testament



Bible Content

- Takes students on a journey through the story of the Old Testament, including both the Major and Minor Prophets
- Special studies: the narrative sections of the Old Testament are complemented by features that cover the “writings” sections of the Old Testament
- Points students to Jesus Christ, who will fulfill all of the promises of redemptive history prophesied in the Old Testament
- Focuses on the Bible study skill of observation

Grade 8 The Life of Christ



Bible Content

- A study of the words and works of Christ in the Gospels (particularly the book of Matthew) as they relate to the Messianic fulfillment of the one true big story of God’s redemptive plan and the coming of the kingdom
- Focuses on the Bible study skill of interpretation and the applicational emphasis of Christlikeness or sanctification

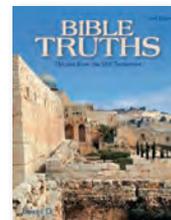
Grade 9 The Triumph of Christ



Bible Content

- A study of the one big story of Scripture (Creation, Fall, Redemption) from Acts to Revelation and the instruction for the church on how to live out the beliefs and values that are derived from that one true big story.
- Focuses on the Bible study skill of application and reinforces the proper model of sanctification for maintaining a holy walk.

Grade 10 Bible Truths D 3rd Edition



Bible Content

- Book and topical studies develop theological themes in Old Testament prose, poetry, and prophecy

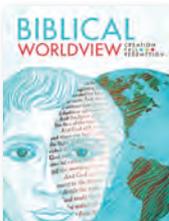
Applying the Bible to Life

- Focuses on honoring and obeying God in every area of life

Additional Resources

- A chart grouping all Old Testament books by genre, listing authors and themes
- A program for Bible reading that teaches students to recognize major biblical themes

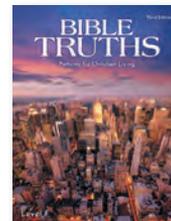
Grade 11 or 12 Biblical Worldview Creation, Fall, Redemption



Bible Content

- A positive presentation of the biblical worldview (the big story, beliefs and values, cultural action) with a critical examination of secularism.
- Analyzes and evaluates approaches to cultural action so that Christians will live faithfully in light of redemption as both salt and light in every area of life.

Grade 12 Bible Truths F 3rd Edition

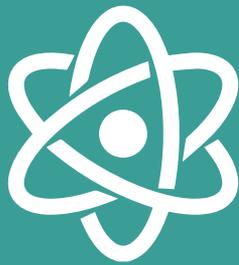


Bible Content

- Biblical worldview; studies on Christian life topics

Applying the Bible to Life

- Focuses on biblical love in the home, the church, and the world



Science

Grade 7 Life Science

5th Edition



The Pattern of Life

- Definition of science, science and worldview, biblical vs. naturalistic worldviews, science and biblical ethics, characteristics of life, homeostasis, design of life, modeling, thinking scientifically, limitations of science, classification of life
- Cell theory, cell structure and function, cellular respiration, photosynthesis
- Genes, DNA replication, RNA transcription, protein synthesis, cell division, mitosis and meiosis
- Mendelian genetics, genetic crosses, variations on simple genetics, population genetics
- Biblical creationism vs. evolutionism, change in nature, worldview and change

Microorganisms and Plants

- Archaeobacteria vs. eubacteria, bacterial structure, reproduction, and importance; antibiotic resistance in bacteria; viruses
- Protist movement, nutrition, classification, and reproduction; structure, nutrition, and importance of fungi
- Plant structure and classification
- Plant hormones, tropisms, and photoperiodism, plant reproduction and life cycles

Introduction to Earth Science

- Earth science and exercising biblical dominion; worldviews and science; the structure of science; scientific models; what earth science is; maps and cartography; geographic information systems (GIS); introduction to physical science, matter, forces, energy, and measuring

The Restless Earth

- The earth as a special place designed for life; a brief history of geology; operational and historical geology; the earth's interior structure; natural resources;

The Animal Kingdom

- Characteristics of animals, characteristics and classifications of invertebrates; sponges, cnidarians, worms, mollusks, echinoderms, arthropods; characteristics and classifications of vertebrates; endotherms vs. ectotherms; fish, amphibians, reptiles, birds, and mammals
- Nutrition, transport, support, movement, and control systems of animals
- Animals reproduction and behavior, external and internal fertilization, egg structure and development, and placental reproduction; innate and learned behavior

The Human Body

- Structure and function of skin, bones, joints, and muscles; types of muscles
- Digestive system structure and function; food and nutrition; chemical vs. mechanical digestion; alimentary canal organs; accessory organs; urinary system structure and function
- Respiratory system structure and function; connection between the respiratory and circulatory systems; circulatory system structure and function; heart, blood cells and plasma; blood vessels; flow of blood through the heart and lungs; connection between

the circulatory and lymphatic systems; lymphatic system and immunity; lymph vessels and nodes

- Components of the immune system; nonspecific vs. specific immunity; vaccines; active vs. passive immunity; parts of the nervous system; central nervous system vs. peripheral nervous system; nerves, reflex arc, and nerve impulses; sense organs structure and function; eyes, ears, touch, smell, and taste
- Hormones and endocrine glands; puberty; human reproduction and biblical sexuality; human growth and development

Interacting with the Biosphere

- Ecology; abiotic vs. biotic factors; ecosystems and biomes
- Cycles of matter; water cycle, oxygen and carbon cycles, and nitrogen cycle; food chains, energy pyramids, and food webs; relationships between organisms; symbiosis; succession
- Managing and protecting the environment; pollution classification and solutions; substance vs. energy pollution; using natural resources; renewable vs. non-renewable resources; management philosophy; conservation vs. preservation; management principles

Grade 8 Earth Science

5th Edition



old- and young-earth origin theories of the earth; evidences for catastrophic changes in the earth's history; models for geologic tectonics; tectonic forces, faults and earthquakes; earthquakes and seismology; effects of earthquakes; mountains and hills; tectonic mountains and landforms; nontectonic mountains and landforms; volcanic emissions, volcano activity and classification; intrusive volcanism

Earth's Rocky Materials

- Describing minerals; identifying and classifying minerals; minerals

as resources; classifying rocks; igneous rocks, sedimentary rocks, and metamorphic rocks; critiquing the uniformitarian rock cycle; the process of fossilization; paleontology, fossil fuels; weathering, erosion, and deposition; soils and soil formation

The Water World

- Ocean basins and landforms; seawater composition; ocean environments: tides, currents, and waves; history of oceanography, methods and instruments; deep-sea exploration; underwater habitats; research vehicles; stream

characteristics; lakes and ponds; limnology; groundwater reservoirs and groundwater chemistry; water as a resource; solution caves and karst topography

The Atmosphere

- Composition and thermal structure of the atmosphere; special regions; energy in the atmosphere; measurable weather data; causes of wind; global wind patterns; sources of local winds; cloud formation; classifying clouds; precipitation, dew, and frost; air masses and weather fronts; causes of precipitation; winter storms, thunderstorms,

tornadoes, and hurricanes; weather forecasting, weather maps and applications of GIS in weather modeling; describing climate and climate zones; climate data and interpretation; observed short-term climate changes from volcanism and oceanic cycles; climate models, worldviews and long-term climate change; environmentalism and biblical stewardship of the environment

The Heavens

- The sun-earth-moon system; the sun's structure, composition, and energy; the solar spectrum; the moon's structure and surface,

and origin theories; Earth's orbit; seasons, and timekeeping; lunar phases; eclipses, and tidal effects; models of the solar system; Kepler's laws; classification and brief description of the planets; dwarf planets and small solar system bodies; evidences for a young solar system; constellations and star properties; stellar classification and the H-R diagram; stellar aging; classification of galaxies; nonstellar objects; cosmology and worldviews; challenges of space exploration; rocketry; satellites and space probes; challenges and need for manned space exploration

Grade 9 Physical Science 6th Edition



Structure of Matter

- Presents science as the development of models to explain and describe phenomena in a fallen and broken world; biblical versus secular worldview aspects of science; definition of key elements of scientific knowledge—laws, theories, and hypotheses; scientific study and application of scientific knowledge as a key aspect of obedience to the Creation Mandate; methodologies of science; scientific measurement; the metric system; accuracy, precision, and repeatability in measurements; introduction to the nature and classification of matter and energy; changes matter undergoes; historical development of the atomic model; structure of the atom; origin of the periodic table; elements and their symbols; classification of

the elements; periodic trends; electronegativity and valence electron structure; covalent, ionic, and metallic bonds; compounds classified according to bond-type; chemical formulas and equations; oxidation numbers; introduction to organic chemistry and biochemistry

Changes in Matter

- Types of chemical reactions; radiation and nuclear changes; classifying mixtures; solutions and the solution process; measuring concentration; acids and bases; salts from acid-base reactions; pH system and measurement

Matter in Motion

- Describing motion; frames of reference; momentum; Newton's laws of motion; gravity; free-fall; mechanical work; levers and other simple machines;

mechanical advantage and efficiency; kinetic and potential energy; energy transformations and conservation; thermodynamics—thermal energy, temperature, and heat; basic hydraulic theory; gas laws; fluid mechanics

Waves and Energy

- Description of periodic motion; waves and wave phenomena; sound and its properties; the human voice and hearing; applications of sound; static electricity; electric fields; electric current and Ohm's law; circuits and electrical safety; magnets and magnetism; AC and DC generators and motors; transformers; electromagnets and their uses; bands of the electromagnetic spectrum; the properties of visible light; the nature of color; reflection and mirrors; refraction and lenses

Grade 10 Biology 5th Edition



Science of Life

- Creation, Fall, Redemption, the Creation Mandate, study of life, attributes of life, the energy and information of life, worldviews, nature of science, modeling, scientific method, microscopes, elements, thermodynamics, basic chemistry, physical and chemical changes, solutions, organic chemistry, ecology, ecosystems, biomes, food web, symbiosis, biochemical cycles, population growth and biodiversity, climate change, conservation, cell theory and structure, organelles, homeostasis, osmosis, membrane transport, metabolism, DNA synthesis, protein synthesis, photosynthesis, aerobic cellular respiration, fermentation, mitosis, meiosis, Mendelian genetics, genetic crosses, sex-linked traits, gene expression, population genetics, gene and chromosomal mutations, cancer, genetic engineering, historical development

of biological evolution, tenets of biological evolution, biblical views of origins, contrasting the evolutionary and biblical views of history

Science of Organisms

- Taxonomy, binomial nomenclature, use of dichotomous keys, comparison of species and kind, speciation, phylogenetic trees, archae and bacteria, bacterial structure, bacterial reproduction, control of bacteria, viruses and related organisms, diseases, protozoan classification and structure, protozoan reproduction and role in the environment, chromist classification and structure, chromist reproduction and role in the environment, evolution and protists, fungi classification and structure, fungi reproduction and role in the environment, plant classification and structure, nutrient transport in plants, plant hormones, tropisms, plant reproduction and role in the

environment for mankind's use, characteristics of animals, classification and structure of sponges, cnidarians, worms, mollusks, echinoderms and arthropods, invertebrate reproduction and roll in the environment, classification and structure of ectothermic vertebrates, the reproduction and role in the environment for fish, amphibians, and reptiles, classification and structure of birds and mammals, the reproduction and role in the environment of endothermic vertebrates

Study of Human Life

- The essence of humanity; tissues, organs, and systems; structure, function and role of the following systems in the human body: integumentary, lymphatic, skeletal, muscular, respiratory, circulatory, digestive, excretory, nervous, endocrine, and reproductive systems; human growth and development, balanced living

Grade 11 Chemistry 5th Edition



NEW

Foundations of Chemistry

- Chemistry: modeling matter, chemistry and worldview, chemistry and modeling, chemistry helps people, a biblical worldview of chemistry, doing chemistry, scientific inquiry, thinking like a scientist

Matter

- Classification of matter, organizing our study, properties and changes of matter, classification of matter, energy and matter, work and energy, conservation of mass-energy, the law of entropy, thermal energy, temperature, and heat, states of matter, changes of state

Measurements in Chemistry

- Measurement systems, metric system, unit conversion, measurements, limitations of measurements, accuracy, precision, significant figures, problem solving in chemistry, calculations with measured data

Atomic Structure

- Early thoughts about matter, investigating atoms, Dalton's model, development of atomic models, Thomson's model, Rutherford's model, completing

Rutherford's model, useful notations, isotopes

Electron Arrangement

- Bohr model, electron energy levels, the quantum mechanical model, electron configurations, valence electrons, electron dot notation, ions

Periodic Table and Elements

- Early organization, element periodicity, Mendeleev's periodic table, the modern periodic table, periodic trends, elements by their groups

Chemical Bonds

- Bonding basics, octet rule, types of chemical bonds, polarity and bond character, covalent bonding, diatomic elements, Lewis structures, ionic bonding, the structure of ionic compounds, polyatomic ions, metallic bonding, properties of compounds, using chemistry to solve problems

Bond Theories and Molecular Geometry

- Bond theories, limits of Lewis structures, orbitals and valence bond theory, molecular resonance, when the octet rule doesn't work, molecular orbital

theory, molecular geometry, VSEPR and molecular shape, orbital hybridization, a measure of polarity, water molecules designed for usefulness, seeking the perfect bonding model

Chemical Compounds

- Ionic compounds, oxidation numbers, using oxidation numbers, polyatomic ions, covalent compounds, nonmetals with multiple oxidation numbers, writing chemical formulas, naming compounds, acids, binary acids, ternary acids

Chemical Reactions and Equations

- Chemical equations, information in chemical equations, balancing equations, special symbols in equations, limitations of balanced equations, types of reactions, ionic equations

Chemical Calculations

- The mole, Avogadro's number, molar mass, types of formulas, percent composition, empirical formulas, stoichiometry, limiting reactants, percent yield

Gases

- Properties of gases, kinetic-molecular description of gases,

properties of gases, gas laws, standard conditions, Dalton's law of partial pressures: mixtures of gases, gas stoichiometry, gases in reactions, molar volume, ideal gases, ideal gas law

Solids and Liquids

- Intermolecular forces, kinetic description of solids, crystalline and amorphous solids, crystalline structures, kinetic description of liquids, effects of intermolecular attractions, vapor pressure and boiling point, distilling liquids, phase diagrams, using liquids to solve problems

Solutions

- The dissolving process, types of solutions, the dissolving process, solvent selectivity, solution equilibria, rate of solution, solubility, measures of concentration, colligative properties, suspensions and colloids, properties of colloids

Thermochemistry

- Thermodynamics and physical changes, measuring heat and temperature, enthalpy of phase changes, specific heat, thermodynamics and chemical changes, reaction tendency, chemical bonds

and enthalpy, entropy and reaction tendency, entropy changes, free-energy change, worldview conflict in thermodynamics

Chemical Kinetics

- Reaction rates, kinetics, energy diagrams, collision theory, activation energy and the activated complex, rates of reactions, reaction mechanisms, rate laws and reaction orders, kinetics in the real world

Chemical Equilibrium

- Equilibrium, equilibrium constants, Le Châtelier's principle, equilibria and industry, solution equilibrium, ionic equilibria, common-ion effect, precipitation reactions

Acids, Bases, and Salts

- Defining acids and bases, properties of acids and bases, models of acids and bases, acid-base equilibria, self-ionization of water, pH and pOH scales, acid-base strength, amphoteric substances, polyprotic acids, measuring pH, neutralization, salts, titration, buffers

Oxidation and Reduction

- Redox reactions, oxidation, reduction, oxidizing and reducing

agents, using oxidation to solve problems, balancing redox reactions, electrochemical reactions, electrochemical cells, electrolytic cells, voltaic cells

Organic Chemistry

- Organic compounds, unique carbon atom, classification of hydrocarbons, substituted hydrocarbons, alcohols, ethers, aldehydes and ketones, carboxylic acids, esters, amines and amides, organic reactions

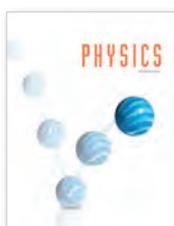
Biochemistry

- Chemistry of life, chemical reactions in cells, biochemistry and ultimate questions, carbohydrates, lipids, proteins, polypeptide chains, enzymes, nucleic acids, amino acids, worldview conflict in biochemistry

Nuclear Chemistry

- Inside the nucleus, nuclear stability, energy and nuclear changes, measuring radiation, radioactive decay, predicting types of decay, radioactive decay series, half-life, using nuclear chemistry, nuclear reactions, fission, fusion, using nuclear chemistry to solve problems

Grade 12 Physics 3rd Edition



A Framework

- The Christian worldview in which we do science in obedience to God's commandment to exercise good stewardship over the earth for His glory and for the benefit of our fellow humans; the structure and limitations of science; overview of physics; scientific methodology and modeling; the metric (SI) system of measurement as well as principles of measurement; rules for determining and using significant digits in measurements and calculations

Classical Mechanics

- Mathematical description of motion in one and two dimensions (kinematics of motion); vectors and scalars in graphical and analytical solutions; forces and the causes of motion according to Newton's laws (dynamics); friction; motion in a plane, including circular motion; motion of multibody systems; work, energy,

and total mechanical energy; conservation of energy and simple machines; momentum and its conservation, collisions, center of mass, and angular momentum; periodic and simple harmonic motion, the pendulum, damped and driven oscillations, and physical waves

Thermodynamics and Matter

- Kinetic-molecular theory of matter and the states of matter; thermal properties of matter, measuring temperature, and the gas laws; theories of heat, thermal energy, mechanisms for heat transfer; the four laws of thermodynamics; entropy and its consequences; fluid mechanics (hydrostatics and hydrodynamics)

Electromagnetics

- Electrostatics and charges; electric fields and capacitors; current, voltage, resistance, and basic DC circuits; transistor theory; magnetism and its relationship

to current and conductors; electromagnetism and alternating currents; AC circuit characteristics

Geometric Optics and Light

- The electromagnetic spectrum, sources and propagation of light; reflection and mirrors; refraction and lenses; wave interference, diffraction, and polarization; intensity and color of light; optical instruments (telescopes, microscopes, etc.)

Modern Physics

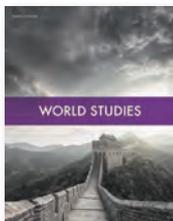
- Relativity: Galilean, special, and general relativity; quantum physics: quantum theory, quantum mechanics, the atom, and modern atomic models; nuclear physics: radiation and radioactivity, radioactive decay, nuclear reactions, and elementary/subatomic particles



Heritage Studies

Grade 7 World Studies

4th Edition



Topic

- World cultures (1100 AD to the present)

Geography

- Influence of geography on the development of civilizations

History

- Chronological and cultural approach to world studies

Government

- Comparative world governments in history

Economics

- Comparative economics historically and geographically

Religion

- Historical comparison of world religions (especially Islam) to Christianity

Culture

- Arts; sciences; ways of life in the past and the present

Grade 8 The American Republic

4th Edition



Topic

- American history

Geography

- Geographic development of the United States through land acquisition; profiles of major geographic regions

History

- Introduction to the history of America

Government

- Republican form of government under the Constitution

Economics

- Development and effects of inventions and industries; successes and problems of the free market

Religion

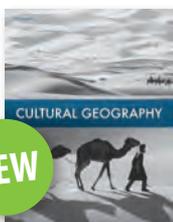
- Influence of Christianity on American history; influences of religious diversity

Culture

- Interaction of people, ideas, and cultures in America

Grade 9 Cultural Geography

5th Edition



Topic

- Physical and human geography and their interactions

Geography

- Complete survey of geographic principles and regions; map skills

History

- Geographic approach to key historic events

Government

- Overview of types of governments; current issues

Economics

- Influence of land, climate, and resources on national economics

Religion

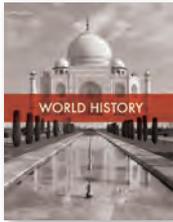
- Stewardship of resources; status of Christianity; geography of Bible lands; comparative world religions; world missions

Culture

- Eight cultural regions and their influence on lifestyles, language, arts, and culture

Grade 10 World History

5th Edition



Topic

- World history

Geography

- Chronological survey of physical and political geography

History

- Chronological survey of world history from creation to the present with added coverage of non-Western civilizations

Government

- The relationship between Christians and the world's political systems

Economics

- Comparative economics from both a historical and a geographical perspective

Religion

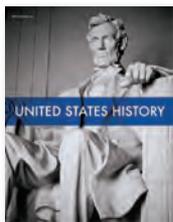
- Focus on western, Judeo-Christian heritage and Islam, while also surveying the religions of Asian, African, and Latin American cultures

Culture

- Examination of how individuals have carried out the Creation Mandate, including the development of their God-given talents in the fields of art, music, literature, and science

Grade 11 United States History

5th Edition



Topic

- United States history

Geography

- Influence of physical geography on American history

History

- Chronological survey of American history from European discovery to the present

Government

- Structure of American government; the Constitution

Economics

- Development of free-enterprise system and effects of government involvement

Religion

- Contributions of various religions, especially Christianity, to America's heritage

Culture

- Integration of various facets of American culture; cultural change

Grade 12 American Government

4th Edition



Topic

- American government

Geography

- References to political geography

History

- Historical perspective of the phases of American government

Government

- Thorough analysis of all levels and all branches of American government

Economics

- Taxation, government funding, and foreign policy impact on U.S. economy

Religion

- Scriptural foundation for law and government; influence of Christianity in America

Culture

- Interest groups; mass media; American political behavior

Economics

3rd Edition



Topic

- Economics

History

- Biographies of fifteen influential economists

Government

- Comparative economic systems; business and competition; money and banking; national economic concerns, such as productivity, unemployment, and inflation

Economics

- Survey of basic economic topics, including supply and demand and the circular flow of income and products
- Promotes free-market ideals

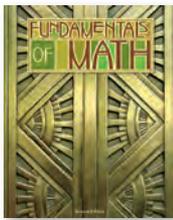
Religion

- Scriptural principles applied to all areas of economics

Culture

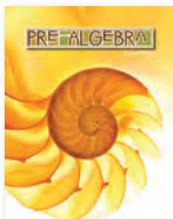
- Analysis of personal economic concerns, such as budgeting, managing credit, saving, and financial planning

Grade 7 Fundamentals of Math 2nd Edition



- **Whole numbers:** comparing and ordering; estimating; operations; exponents; roots of perfect squares
- **Decimals:** comparing and ordering; rounding; approximating square roots; operations; estimating square roots; scientific notation
- **Number theory:** divisibility; factors; prime and composite numbers; GCD and LCM; converting to and adding in other number bases
- **Fractions:** equivalent fractions; mixed numbers; comparing and ordering; operations; order of operations
- **Rational numbers:** ratio and proportion; solving proportions; scale drawings; decimals as rational numbers; finding a percent (part) of a number; finding the percent; finding the whole amount
- **Using percents:** enlargement and reduction; sales tax; discounts; sale price; simple interest; commission; percent change
- **Measurements:** customary units of length, capacity, and weight; SI (metric) units of length, capacity, and mass; renaming metric units; time zones; temperature conversions; precision
- **Geometry:** measuring angles; pairs of angles; perpendicular and parallel lines; transversal of parallel lines; polygons; circles; perimeter and circumference; Pythagorean Theorem; congruent and similar figures
- **Area and volume:** area of quadrilaterals, triangles, and circles; areas of similar figures; surface area of prisms, cylinders, and pyramids; volume of prisms and cylinders
- **Probability and statistics:** fundamental principle of counting; permutations; probability; mean, median and mode; circle, bar, and line graphs; histograms; box-and-whisker plots; stem-and-leaf diagrams
- **Integers:** ordering; operations; applying order of operations; expansion to and properties of the real numbers
- **Algebra:** evaluating expressions; solving one- and two-step equations; solving one- and two-step inequalities
- **Relations and functions:** coordinate plane; functions and function rules; graphing linear functions; slope; translation of figures in a plane
- **Logic and set theory:** statements and negations; compound and conditional statements and negations; truth tables; sets and subsets; union and intersection of sets; finite and infinite sets

Grades 7–8 Pre-Algebra 2nd Edition



- **Integers:** absolute value; operations; exponents; order of operations; scientific notation
- **Expressions:** real-number properties; evaluating and simplifying expressions; translating word phrases; rounding and estimating results of operations
- **Equations:** solving two-step equations; removal of parentheses; subsets of the real numbers; irrational numbers; solving linear inequalities; applying equations and inequalities
- **Number theory:** prime factorization; GCD and LCM; arithmetic and geometric sequences; number bases other than 10, including hexadecimal; operations in other bases
- **Rational numbers:** forms of; ordering fractions and decimals; decimal equivalents of fractions; conversion of repeating decimals to fractions; ratios and proportions; subsets and properties of real numbers
- **Operations on rational numbers:** operations; evaluating and simplifying expressions; solving equations involving rationals; operations in scientific notation
- **Percents:** solving percent equations; applying percents; scales; discount, markup, commissions, tips, and interest (including compound); percent change
- **Applications:** equations with variables on both sides; writing and solving equations and inequalities
- **Relations and functions:** coordinate plane; functions; graphing linear functions and linear inequalities; slope; direct variation
- **Statistics and probability:** population and sample; mean, median, and mode; scatterplot; quartiles; box-and-whisker; stem-and-leaf; histograms; choosing the correct type of graph; permutations; combinations; probability
- **Radicals:** square roots; radical equations; equations with radicals; equations of the form $ax^2 + b = c$; Pythagorean theorem; operations with radicals; cube roots
- **Geometry:** pairs of angles; polygons; perimeter and circumference; congruence and similarity; 30–60 and 45–45 right triangle ratios; distance and midpoint formulas; symmetry and transformation
- **Areas and volumes:** areas of quadrilaterals, triangles, and circles; relation of lengths and areas of similar regions; surface areas of prisms, cylinders, pyramids, cones, and spheres
- **Polynomials:** definition of a polynomial; operations with polynomials, including multiplying binomials and dividing a polynomial by a monomial

Grades 8–9 Algebra 1 3rd Edition



- **Operations:** review of real numbers, number lines, absolute value, arithmetic operations of integers and rational numbers, exponents, and order of operations
- **Variables and equations:** using variables, algebraic expressions, and formulas; writing and solving linear equations
- **Using algebra:** solving literal equations and proportions; applying equations to applications involving similar figures, percentages, money, motion, and mixtures
- **Solving inequalities:** linear inequalities, including conjunctions and disjunctions; absolute-value equations and inequalities
- **Relations and functions:** representing relationships between data, using graphs, equations, and tables; direct and inverse variations; graphing absolute-value functions
- **Linear functions:** graphs, slopes, and intercepts of linear equations; determining the equation of a line; parallel and perpendicular lines; correlation and lines of fit; graphing linear inequalities
- **Systems of equations and inequalities:** solving systems graphically, by substitution, and by elimination; applications of systems
- **Exponents:** products, quotients, and powers of exponential expressions; scientific notation; graphing exponential functions; exponential growth and decay
- **Polynomials:** classification, evaluation, operations, special patterns
- **Factoring:** common monomials, trinomials, special patterns
- **Radicals:** simplification and operations with radicals; Pythagorean theorem, distance and midpoint formulas; solving radical equations and graphing radical functions; applications
- **Quadratic equations:** solving by factoring, taking roots, completing the square, and the quadratic formula; graphing parabolas and finding zeros; applications
- **Rational expressions and equations:** simplification and operations with rational expressions; solving rational equations; applications (Each chapter includes a feature on sequences and graphing calculator tips.)

Grades 9–11 Geometry 4th Edition



- **Foundations of geometry:** sets; definitions; incidence postulates and theorems; segment and angle measure; circles; polygons; polyhedrons
- **Reasoning and proof:** inductive and deductive reasoning; truth tables; proofs using angles and segments; bisectors; constructions
- **Parallel and perpendicular lines:** characteristics; proofs; constructions; and coordinate geometry
- **Congruent triangles:** angles in triangles; congruence postulates and theorems; flow-chart proofs; right triangles; midsegments
- **Relationships in triangles:** circumcenter; incenter; orthocenter; centroid; indirect proof; triangle inequalities; constructions
- **Quadrilaterals:** classification; characteristics; proofs; analytic geometry related to trapezoids; kites; parallelograms; squares; rectangles; and rhombii
- **Area:** postulates; polygons; Pythagorean Theorem; special triangles; regular polygons; and circles
- **Circles:** chords; tangents; arc length; sectors; inscribed angles; secants; constructions; graphs
- **Surface area and volume:** nets; prisms; cylinders; pyramids; spheres; non-Euclidean geometry; perspective
- **Transformations and symmetry:** reflections; translations; rotations; dilations; invariants; symmetry; applications
- **Similarity:** triangles; right triangles; proportions; chords and tangents of circles; golden ratio
- **Trigonometry:** basic ratios; solving right triangles; applications; vectors; areas; identities

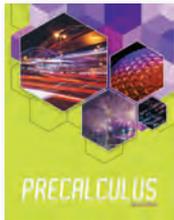
Grades 10–12 Algebra 2 3rd Edition



- **Operations:** real and complex numbers; polynomial; matrix; function
- **Linear equations:** solving equations and inequalities; absolute value equations and inequalities; distance on number lines; word problems; compound inequalities
- **Linear relations:** graphs of linear functions; slopes; special functions; linear inequalities; distances and midpoints; modeling with linear regressions
- **Systems:** solved graphically and algebraically; systems of inequalities; systems of three variables; problem solving; linear programming
- **Matrices:** organizing data; operations; determinants; solving systems using Cramer's rule and inverse matrices; transformations
- **Quadratic equations:** solving by factoring, taking roots, completing the square, and the quadratic formula; using the discriminant; complex roots; quadratic inequalities
- **Polynomial functions:** roots, graphing, and modeling with quadratic and polynomial functions; problem solving; rational root, remainder, and factor theorems; fundamental theorem of algebra
- **Radicals, exponents, and logarithms:** rational exponents; inverse functions, simplifying expressions; solving equations, graphing and modeling with radical, exponential, and logarithmic functions; natural and common logarithms
- **Rational expressions:** simplifying; solving equations; graphing; variations
- **Trigonometry:** right triangle and coordinate plane trigonometry; special triangles and the unit circle; radians; graphs of trigonometric functions and inverse functions
- **Trigonometric identities:** law of sines; law of cosines; problem solving; proving identities; trigonometric equations
- **Sequences and series:** explicit and recursive formulas; arithmetic and geometric sequences and series; summation notation
- **Probability and statistics:** counting principles; theoretical and experimental probabilities; independent, dependent, and mutually exclusive events; binomial distribution, descriptive statistics, representing data; normal distributions; making inferences
- **Analytic geometry:** circles; parabolas; ellipses; hyperbolas; systems of quadratic relations

Grades 11–12 Precalculus

2nd Edition



- **Analyzing functions:** relations; linear, quadratic, power, and piecewise functions; continuity, transformations, and operations of functions, parametric representations and modeling with functions
- **Radical, polynomial, and rational functions:** describing zeros, asymptotes, and end behavior of radical, polynomial, and rational functions and solving related equations and inequalities
- **Exponential and logarithmic Functions:** graphing, applying properties, solving equations, and modeling
- **Trigonometric functions:** angle and arc measures; trigonometric functions in a right triangle, for other angles, and of real numbers; graphs of trig functions; inverse trig functions
- **Trigonometric identities and equations:** derive and verify identities; use identities to solve equations; derive and apply the law of sines and law of cosines.
- **Vectors, polar graphs, and complex numbers:** describe and perform operations on 2-D and 3-D vectors; graph polar coordinates and equations; represent and perform operations on complex numbers in polar form.
- **Systems and matrices:** using Gaussian elimination; determinants, and inverse matrices to solve systems of equations and inequalities; decomposing into partial fractions
- **Analytic geometry:** analyzing parabolas, ellipses, circles, and hyperbolas; rotated conics; parametric and polar representations
- **Sequences and series:** recursive and explicit formulas; arithmetic and geometric sequences; summations; the binomial theorem; mathematical induction
- **Descriptive statistics:** counting principles and basic probability; graphic representations; measures of central tendency and variability; normal distributions
- **Inferential statistics:** probability distributions; the central limit theorem; confidence intervals; hypothesis testing; research studies
- **Limits, derivatives, and integrals:** limit theorems; tangents to the curve; derivative theorems including product, quotient, and chain rules; area under a curve and integration; the fundamental theorem of calculus

Grades 11–12 Consumer Math

3rd Edition



- **Math skills:** fractions, decimals, integers; problem solving using proportions and percent; solving linear equations; negative exponents to prepare for finance formulas
- **Measurement:** customary and SI (metric) units; conversion within and between systems using dimensional analysis; perimeter, circumference, area, volume, and capacity
- **Income:** calculating hours worked from clock times, gross pay including overtime; payroll deductions, including FICA and federal withholding; buying and selling stocks and bonds, including brokerage fees
- **Budgeting:** a standardized budget; an annual budget; reducing annual budget to monthly or weekly; emergency adjustments; revising the annual budget
- **Banking:** checking accounts and deposits; overdraft penalties and protection; service charges; reconciling a bank statement; simple interest; compounding interest; interest on savings using the minimum balance or daily interest methods; effective interest rate; savings programs with regular deposits
- **Borrowing:** simple interest loans; add-on loans and annual percentage rate; discount loans; amortized loans; how credit cards work; how interest is calculated and payments are applied to credit accounts
- **Transportation:** calculating the finance charge and monthly payment for a new car; depreciation; leasing costs including residual value, mileage penalty; car insurance; cost of gas, oil, and tires; scheduled maintenance and repair costs
- **Food:** store specials and coupons; unit prices; calculating freezer payback periods; consumer price index; calorie counting; finding the calories expended in activities
- **Clothing:** planning for seasonal buying; calculating discounts including multiple ones; online shopping; internet buying tips; savings from making clothing; retail marketing of clothing, returns, net profit and gross profit margin; markup rate and break-even point for retailer
- **Housing:** renting; buying a house, including down payments, closing costs, points, and monthly payments; owner's equity; building a house, including converting dimensions to scale for a set of plans; finding the area of rectangular lots in acres; calculating the amount of shingles needed from a house plan, allowing for pitched roofs
- **Maintaining a home:** real-estate tax based on millage rates; homeowner's insurance; calculating utility charges for electricity, gas, water, and sewer; communications; calculating house repairs, maintenance, and home improvements
- **Life and health insurance:** mortality tables; term, whole-life, and universal life insurance; health insurance, including payout of benefits; Social-Security retirement benefits
- **Income taxes:** general principles of calculating federal income taxes; 1040EZ, 1040A, and 1040, including extra schedules A and B and Form 2441 for childcare benefits
- **Vacations:** costs of food and lodging; cost of transportation; getting around at the site; travel times across time zones; economizing admissions

Writing & Grammar



Grade 7 Writing & Grammar 4th Edition



Parts of Speech (and Verbals)

- Noun; pronoun; verb (simple tense and perfect tenses); adjective; adverb; preposition; conjunction (coordinating, correlative, subordinating); interjection; verbals (participle, infinitive, gerund, verbal phrases with modifiers, functions as different parts of speech)

Sentence Structure

- Sentence patterns (S-InV, S-TrV-DO, S-TrV-IO-DO, S-LV-PN, S-LV-PA); introduction to dependent clauses; sentence types (declarative, interrogative, imperative, exclamatory); clause structure (simple, compound, complex, compound-complex); sentence errors (fragments, comma splices, fused sentences)

Mechanics

- Capitalization; punctuation; spelling

Usage

- Subject-verb agreement; pronoun-antecedent agreement; pronoun reference; troublesome words; misplaced modifier; dangling modifier

Writing Skills

- Writing process (planning, drafting, revising, proofreading, publishing); paragraph development (fact, example, statistic, incident/anecdote, sensory detail, reason); paragraph organization (chronological, spatial, order of importance); paragraph unity; style (precise words, showing not telling, effective fragments, strong action verbs, adding details, rhythm, expanding

sentences, tightening writing with appositives, combining sentences, figurative and fresh language); voice; point of view

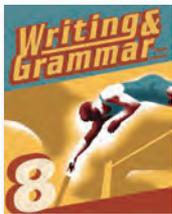
Examples of Writing Projects

- Argumentative writing, article writing, informative writing, narrative writing

Reference and Study Skills

- Parts of a book (title page, copyright page, table of contents, list of illustrations, acknowledgments, introduction/preface, text, bibliography, appendix, glossary, index); scheduling study time; memory techniques; reading comprehension (definitions, restatements, examples, word parts); test-taking strategies (classroom tests, standardized tests)

Grade 8 Writing & Grammar 3rd Edition



Parts of Speech (and Verbals)

- Review of all from Grade 7 plus the following new material: pronoun—relative; verb—progressive tense, passive voice; conjunction—correlative; verbals—participle, infinitive, gerund, verbal phrases with modifiers, functions as different parts of speech

Sentence Structure

- Review of all from Grade 7 plus the following new material: dependent clause—adjective clause

Mechanics

- Capitalization; punctuation; spelling

Usage

- Review of all from Grade 7

Writing Skills

- Review of all from Grade 7 plus the following new material: essay—thesis statement, outlining; introductory and concluding paragraphs

Examples of Writing Projects

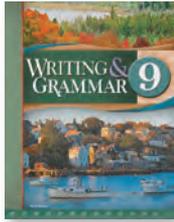
- Description: travel brochure, character profile
- Exposition: news story, business letter
- Narration: autobiography, fable
- Persuasion: debate script, print advertisement

Study & Reference Skills

- Review of all from Grade 7 plus the following new material: dictionary—usage label

Grade 9 Writing & Grammar

3rd Edition



Parts of Speech (and Verbals)

- Review of all from Grade 8 plus the following new material: noun—collective; verb—indicative and imperative moods; adjective—determiner; adverb—qualifier, relative; preposition—phrasal; conjunction—subordinating; verbals—verbal phrases with objects

Sentence Structure

- Review of all from Grade 8 plus the following new material: dependent clause—adverb clause; clause structure—compound-complex

Mechanics

- Capitalization; punctuation; spelling

Usage

- Review of all from Grade 8 plus the following new material: modifier placement—misplaced modifier, two-way modifier, dangling modifier

Writing Skills

- Review of all from Grade 8 plus the following new material: paragraph development—comparison/contrast; style—conciseness, smoothness, fresh words; sentence variety—length and complexity, sentence patterns, sentence beginnings; sentence expansion and reduction—dependent clauses, phrases, single words; sentence logic—misplaced and dangling modifiers; parallelism; avoiding biased language

Examples of Writing Projects

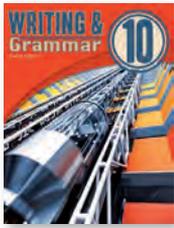
- Description: comparison/contrast paper
- Exposition: five-paragraph research essay, storyboard (public service announcement)
- Narration: personal experience
- Persuasion: devotional
- Poetry: quatrain, diamante

Study & Reference Skills

- Review of all from Grade 8 plus the following new material: dictionary—inflected forms, variant spellings, field label, stylistic label; library—Cutter number; reference tools—*New York Times Index*, subject index, yearbook, Bible commentary; reading comprehension—comparison and context; test-taking strategies—analogy

Grade 10 Writing & Grammar

4th Edition



Parts of Speech (and Verbals)

- Review of all from Grade 9 plus the following new material: verb—subjunctive mood; pronoun—indefinite, relative, reciprocal; adverb—conjunctive; verbals—perfect gerund, passive infinitive

Sentence Structure

- Review of all from Grade 9 plus the following new material: sentence patterns—*S-be-AdvI*, *S-TrV-DO-OC*; dependent clause—noun clause

Mechanics

- Capitalization; punctuation; appendix of spelling rules

Usage

- Review of all from Grade 9 plus the following new material: modifier placement—split infinitive

Writing Skills

- Review of all from Grade 9 plus the following new material: essay—choosing a mode; sentence variety and emphasis—choosing between constructions, coordination and subordination; sentence energy—action verbs, details, accuracy, figurative language; sentence logic—logical comparison, clear comparison, subject placement

Examples of Writing Projects

- Description: eyewitness report
- Exposition: research essay, cause-and-effect essay
- Narration: short story, oral anecdote
- Persuasion: persuasive speech, editorial
- Poetry: poetry and metaphor
- Multimedia: webpage design

Study & Reference Skills

- Review of all from Grade 9 plus the following new material: library—website, bibliography, online databases; reading comprehension—grammatical context; test-taking strategies—essay questions

Grade 11 Writing & Grammar

3rd Edition



Parts of Speech (and Verbals)

- Review of all from Grade 10 plus the following new material: verb—verb-adverb combinations; adverb—indefinite relative, interrogative; conjunction—phrasal subordinating; verbals—perfect participle, passive gerund, perfect infinitive, progressive infinitive, elliptical infinitive

Sentence Structure

- Review of all from Grade 10 plus the following new material: sentence patterns—retained object in passive sentence

Mechanics

- Capitalization; punctuation; appendix of spelling rules

Usage

- Review of all from Grade 10 plus the following new material: pronoun shift; verb tense consistency and sequence

Writing Skills

- Review of all from Grade 10 plus the following new material: paragraph organization—cause-and-effect order, comparison-and-contrast order; sentence energy—pauses for breath; parallelism—clarity; sentence logic—direct expression, logical predication, avoiding mixed constructions, using noun clauses when needed, ending in strength, linking with new information

Examples of Writing Projects

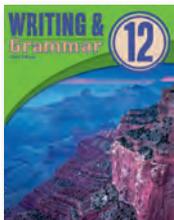
- Description: interview
- Exposition: formal-research paper, analytical essay, critical response to literature
- Narration: narrative poem, folktale
- Persuasion: letter to editor
- Poetry: hymn

Study & Reference Skills

- Review of all from Grade 10 plus the following new material: reference tools—literary index, literary sources

Grade 12 Writing & Grammar

3rd Edition



Parts of Speech (and Verbals)

- Review of all from Grade 11 plus the following new material: verbals—passive participle

Sentence Structure

- Review of all from Grade 11 plus the following new material: absolute phrase

Mechanics

- Capitalization; punctuation; appendix of spelling rules

Usage

- Review of all from Grade 11 plus the following new material: idiomatic use of prepositions

Writing Skills

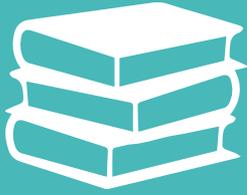
- Review of all from Grade 11 plus the following new material: paragraph development—quotation, visual aid

Examples of Writing Projects

- Description: descriptive essay, comparison/contrast essay
- Exposition: research report, response to a dramatic scene (literary analysis)
- Narration: dramatic scene, interior monologue
- Persuasion: persuasive essay
- Poetry: sonnet
- Multimedia: video report

Study & Reference Skills

- Review of all from Grade 11



Literature

Grade 7 Exploring Themes in Literature

5th Edition



Approach

- Thematic

Organization

- Six themes: love, community, transformation, justice, perseverance, purpose

Content

- Genres represented: autobiography, biblical narrative, biography, comic strip, coming-of-age story, drama, dramatic dialogue, essay (humorous, persuasive), fantasy, folktale (fairy tale, fable, myth, tall tale), historical fiction, hymn, informational text, interview, legend, letter, memoir, narrative nonfiction, nonsense literature, novel excerpt (includes verse novel excerpt), opinion piece, poetry (includes free verse and narrative), science fiction, short story, speech
- Cultures represented: Caucasian

American, Hispanic American, African American, Native American, Chinese, British, Russian, Vietnamese

Features

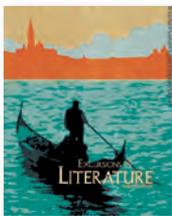
- This book is arranged by thematic units. Each unit opener contains an illustration, a unit theme, and a unit Essential Question. Selections within each unit require reading with discernment, a goal toward which all literature teachers hope to direct their students. Each unit also contains writing opportunities.
- A Before Reading page precedes each selection and introduces students to a Big Question, the genre of the text selection, and two reading tasks: analyzing a work for its technical features (Author's Craft) and employing a reading comprehension strategy

(Reader's Craft). The Big Question provides an opportunity for biblical worldview shaping. The two tasks help students develop writing skills and critical-thinking skills.

- During Reading questions, which appear throughout each selection in the margin, guide students through the two reading tasks.
- On an After Reading page, students answer Think & Discuss questions, many of which require them to demonstrate a high level of understanding of the concepts traced throughout their reading and the lesson. These pages also include short biographical sketches of individual authors.
- Unit Review pages ask questions about key terms and concepts.

Grade 8 Excursions in Literature

3rd Edition



Approach

- Thematic

Organization

- Six themes: friends, choices, heroes, discoveries, adventurers, viewpoints

Content

- Genres represented: short fiction, novel, drama, poetry, hymns, folktale, personal essay, humorous essay, diary
- Cultures represented: American,

English, French, Japanese, Norwegian, Cuban, Chinese, Irish, Czech, New Zealand, Greek, Burmese, South African, German, Dutch, Yiddish, Polish

Features

- The book contains introductory essays that acquaint the student with the unit themes. Selections within each of the units require reading with discernment, a goal toward which all literature teachers hope to direct their students.

“Thinking Zone” question pages introduce students to terms and concepts used in literary analysis. Questions progress from literal to interpretive to critical to appreciative and guide the students in evaluating the literature and applying the associated concepts. Unit review pages ask questions about key terms and concepts. The text also includes short biographical sketches of individual authors.

Grade 9 Fundamentals of Literature

2nd Edition



Approach

- Critical

Organization

- Six unit divisions: conflict, theme, character, structure, point of view, moral tone

Content

- Range of selections: classic to contemporary
- Genres represented: fiction, nonfiction, poetry, drama
- Cultures represented: American,

English, French, Russian, Swedish, Japanese

- Supplementary material: *Cyrano de Bergerac* (video)

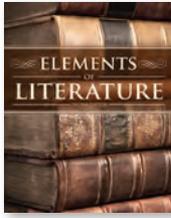
Features

- The introductory essays focus on six basic elements of literature. These elements lay the foundation for the student's understanding of interpretive literature and prepare him for the more detailed literary analysis in the tenth-grade text. In addition,

the text uses Scripture passages to illustrate and clarify literary concepts. The unit introduction as well as the headnotes and end questions for each story encourages the student to use the information gleaned from reading to find meaning, to analyze that meaning in light of Scripture, and to apply the lessons to life.

Grade 10 Elements of Literature

2nd Edition



Approach

- Critical

Organization

- Eight units divided into two parts: marks and modes of literature and genres of literature

Content

- Marks and modes of literature: imaginative comparison, sound and syntax, allusion and symbol, irony
- Genres of literature: folktale and epic, essay and short story, poetry, drama

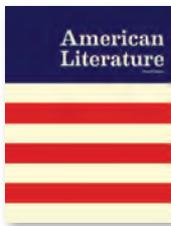
Features

- This textbook builds on the critical foundation provided in the ninth-grade text. Having mastered the six fundamental components of literature, students are ready to focus on those literary elements that define and distinguish lasting artistic literature. Introductory essays, “Thinking Zones,” and critical-thinking questions deepen students’ understanding of key elements of style and expression as well as major forms important

to past and present literature. A firm grasp of these details will aid in developing essential skills in literary analysis and appreciation, skills that can be profitably applied to a study of Scripture. In addition, careful evaluation of worldview as expressed in an author’s writing trains students to exercise biblically based moral discernment.

Grade 11 American Literature

3rd Edition



Approach

- Historical survey emphasizing close reading skills

Organization

- Five major literary divisions: early American literature, American romanticism, American realism and naturalism, modern American literature, contemporary American literature

Content

- Early American literature: settlement, religious experience, revolution
- American romanticism: minor romantics (Knickerbockers, New England School), major romantics (transcendental optimists, transcendental pessimists), voices of conflict
- American realism and naturalism: regionalists, realists and

naturalists

- Modern American literature: modern poetry, modern prose and drama
- Contemporary American literature: contemporary poetry, contemporary prose

Features

- The units are arranged according to major literary periods. Timelines, unit and chapter introductions, author biographies, and brief headnotes help students build necessary background knowledge of the historical and cultural context from which a literary work arises.
- A before-reading page precedes each selection and introduces students to three reading tasks: analyzing a work for its technical features, employing a reading

strategy to aid comprehension, and evaluating a work’s ideas from a biblical worldview. These three tasks help students develop critical-thinking skills and a deep understanding of the ideas and writings of literary and historical figures.

- During-reading questions, which appear throughout each selection in the margin, guide students through the three reading tasks.
- Discussion questions, which students answer after reading, require them to demonstrate a high level of understanding of the work’s literary concepts and themes.

Grade 12 British Literature

3rd Edition



Approach

- Historical survey emphasizing close reading skills

Organization

- Five major literary divisions: the Middle Ages, the English Renaissance, Civil War to Enlightenment, Romanticism to Victorianism, Modern and Contemporary Literature

Content

- This historical approach to a survey of British literature is organized according to five major units:
- **The Middle Ages**
Part 1: Heroes of Old
Part 2: Literature and Community
Part 3: Changing Society
- **The English Renaissance**
Part 1: Renaissance Humanism
Part 2: Reformation and National Identity
Part 3: Lyric and Metaphysical Poetry
Part 4: Renaissance Drama

Civil War to Enlightenment

- Part 1: Civil War and Restoration
- Part 2: Early Neoclassical Writers
- Part 3: Age of Johnson
- Part 4: Voices from the Outside

Romanticism to Victorianism

- Part 1: Signs of Change
- Part 2: The Major Romantics
- Part 3: Early Victorians
- Part 4: Late Victorians

Modern and Contemporary Literature

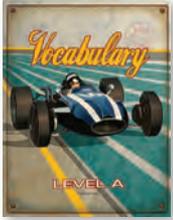
- Part 1: Modern Literature
- Part 2: Postwar and Commonwealth Literature

Features

- The units are arranged according to major literary periods. Timelines, unit and part introductions, author biographies, and brief headnotes help students build necessary background knowledge of the historical and cultural context from which a literary work arises.
- A before-reading page precedes each selection and introduces

students to three reading tasks: analyzing a work for its technical features, employing a reading strategy to aid comprehension, and either evaluating a work’s ideas from a biblical worldview or creating a new work using the selection as a model. These tasks help students develop writing skills, critical-thinking skills, and a deep understanding of the ideas of important literary and historical figures.

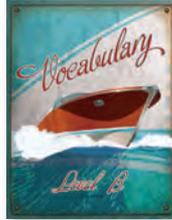
- During-reading questions, which appear throughout each selection in the margin, guide students through the three reading tasks.
- Discussion questions, which students answer after reading, require them to demonstrate a high level of understanding of the work’s literary concepts and themes.

Grade 7**Vocabulary:** Level A
3rd Edition**Approach**

- The texts use context as a major means of learning.

Plan

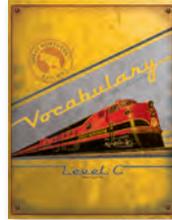
- Each text includes 15 two-part lessons, 15 cumulative reviews, and a supplement containing various means of reinforcement and vocabulary-building exercises (games, puzzles, contests, etc.).

Grade 8**Vocabulary:** Level B
3rd Edition**Content**

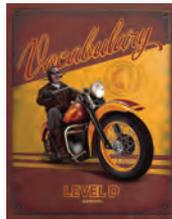
- These texts focus on Latin prefixes and roots, synonyms, antonyms, homonyms, word families, concise words, denotation, and connotation.

Features

- The texts use a variety of learning methods, including word stories and spelling helps. Lessons incorporate biblical stories with a

Grade 9**Vocabulary:** Level C
3rd Edition

- focus on character building and are often related to other subjects students may be learning.

Grade 10**Vocabulary:** Level D
3rd Edition**Approach**

- The texts use context as a major means of learning.

Plan

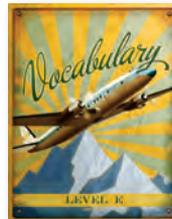
- Each text includes 15 two-part lessons, 15 cumulative reviews, and a supplement containing various means of reinforcement and vocabulary-building exercises (games, puzzles, contests, etc.).

Features

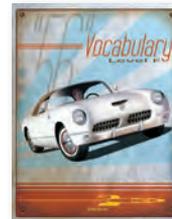
- The texts use a variety of learning methods, including word stories and spelling helps. Lessons incorporate biblical stories with a focus on character building and are often related to other subjects students may be learning.

Content

- This text focuses on Greek prefixes and roots, clipped words, compounds, blends, diminutives, reduplication, and onomatopoeic words.

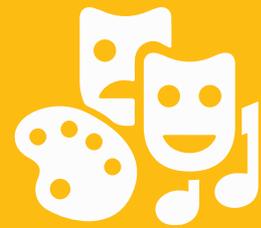
Grade 11**Vocabulary:** Level E
3rd Edition**Content**

- This text focuses on sources of English words, coined words, French words, Greek and Latin loan words, allusions, back-formation, and folk etymology.

Grade 12**Vocabulary:** Level F
3rd Edition**Content**

- This text focuses on changes in word meanings (broadening and narrowing, strengthening and weakening, etc.), words from other languages, native English words, and number words (e.g., *semi-*, *bi-*, *prime*, *decimate*).

Electives



Grades 9–12 Spanish 1 3rd Edition



The *Spanish 1* textbook follows an innovative, standards-based approach to language learning that will help students develop their ability to use Spanish in all three modes of communication (interpretive, presentational, interpersonal). The text is organized thematically and supports students as they learn to describe, make comparisons, give

commands, and narrate in present time in the following contexts:

- School-related activities
- Family and life at home
- Activities in town
- Pastimes, sports, and ministry
- Travel and missions
- The workforce

Biblical worldview is heavily emphasized in the text as the

students learn about how to show biblical love to their Hispanic neighbors, how to share the gospel, and how to evaluate cultural products, practices, and perspectives from a biblical point of view.

Grades 10–12 Spanish 2 3rd Edition



Spanish 2 follows the same standards-based approach from *Spanish 1*, presenting everyday situations in a communicative context with the goal of language proficiency. The textbook starts by offering a substantial review of content from *Spanish 1*, and then focuses on past narration at a moderate pace in all three modes of communication (interpretive, interpersonal, and presentational). The book ends by showing how

to talk about future plans and how to explain things even when circumstances change. Students learn important language functions such as:

- getting around town
- describing past events in your family
- describing tasks done at home
- describing problems to a doctor
- describing routines in the past
- predicting that things will happen

At the heart of the book, students learn to develop and deliver their own personal testimony of salvation in order to share the gospel with people from Spanish-speaking cultures.

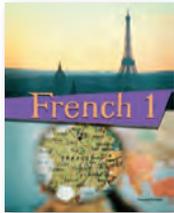
Grades 11–12 Spanish 3



This textbook contains twelve chapters that are divided into three lessons each and include letters, tips, cultural facts, Scripture verses, and stories from missionaries. It develops grammar concepts, vocabulary, and questions for oral communication. Students learn to give devotionals, tell Bible stories, follow a recipe, act as tour guides, make comparisons, and retell events using various verb tenses.

Verb forms reviewed or introduced include the present, stem-changing, imperfect, present perfect, preterite, future, conditional, past perfect, future perfect, conditional perfect, formal and familiar imperatives, and subjunctive moods in both present and past tenses.

Grades 9–12 French 1 2nd Edition



The curriculum uses a functional approach that cultivates the student's ability to both understand and communicate in spoken and written French:

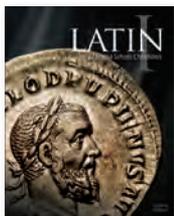
- greeting and leave-taking
- asking and answering simple questions
- expressing simple feelings and opinions
- using numbers in everyday contexts
- giving and following directions

- ordering food in a restaurant
- narrating and describing in the present tense
- relating past events
- relating future plans and events
- giving the gospel message in a simple manner

French 1 is divided into seventeen chapters plus one review chapter. Each chapter includes vocabulary, dialog, grammar, pronunciation, and culture sections. The grammar sections teach gender,

number, and subject-verb agreement; present, *passé composé*, and future tenses; possession, negation, and direct and indirect object pronouns. Chapter topics include making acquaintances, family, housing and furnishings, going to town, shopping, going to a restaurant, weather, writing letters, the doctor's office, school, witnessing, sports and hobbies, the countryside, and the train station.

Grades 9–12 Latin 1 2nd Edition



The curriculum blends inductive and deductive teaching.

- The format is conversational.
- Understanding precedes memorization.
- Context derivatives are used to teach vocabulary.
- English borrowings from Latin are emphasized: derivatives and loan phrases.
- The declension and conjugation formats are traditional.

- "Real" Latin is introduced early and used throughout. This includes quotations from famous Roman writers and Latin translations of Scripture.
- Roman history is presented chronologically: kingdom, republic, empire.

The text contains twenty-three chapters, each including vocabulary, grammar, historical information, derivatives and loan words,

and one or more paragraphs in Latin. At the conclusion of each chapter is a summary section called "Essential Information," which helps to prepare the student for the chapter test. The activity manual contains extensive practice for all the concepts taught.

Grades 10–12 Latin 2

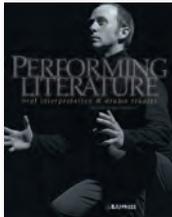


This second-year Latin text contains eighteen chapters and covers an overall view of Roman history through excerpts of Roman authors. Julius Caesar's writings provide much of the information, and there are other authors, including Cicero.

The beginning lessons are a review of first-year Latin. The subjunctive mood is introduced and compared to the indicative. As the lessons progress, more vocabulary and grammar rules are introduced and are seen in the historical writings.

Grades 9–12

Performing Literature



Approach

- The text provides comprehensive instruction and skill-building activities to enable students to perform dramatic pieces at school or at home and to do so in a Christlike way.

Organization & Content

- The text provides comprehensive instruction and skill-building activities through eight fully developed performance projects, including Scripture narrative,

sonnet, monolog, storytelling, chamber theater, duo acting, radio segment, and a final project.

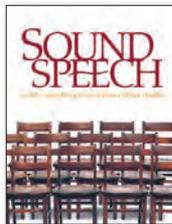
Features

- The text includes grading rubrics for major performances, student worksheets, journal ideas, and appendices containing performance pieces and drama resources.

Grades 9–12

Sound Speech

2nd Edition



Approach

- The text teaches the student to speak clearly and concisely and to use his speaking skills to honor Christ.

Organization & Content

- The text presents the fundamentals of public speaking from platform presence to persuasion. It features special chapters on choosing topics, researching, organizing, and communicating in the workplace. It provides

detailed instruction about the following types of speeches: personal opinion, persuasive, devotional, demonstration, informative, job interviewing, personal experience, declamation, and speaking in special situations.

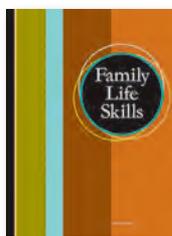
Features

- The text includes grading rubrics for major speeches or projects, worksheets in each chapter, lists of sample topics, and declamation selections.

Grades 11–12

Family Life Skills

2nd Edition



- Christian responsibilities in the family; Christlike personal development; social relationships; child development through preschool; exceptional children; personal finance; jobs and income; aging; families around the world

