



Scope & Sequence

2016 Curriculum Overview by **GRADE**



502989

Contents

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Preschool

Pathways for Preschool



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

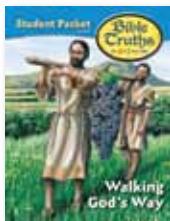
Social: Happy Habits

- Manners, habits, and social training

Cooking: Yummy in My Tummy

- Cooking and following directions
- Sensory and language experiences

Bible Truths Walking God's Way 2nd Edition



Bible Content

- Topical Bible study in thirteen units
- Character traits based on Christ's perfect example
- Bible stories from Old and New Testaments illustrate character traits: obedience (David), courage (Esther), the 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.

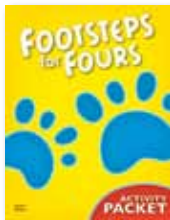
Bible Truths for Christian Growth

- 13 questions and answers correlated with Bible content

Memory Verses

- 13 verses

Footsteps for Fours



Prereading

- Language acquisition and development
- Recognition of alphabet letters
- Phonemic awareness of alphabet sounds /a/-/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; sequencing of story

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 line
- 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

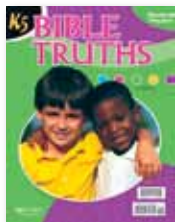
- Songs, rhymes, and musical games
- Additional music strand to complement lessons through movement, rhythm instruments, retelling of stories, games, and songs



K5

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

Beginnings

3rd 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*; compound 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 composed sentences for experience stories; dictating sentence ideas for individual composition; completing sentence starters

Handwriting

- Letter formation; principles of slant; alignment; spacing

RELATED ARTS

Art

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

Heritage Studies

- Geography: U.S. 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, our bodies, weather, rocks, oceans, sun, moon, plants, and animals
- Experiencing hands-on activities

Motor Skills

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

Reading



Word Recognition

- Application of phonics concepts presented in K5 Beginnings
- Readers 1–16—short vowels, single consonants, few consonant blends
- Readers 17–32—short vowels, consonant blends and digraphs, long vowels, *r*-influenced vowels, special vowels
- Word families; service words; compound words; words with suffixes

Comprehension

- Picture reading

- Literal, interpretive, critical, appreciative levels of questioning
- 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

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



Grade 1

Bible Truths A Father's Care 4th Edition



Bible Content

- Chronological and thematic study of the Old and New Testaments
- Bible characters include Noah, Abraham, Moses, Jesus, Peter, and Paul.
- Themes include 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

Science 3rd Edition



GENERAL SCIENCE

- process skills, science tools, scientific method

EARTH SCIENCE

Earth

- **Parts of the earth:** the surface, volcanoes, earthquakes, layers of the earth
- **Seasons:** characteristics of spring, summer, autumn, and winter
- **Weather:** temperature, wind, water cycle, clouds, precipitation, what a weatherman does
- **Soil:** what it is made of

Space

- **Sun, moon, and stars:** the sun as a star, sunrise, sunset, the moon's

size, phases of the moon, stars, the Little Dipper and the Big Dipper

LIFE SCIENCE

Living Things

- **Animals:** tame animals (pets, farm animals), zoo animals, wild animals, meeting needs, animal tracks, animal marks
- **Plants:** roots, stems, leaves, flowers, uses for plants

Human Body

- **Senses:** seeing, hearing, touching, tasting, smelling
- **Health and safety:** forming healthy habits, teeth, keeping safe

PHYSICAL SCIENCE

Motion

- Forces, motion, friction, gravity, weight, magnetism

Energy

- **Sound:** how sounds are made, how sound moves, sound and matter, uses of sounds

Matter

- Characteristics of solids, liquids, and gases; parts to a whole

Heritage Studies 3rd Edition



Focus

- Developing a Christian worldview of the family, community, America, and the world

Geography

- Beginning map skills: cardinal directions, map key, continents and oceans, globe
- Tracing routes
- Simple mapmaking
- Reading map symbols

World History

- Missions
- Explorers

American History

- Native Americans
- Columbus and the New World
- Settlements: Jamestown and Plymouth

Government

- Community, state, and national leaders
- The United States capital
- National symbols and monuments

Economics

- Needs and wants
- Trading with the Indians

- Goods and services

Culture

- Biblical worldview
- Changes in technology and transportation
- Families and family trees
- Diverse Native American cultures

Social Studies Skills

- Primary sources
- Timeline
- Compare and contrast, main idea, classification, sequencing
- Graphic organizers, charts, graphs, diagrams

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; 1 more/1 less, 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
- 2- and 3-digit addends; money
- Rename 10 ones as 1 ten

Subtraction

- 100 basic facts (using fact families and other strategies); 2-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 charts, , bar graph
- Reasoning

Graphs and Data

- Pictures, graph, bar graph, tally charts

Calculators (optional)

- Make numbers; addition; subtraction

Phonics & English 3rd Edition



Prereading Skills

- Interpreting pictures, sequencing, matching sounds with pictures

Listening

- Listening enjoyment: songs, stories, poems, nursery rhymes, folktales
- 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, discussion, sharing of ideas, action rhymes, pantomimes, dialogues, and choral readings; retelling stories

Phonemic Awareness and Phonics

- Using auditory discrimination and letter-sound association for each of the 44 English sounds and their variant spellings
- Identifying: consonant blends and digraphs, vowel digraphs and diphthongs, *r*-influenced vowels

- Recognizing soft and hard *c* and *g*, the silent consonants, open and closed syllables
- Decoding 130 phonograms or word families
- Developing word-recognition skills
- Recognizing rhymes; writing analogies
- Reading phrases and sentences with comprehension

Vocabulary

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

Structural Analysis

- Counting syllables; dividing words: base words, prefixes, suffixes

Study Skills

- Using alphabetical order, following directions, reading a color key, reading for the main idea

Composition

- Oral composition: dictating a word, a phrase, and a sentence; describing an experience; sharing an idea
- Written composition: completing a sentence, a story, and a rhyme; writing complete sentences, stories, letters, poems, a recipe, instructions; journaling; learning the five steps in the writing process

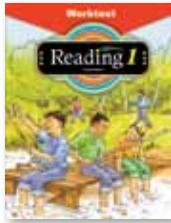
Grammar and Mechanics

- Capitalization; punctuation: periods, question marks, exclamation points, commas, contractions, possessives
- Parts of speech: action words, naming words, describing words
- Position words; comparatives, superlatives

Reading

- Reading for comprehension, drawing conclusions

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

- Interpret pictures; follow directions, sequence; classify; compare and contrast; cause and effect
- Make inferences; draw conclusions; predict outcomes
- True/false statements; size/spatial/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: read for understanding, specific information, biblical truth, author's message
- Oral Reading: communicate message of the author; language-like flow; communicate meaning, mood; portray characters, emotion; respond to punctuation

Composition

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

Spelling 3rd Edition



30 Weekly Word Lists

- 10 words per list (9 pattern words and 1 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 sentence

Writing Application

- Dictation sentences in tests

Handwriting 3rd Edition

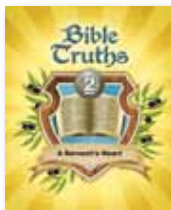


- PreCursive letter formation for A–Z; using correct pencil hold, paper position, posture, and spacing; being consistent in slant and letter alignment; placing words on a line correctly; practicing letter formation with words, sentences, Bible principles, and poems

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
- Bible characters include Noah, Abraham, Gideon, Samson, Nehemiah, Ruth, Esther, Daniel, Dorcas, Paul, and Jesus.
- Themes include God is my 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 are 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

Science 3rd Edition



GENERAL SCIENCE

- Process skills, science tools, scientific method

EARTH SCIENCE Earth

- **Parts of the earth:** the surface, globes, volcanoes, earthquakes, layers
- **Movement of the earth:** sunrise, sunset, rotation, daytime, nighttime, revolution, seasons
- **Natural resources:** conservation, water, soil, erosion, fossil fuels; reduce, reuse, recycle

Space

- **Earth in space:** rotation; revolution, day and night, seasons

LIFE SCIENCE

Living Things

- **Living things:** living contrasted with nonliving things, basic needs (food, water, space, shelter), characteristics of living things, life cycles

- **Fossils and dinosaurs:** Creation, evolution, fossils, ways fossils form, dinosaurs, kinds of dinosaurs

- **Plants:** parts of a plant, what plants need, seeds, seed dispersal, plant life cycle

- **Biomes:** community, population, habitat, environment, desert, rainforest, tundra, forests, ocean, pond

Human Body

- **Systems of the body:** skeletal, muscular, circulatory, respiratory, digestive
- food and exercise

PHYSICAL SCIENCE Motion

- **Motion:** forces, motion, friction, gravity, weight, magnetism

Energy

- **Light and shadows:** sources of light, reflection, colors, transparent, opaque, shadows

Matter

- **Matter and heat:** forms of matter (solid, liquid, gas), changing forms (freezing, melting), temperature, thermometer

Heritage Studies 3rd Edition



Focus

- Developing a Christian perspective on United States history from Native Americans to the founding of the independent nation

Geography

- Map skills: compass rose, keys, landforms, bodies of water, landform map, map grid, globe
- Climate

American History

- Founding of the colonies
- Immigration
- Revolutionary War

Government

- Constitutional Convention
- Laws
- Leaders
- Rights and responsibilities of a citizen

- Constitution
- First President

Economics

- Economics in a community and in the colonies

Culture

- Native American cultures
- Cultures in the colonies

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); 4-digit addends; vertical form addition; rename 10 ones as 1 ten, 10 tens as 1 hundred, 1 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); 3- and 4-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

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

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
- Temperature: Fahrenheit; Celsius
- Measuring tools: ruler, scale, thermometer, cup, liter
- Time: to 5-minute interval; A.M./P.M.; elapsed time
- Calendar: day, week, month, year
- Money: penny, nickel, dime, quarter, half-dollar, 1 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

English

Writing & Grammar
Updated 2nd Edition



Parts of Speech

- Noun: common, proper, singular, plural, abbreviation
- Verb: action, linking, present and past tenses
- Pronoun
- Adjective

Sentence Structure

- Sentence; fragment; subject part and action part; types: telling, question, command, strong feeling

Mechanics

- Capitalization: proper nouns, titles, abbreviations, initials, book titles

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

Usage

- Homophones; pronoun reference; contractions; double negatives

Writing Skills

- Using a thesaurus
- Planning: word web, time-order chart, story map, senses chart, note cards
- Revising; proofreading: proofreading marks; writing conference

Writing Projects

- Personal narrative; instructions; couplet; shape poem; book

- report; friendly letter; make-believe story; description; research report

Study & Reference Skills

- Reference skills: parts of a book: title page, table of contents; phone directory
- Dictionary skills: alphabetical order, guide words, parts of an entry
- Study skills: taking notes

Listening & Speaking Skills

- Listening skills; speaking skills; listening for the main idea; phone messages; oral book report

Grade 2 Reading

3rd Edition



Phonics and Word Recognition

- Reteaching of phonics: a review of the forty-four 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
- Interpret pictures; follow directions; sequence; classify; compare and contrast; cause and effect; problem and solution

- Make inferences; draw conclusions; predict 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

- Reading a variety of 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

Informed 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: read for understanding, specific information, biblical truth, author's message
- Oral Reading: communicate message of the author; language-like flow; communicate meaning, mood; portray characters, emotion; respond to punctuation; convey dialogue

Composition

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

Spelling

2nd Edition



32 Weekly Word Lists

- Words frequently used in writing
- Pattern words and irregular spelling words
- 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 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: contexts, 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

Handwriting

2nd Edition

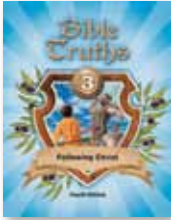


- Maintaining PreCursive alphabet and mastering cursive alphabet
- Maintaining good handwriting skills: good posture, paper positioning, pencil hold, correct-letter formation, slant, alignment, rhythm, spacing, neatness

- Applying use in subject content areas: Bible, math, English skills, science, Heritage Studies
- Copying good cursive models that include Scripture, poetry, hymns, pledges, recipes, thank-you notes, invitations, and friendly letters

Grade 3

Bible Truths Following Christ 4th Edition



Bible Content

- Integrated doctrine through a chronological and thematic study of the Bible emphasizing application
- Bible characters include Cain, Abel, Seth, Job, Lot's wife, Korah, Elijah, Jesus, the apostles, Peter, Philip, and Paul and his coworkers.
- Themes include sin and salvation, purity, life of Christ, willingness, friendships, obeying authorities,

cooperation, dedication, and thankfulness.

- Lessons for Thanksgiving, 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

Science 4th Edition



NEW

GENERAL SCIENCE

- Process skills, science tools, scientific method

EARTH SCIENCE

Earth

- **Rocks:** how they form (igneous, sedimentary, metamorphic), weathering, Genesis Flood
- **Minerals:** uses, characteristics of minerals
- **Soil:** layers of soil, humus
- **Weather:** atmosphere, temperature, precipitation, water cycle, weather instruments (rain gauge, weather vane, anemometer, thermometer), drought, clouds, wind, meteor-ologist, weather forecast, storms (tornado, hurricane, blizzard)

Space

- **Solar system:** the sun, planets, asteroids and dwarf planets; constellations, astronomers, telescopes

LIFE SCIENCE

Living Things

- **Cold-blooded animals:** fish, amphibians, reptiles
- **Warm-blooded animals:** birds, mammals; instincts and learned behaviors
- **Plants:** parts, photosynthesis, chlorophyll, uses
- **Ecosystems:** characteristics of living things, environment, population, community, habitats, producers, consumers, decomposers, herbivores, omnivores, carnivores, food chains, food webs, predator, prey, changes in ecosystems, resources, balancing ecosystems
- **Cells:** microscope, cell sizes and shapes, one-celled living things, parts of cells, tissues, organs, systems

Human Body

- **Ear:** parts of the ear, how sound travels through the ear

- **Skin:** epidermis, dermis, characteristics of skin, melanin, fingerprints, nerves, blood vessels, sweat glands, pores, oil glands, skin care

PHYSICAL SCIENCE

Motion

- **Motion:** forces, friction, gravity, weight, magnetism, motion, work, energy, kinds of energy

Energy

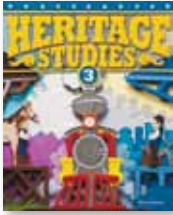
- **Sound:** vibrations, causes, sound waves, speed of sound through matter, reflected sound waves, echoes, absorbing sound waves, characteristics of sound (pitch, volume, quality), using sound

Matter

- **Matter:** properties of matter, mass, volume, using a balance and graduated containers, states of matter (solid, liquid, gas), changing states of matter (evaporation, condensation), properties of water, physical changes, mixtures, chemical changes

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 with Great Britain, and Civil War
- Communication and transportation
- Inventions
- Western Expansion

Government

- Constitutional Convention
- Bill of Rights
- Articles of Confederation

- Preamble
- Political parties, Electoral College

Economics

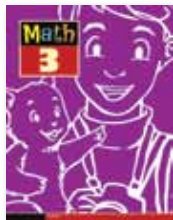
- Cost and benefits
- Imports and exports
- Planning a budget

Culture

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

Math

3rd Edition



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

form; 1 digit factors; 2 to 3 digits by 1 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; 2 and 3 digits by 1 digit; 1-digit remainders

Algebra Readiness

- Equation; missing addend; missing factor; negative numbers (temperature); addition & 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, polygons, 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
- 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 1-minute interval; past and future elapsed time to 5-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; problems with too little information; Problem Solving Plan

Data and Graphs

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

Calculators

- Addition; subtraction

English Writing & Grammar 2nd Edition



Parts of Speech

- Noun: common, proper, singular, plural, possessive; abbreviation
- Verb: action, linking, helping; present, past, and future tenses
- Pronoun: subject, object, possessive
- Adjective; adverb

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
- Compound subjects; compound predicates; diagramming

Mechanics

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

Usage

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

Writing Skills

- Using a thesaurus
- Planning: word web, time-order chart, opinion chart, story map, plot pyramid, Venn diagram
- Revising; proofreading: proofreading marks; writing conferences

Writing Projects

- Game instructions; friendly letter with personal narrative; persuasive essay; realistic fiction story; book report; sound poem; research report; compare-contrast essay

Study & Reference Skills

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

Listening & Speaking Skills

- Listening skills; speaking skills: making an introduction

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
- Sequence; classify; compare and contrast; cause and effect; problem and solution
- Make inferences; draw conclusions; predict outcomes
- Time/place relationships; relevant information; facts/opinions; main idea

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

Literature

- Reading a variety of 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: read for understanding, specific information, biblical truth, author's message
- Oral Reading: communicate message of the author; language-like flow; communicate meaning, mood; portray characters, emotion, motive; respond 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

Spelling

2nd Edition



32 Weekly Word Lists

- Words frequently used in writing
- Pattern words and irregular spelling words
- 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 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: contexts, 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

Handwriting

2nd Edition



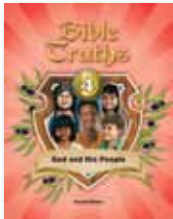
- Maintaining cursive alphabet: uppercase and lowercase
- Maintaining good handwriting skills using 3/8" writing lines
- Applying use in subject content areas: Bible, math, English skills, science, Heritage Studies

- Copying good cursive models that include Scripture, poetry, timelines, tables, diaries, logs, maps, quotations, character traits, and hymns



Grade 4

Bible Truths God and His People 4th Edition



Bible Content

- Bible characters include Moses, Rahab, David, Solomon, Hezekiah, Elisha, Timothy, Stephen, Paul, and Jesus.
- Themes include attributes of God, Bible study and prayer, faithfulness, contentment, and the church.
- Lessons for Thanksgiving, Christmas, and Easter

Bible Study Skills

- Using abbreviations of Bible books
- Using a concordance
- Reinforces using the contents pages of the Bible, interpreting meaning, using cross-references
- Emphasis on character
- 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

- 164 questions correlated with 10 biblical themes

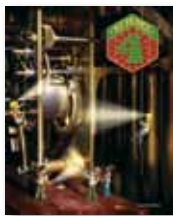
Memory Verses

- 36 verses or passages

Hymns and Songs

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

Science 3rd 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

Heritage Studies 3rd Edition



Focus

- Developing a biblical worldview through the study of American history

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
- Civil War
- Revolutionary War
- War of 1812
- Territories

Government

- Branches of American government
- Voting
- Citizenship

Economics

- Stock market
- Supply and demand

Culture

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

Social Studies

- Cause and effect
- Timeline
- Primary sources

Math 3rd Edition



Number Sense

- Recognize and write 0–100,000,000 with numerals and words; Roman numerals I–XXXIX
- Ordinals; first through ninety-ninth; order; number line; 10 more/10 less
- Place value: ones to hundred thousands; 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; 1-digit factors; 1 digit times 2–4 digits; 2 digits times 2–3 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; division frame; word problems; computation: 2–4 digits by 1 digit; 2–3 digits by 2 digits; 1–2 digit remainders

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, polygons, square, triangle, rectangle, pentagon, hexagon, octagon; edge, vertex; slides, flips, turns
- Solid figures: sphere, cube, cylinder, cone, rectangular prism, rectangular 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; patterns

Estimation

- Round to nearest ten, hundred, and one thousand
- 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 1-minute interval; past and future elapsed time to 5-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; schedule; map skills; logic; probability; money; multistep problems; problems with too little information

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

English Writing & Grammar 2nd Edition



Parts of Speech

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

Mechanics

- 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

Writing Skills

- Using a thesaurus
- Planning: word web, time-order chart, opinion chart, character web, plot pyramid, events/details chart, T-chart, Venn diagram, outline

- Revising; proofreading: proofreading marks; writing conferences; writing a bibliography

Writing Projects

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

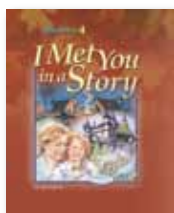
Study & Reference Skills

- 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 skill: read a narrative aloud

Reading 2nd Edition



Word Recognition

- Syllable division; accented syllables; primary/secondary accents; shift in accent; base words/prefixes/suffixes; schwa syllables
- Optional remedial phonics

Vocabulary

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

Comprehension

- Literal and higher-order levels; biblical truth
- Sequence; classify; compare and contrast; cause and effect; problem and solution
- Make inferences; draw conclusions; predict outcomes
- Place/size/time relationships; relevant/irrelevant information; facts/opinions; main idea; dialect; discernment; sense of history

Literature

- Reading a variety of genres: fiction, realistic fiction, historical

fiction, fantasy, folktale, tall tale, article, Bible account, biography, poetry, play, legend, regional realism

- Main character; character motives, traits, growth, and change
- Setting; plot; conflict; crisis; point of view; foreshadowing; flashback; good/evil elements ; moral; mood; suspense
- Idioms; imagery; personification; metaphor; simile; hyperbole; exaggeration
- Poetry: rhyme; onomatopoeia; haiku

Study Skills

- Glossary; encyclopedia; types of dictionaries; Bible study; cross-references; card catalog; Dewey decimal system; captions; headlines; subtitles
- Skimming; scanning; PQ3R study method; outlining; paraphrasing
- Maps; diagrams; graphs; charts; timeline; schedules

Fluency

- Silent Reading: for information, entertainment, understanding, spiritual growth, author's message, 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; limerick; song; character sketch; fable; short story; tall tale; folktale; animal tales
- Caption; dialogue; reading response; compare/contrast; problem/solution
- Descriptive paragraph; personal experience; journal entry; friendly letter; writing directions; map drawing; diagram description; research writing; interview

Spelling

2nd Edition



32 Weekly Word Lists

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

Generalizations

- Phonics generalizations: long, short, and *r*-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

Handwriting

2nd Edition



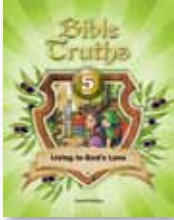
- Maintaining cursive alphabet: uppercase and lowercase
- Maintaining good handwriting skills using 3/8" writing lines
- Applying use in subject content areas: Bible, math, English skills, science, Heritage Studies
- Copying good cursive models that include Scripture, poetry,

timelines, tables, diaries, logs, maps, quotations, character traits, and hymns

Grade 5

Bible Truths

Living in God's Love
4th Edition



Bible Content

- Integrates doctrine into a chronological and thematic study of the Old and New Testaments
- Bible characters include Levites, Samson, Deborah, Jonah, Rehoboam, King Asa, and Philip and the Ethiopian.
- Themes include sin and grace, obedience, holiness, my body as God's temple, evangelism and missions, and false teachers.

- Lessons for Thanksgiving, Christmas, and Easter

Bible Study Skills

- Using a Bible dictionary, learning to outline Scripture
- Reinforces interpreting meaning, using cross-references, abbreviations, and a concordance

Character Emphasis

- Character traits used in application stories show students their need of Christ as Savior and

biblical principles to apply to personal-life situations.

Bible Truths for Christian Growth

- 164 questions correlated with 10 biblical themes

Memory Verses

- Verses or passages correlate with unit themes

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, man-made), succession, native and invasive species, extinction, endangered species

Human Body

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

Heritage Studies

4th Edition



Time Period

- (ca. 1400) to the present

Map Skills

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

Kinds of Map

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

American History

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

Government

- Biblical philosophy
- Roles of the three branches of government

Economics

- Inventions
- Stock market

- Supply and demand

Culture

- Languages
- Religions
- Customs

Math

3rd Edition



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; 1–3 digits times 2–4 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; 2–4 digits by 1–2 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, one 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 1-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; multi-step 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

English Writing & Grammar 2nd Edition



Parts of Speech

- Noun: common, proper, singular, plural, possessive; abbreviation; as a subject, object, and predicate noun
- Verb: action, linking, helping; present, past, future, 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; subject part, simple subject, predicate, simple predicate
- Sentence types: declarative, interrogative, imperative, exclamatory
- Compound subjects; compound predicates; clauses: independent, dependent; phrases:

introductory, prepositional; diagramming; basic sentence patterns

Mechanics

- 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

- Using a thesaurus; avoiding dishonest tactics in persuasion
- Planning: word web, time-order chart, opinion chart, scene map, events/details chart, T-chart, Venn diagram, outline
- Revising; proofreading: proofreading marks; writing conferences; writing a bibliography

Writing Projects

- Compare-contrast essay; persuasive business letter; diamante; sense poem; 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, outline

Listening & Speaking Skills

- Speaking skills: oral-book review, presenting a play

Reading 2nd Edition



Word Recognition

- Syllable division; accented syllables; primary/secondary accents; shift in accent; base words/prefixes/suffixes; schwa syllables
- Optional remedial phonics

Vocabulary

- Meaning from context; synonyms; antonyms; analogies; Greek and Latin roots; adverbs; adjectives; acronyms; contractions

Comprehension

- Literal and higher-order levels; biblical truth
- Sequence; classify; compare and contrast; cause and effect; problem and solution
- Draw conclusions; predict/evaluate outcomes; make judgments; allegorical comparisons
- Relevant/irrelevant information; facts/opinions; main idea; dialect; discernment; sense of history

Literature

- Reading a variety of genres: fiction, realistic fiction, historical fiction, science fiction, fantasy, folktale, fables, article, Bible

account, biography, poetry, legend, narrative, parable

- Main and lesser characters; character motives, traits, growth and change
- Setting; plot; conflict; crisis; point of view; moral; mood; suspense; resolution; theme; symbols
- Author biographies; allegorical setting; propaganda
- Idiom; imagery; figurative language; metaphor; simile; hyperbole; allusion; understatement; humor
- Poetry: rhyme patterns; onomatopoeia; alliteration; assonance; enjambment

Study Skills

- Glossary; index; encyclopedia; dictionary; Bible study; cross-references; card catalog; Dewey decimal system; atlas; captions; headlines; subheadings
- Skimming; scanning; PQ3R study method; outlining; paraphrasing; note taking; summarizing; topic sentence; listening strategy
- Maps; diagrams; graphs; charts; timeline, tables

Fluency

- Silent Reading: for information, entertainment, understanding, spiritual growth, author's message, biblical truth
- Oral Reading: communicate author's message; communicate mood, motive, meaning; convey emotion; portray character, voice expression; volume and rate

Composition

- Book review; character sketch; writing in response to reading; brainstorming ideas
- Plot; caption; dialogue; alliteration; assonance; simile; dialect
- Short story; fable; parable; play; folktale; legend; modern realistic fiction
- Biography; descriptive paragraph; note of apology; fact/opinion; journal entry; speech writing; a personal experience; friendly letter
- Summary; writing directions/process; advertisement; news article; tables/charts; research writing

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*

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

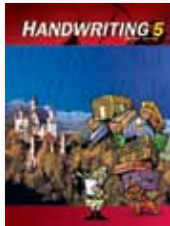
- Location skills

- 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

Handwriting 2nd Edition



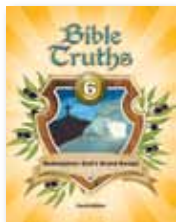
- Maintaining cursive alphabet: uppercase and lowercase
- Maintaining good handwriting skills using 3/8" writing lines
- Applying use in subject content areas: Bible, math, English skills, science, Heritage Studies
- Copying good cursive models that include Scripture, poetry, timelines, tables, diaries, logs, maps, quotations, character traits, and hymns



Grade 6

Bible Truths

Redemption:
God's Grand Design
4th Edition



Bible Content

- Integrates doctrine into a chronological and thematic study of the Old and New Testaments
- Bible characters include Adam and Eve, Noah, Abraham, Joseph, Ruth, David, Hezekiah, Jesus, Peter, and Paul.
- Themes include God's covenant, under the blood, God's providence, the Incarnate Word, the book of Revelation, and the history of the Bible.
- Lessons for Thanksgiving, Christmas, and Easter

Bible Study Skills

- Using a Bible commentary
- Reinforces interpreting meaning, using cross-references, abbreviations, a concordance, and a Bible dictionary

Character Emphasis

- Walking with God segments cover 38 application topics for students to study what God says and then evaluate their attitudes and actions
- Character traits used in application stories and a novel show

students their need of Christ as Savior and application of biblical principles to personal life situations.

Bible Truths for Christian Growth

- 164 questions correlated with 10 biblical themes

Memory Verses

- 36 verses or passages

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, autoimmune 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

3rd 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

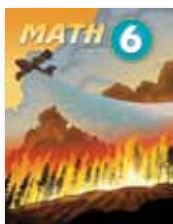
- Ancient influences on American government and economy
- World War II

Social Studies Skills

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

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; 1–3 digits times 2–4 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; 2–4 digits by 1–2 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 1-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, polyhedrons, cube, prisms, pyramids; 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 $\frac{1}{2}$ 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
- Use 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; work backwards; write 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; write fractions and decimals as percents; compare percents to decimals and fractions; find the percent of a number; determine the sales price given a discount as a percent
- Proportionate geometric figures

English Writing & Grammar 2nd Edition



Parts of Speech

- Noun: common, proper, singular, plural; abbreviation; appositive; singular and plural possessive; English words from Greek root words; as subjects, objects
- Verb: principal parts; past, present, and future tenses; perfect tenses
- Pronoun: subject, object, possessive, reflexive, intensive, interrogative, demonstrative, indefinite; with antecedent
- Adjective: article, proper, demonstrative, as in the predicate
- 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

Mechanics

- 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

- Using a thesaurus; avoiding propaganda tactics; bibliography; outline
- Planning: word web, plot diagram, Venn diagram, persuasion

chart, time-order chart, events/details chart

- Revising; proofreading: proofreading marks; writing conferences

Writing Projects

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

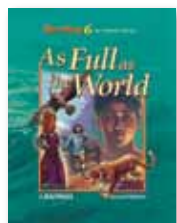
Study & Reference Skills

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

Listening & Speaking Skills

- Speaking skills: oral publishing for written instructions

Reading 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
- Sequence; classify; compare and contrast; cause and effect; problem and solution
- Draw conclusions; predict/evaluate outcomes; making judgments; interpret 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; non-print 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; timeline; tables

Fluency

- Silent Reading: for information, entertainment, understanding, spiritual growth, author's message, biblical truth
- Oral Reading: communicate author's message; communicate mood, motive, meaning, emotion; persuasive manner; interpret dialect; choral reading; voice expression; reading rate

Composition

- Setting; plot; character sketch
- Advertisement; article; predictions; summary; compare and contrast; charting; report; time line; 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

Spelling 2nd Edition



32 Weekly Word Lists

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

Generalizations

- Phonics generalizations: reliable patterns in multisyllable words, including review of previously learned vowel and consonant patterns; unstressed syllable vowel patterns
- Structural generalizations: compound words, inflectional suffixes, prefixes, derivational suffixes
- Suffix rules: no change to the base word, doubling the final consonant, dropping the final *e*, changing *y* to *i*
- Etymology: Greek word parts; Latin prefixes, roots, and suffixes

Word Study

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

Proofreading

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

Dictionary Skills

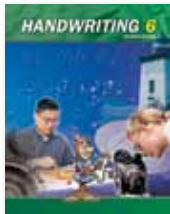
- Alphabetical order: alphabetizing words between guide words
- Use of the pronunciation key

- Use of a dictionary entry: entry word, pronunciation, parts of speech, word forms, definitions, sample phrases or sentences, etymology
- Syllable division: base words and affixes, two-syllable vowel-consonant patterns, unstressed syllables
- Accenting syllables: compound words, words with affixes, syllable patterns, accent shifts in homographs and derivations

Writing Activities

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

Handwriting 2nd Edition



- Maintaining cursive alphabet: uppercase and lowercase
- Maintaining good handwriting skills using 3/8" writing lines
- Applying use in subject content areas: Bible, math, English skills, science, Heritage Studies
- Copying good cursive models that include Scripture, poetry, timelines, tables, diaries, logs, maps, quotations, character traits, and hymns



Elementary Spanish

Pasaporte al español Kit A



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

Pasaporte al español Kit B



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

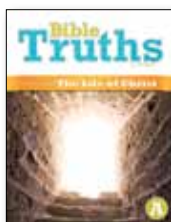
- Arouses interest in missionary work; encourages parent participation with vocabulary clip-and-learn flashcards

Grade 7



Bible Truths

4th Edition



Bible Content

- A complete study of Christ's life, including events and topical studies of the Lord's teaching
- Includes brand new unit on the Sermon on the Mount

Applying the Bible to Life

- Focuses on the character traits Christ taught and embodied

Special Studies

- The Romans, Herod, Jewish leaders, Jewish holidays, the Crucifixion, Israel, Sea of Galilee

Memory Verses

- 84 verses

Number of Lessons

- Single-column; 7 units divided into continuous sections

Life Science

4th Edition



- **Foundations of life science:** definition of science, modeling, thinking scientifically, limitations of science, biblical vs. naturalistic worldview; scientific method; characteristics of life, cell theory, molecules and life; classification of life; cell structure and function, cellular respiration, photosynthesis

- **Heredity and the origin of life:** genes and cell division, mitosis and meiosis, asexual and sexual reproduction; DNA replication, RNA transcription, protein synthesis; Mendelian genetics, genetic crosses, variations on simple genetics; genetic disorders; gene mutations, chromosomal changes, genetic engineering, cloning, stem cell technology; biblical Creationism, nonliteral views of Creation, age of the earth, the Flood, fossils; history of evolutionary theory, mutations and evolution, evolutionary family trees, speciation

- **Microbiology and plant biology:** archaeobacteria vs. eubacteria; bacterial structure, reproduction and importance; antibiotic resistance in bacteria; viruses; protozoan movement, nutrition, and reproduction; algal structure,

nutrition, and reproduction; importance of protists; structure, nutrition, and importance of fungi; plant structure; water movement, gas exchange, and photosynthesis in plants; plant growth and hormones; plant tropisms, nastic movements, and photoperiodism; plant classification and life cycles; sexual and asexual reproduction in plants; flower structure, seeds, and pollination

- **The animal kingdom:** sponges, cnidarians, flatworms, roundworms, earthworms, mollusks, echinoderms, arthropods; endotherms and ectotherms, body systems in vertebrates; fish, amphibians, metamorphosis, reptiles; birds, mammals, classification of mammals; animal behavior, external and internal fertilization, egg structure and development, placental reproduction
- **Interactions in the environment:** ecosystems, biomes, abiotic environment, water cycle, succession; biotic community, populations, carbon and oxygen cycles, nitrogen cycle, limiting factors; circadian rhythms, seasonal rhythms; food chains, food webs,

ecological pyramids; organism relationships, competition, camouflage, warning coloration, mimicry, predation, symbiosis, parasitism; natural resources, agriculture, endangered species, extinction, human population changes, conservation, pollution

- **The complex design of the human body:** structure and function of skin, burns; structure and function of skeletal system, fractures, joints; types of muscles, muscle physiology; homeostasis, types of blood cells, blood clotting, blood types, blood plasma; blood vessels, heart structure, flow of blood through heart, blood pressure; immune system, organ transplants; allergies, autoimmune diseases, and AIDS; excretory system; anatomy, physiology, and disorders of the respiratory system; anatomy and physiology of the digestive system, chemical digestion; nervous system, reflexes, brain anatomy, sense organs; hormones and endocrine glands, puberty; metabolism, nutrition; psychoactive drugs, smoking, addiction; spread of disease, protection against disease

World Studies

3rd Edition



Topic

- World cultures (Creation 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

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; circle; 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

Pre-Algebra

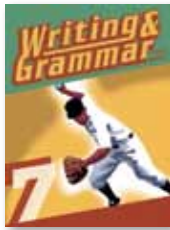
2nd Edition



- **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

Writing & Grammar

3rd Edition



Parts of Speech (and Verbals)

- Noun; pronoun; verb; simple and perfect tenses; adjective; adverb; preposition; conjunction; interjection

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; sentence errors: fragments, comma splices, fused sentences

Mechanics

- Capitalization; punctuation; spelling

Usage

- Subject/verb agreement; pronoun/antecedent agreement; pronoun reference; troublesome words (homophones, homonyms, etc.)

Writing Skills

- Writing process: planning, drafting, revising and proofreading, publishing; paragraph development: fact, example, statistic, incident/anecdote, sensory detail, reason; paragraph organization: chronological, spatial, order of importance; style: precise words, showing; not telling

Examples of Writing Projects

- Description: biographical sketch
- Exposition: in-class essay, science report evaluation

- Narration: family tradition report, drama scene
- Persuasion: letter to editor
- Poetry: sound poem

Study & Reference Skills

- Dictionary: guide words, entry word, syllabification, pronunciation, definition, function label, etymology; library: types of materials, call number, alphabetizing, Dewey decimal system, Library of Congress system, card catalog, computer catalog; reference tools; parts of a book; scheduling study time; memory techniques; reading comprehension: definitions, restatements, examples, word parts; test-taking strategies: classroom tests, standardized tests

Explorations in Literature

4th Edition



Approach

- Thematic

Organization

- Six themes: courage, nature and man, generosity, our land, humility, family

Content

- Genres represented: fables, drama, poetry, hymns, Scripture, short story, biography, autobiographical accounts, historical essays, essays

- Cultures represented: American, English, Russian, New Zealand

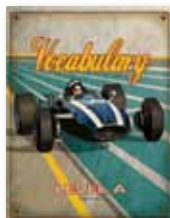
Features

- 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.

Vocabulary: Level A

3rd Edition



Approach

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

Plan

- Each text includes fifteen two-part lessons, fifteen cumulative reviews, and a supplement containing various means of reinforcement and

vocabulary-building exercises (games, puzzles, contests, etc.).

Content

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

Features

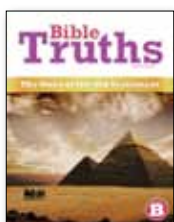
- The texts use a variety of learning methods, including word stories and spelling helps. Lessons incorporate biblical stories with a focus on character building and are often related to other subjects students may be learning.



Grade 8

Bible Truths

4th Edition



Bible Content

- Takes students on a journey through the story of the Old Testament
- Points students to Jesus Christ, the name whispered throughout the OT
- Asks critical-thinking questions about Bible and textbook readings

- Supports biblical-worldview thinking by explaining how Creation-Fall-Redemption constitutes the narrative of the Bible

Special Studies

- Special “Ketuvim” sections cover Job, Psalms, Proverbs, Ecclesiastes, and Song of Solomon

Memory Verses

- Every section requires a Scripture reading and at least one memory verse

Number of Lessons

- 44 sections in 7 units

Earth Science

4th Edition



- **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:** Earth as a special place designed for life, a brief history of geology, operational and historical geology, the earth’s interior structure, natural resources; old- and young-earth origin theories of the earth, evidences for catastrophic changes in 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, non-tectonic 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,

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, waves; history of oceanography, methods and instruments, deep sea exploration, underwater habitats, research vehicles; stream characteristics, lakes and ponds, limnology; groundwater reservoirs, 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, hurricanes, weather forecasting, weather maps,

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, origin theories; Earth’s orbit, seasons, timekeeping, lunar phases, eclipses, tidal effects; models of the solar system, Kepler’s laws, classification and brief description of the planets, dwarf planets, 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, non-stellar objects, cosmology and worldviews; challenges of space exploration, rocketry, principles of satellite and space probes, challenges and need for manned space exploration

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

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

Algebra 1

3rd Edition



- **Operations:** review of the real number system, 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, disjunctions; absolute-value equations and inequalities
- **Relations and functions:** representing relationships between

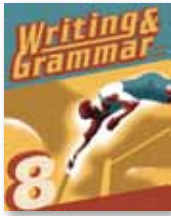
data, using graphs, equations, and tables; direct and inverse variations; graphing absolute-value functions

- **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.)

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

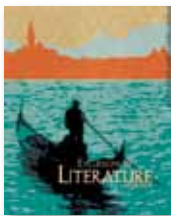
- Description: travel brochure, character profile
- Exposition: news story, business letter
- Narration: autobiography, fable
- Persuasion: debate script, print advertisement

Study & Reference Skills

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

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.

Vocabulary: Level B

3rd Edition



Approach

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

Plan

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

Content

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

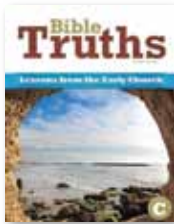
Features

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

Grade 9



Bible Truths 4th Edition



Bible Content

- In-depth studies of the books of Acts, 1 and 2 Thessalonians, 1 and 2 Corinthians, Galatians, and Romans

Applying the Bible to Life

- Focuses on practical principles derived from Paul's life and epistles

Special Studies

- Gamaliel, Herod's Temple, Roman gods, New Testament sports, the Jewish War

Additional Resources

- Detailed map of Paul's missionary journeys
- A program for Bible reading that teaches students to recognize major biblical themes

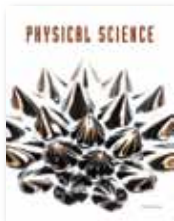
Memory Verses

- 78 verses

Number of Lessons

- 56 lessons in 9 units

Physical Science 5th Edition



- **Foundations:** presents science as the primary means of creating models to explain and describe phenomena in a fallen and broken world, framed as an engaging forensics investigation into a recent passenger air crash; Christian versus secular world-view aspects of science; definition of key elements of scientific knowledge—laws, theories, and hypotheses; “dominion science” as a key aspect of obedience to the Creation Mandate; methodologies of science; introduction to the nature and classification of matter and energy; changes matter undergoes; scientific measurement; the metric system; accuracy, precision, and repeatability in measurements; introduction to significant digits and scientific notation
- **Mechanics:** describing motion; frames of reference; Newton's laws of motion; gravity; free-fall;

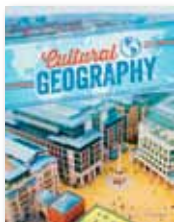
momentum; kinetic and potential energy; energy transformations and conservation; mechanical work; levers and other simple machines; law of moments and efficiency; fluid mechanics, including basic hydraulic theory; Charles's and Boyle's gas laws; thermodynamics—thermal energy, temperature, and heat

- **Electromagnetism:** static electricity; electric fields; measuring and storing charges; electric current and Ohm's law; batteries; electrical safety; magnets and magnetism; geomagnetism; AC and DC generators and motors; transformers; electromagnets and their uses
- **Periodic phenomena:** description of periodic motion; pendulums; waves and wave phenomena; sound and its properties; infrasound and ultrasound; the human voice and hearing; applications of sound; bands of

the electromagnetic spectrum; radio-frequency technology; the properties of visible light; the nature of color; reflection and mirrors; refraction and lenses.

- **The structure of matter:** historical development of the atomic model, structure of the atom; radiation and nuclear changes; origin of the periodic table; elements and their symbols; classification of the elements; periodic trends
- **Introduction to chemistry:** electronegativity and valence electron structure; covalent, ionic, and metallic bonds; compounds classified according to bond-type; chemical formulas and equations; oxidation numbers; types of chemical reactions; classifying mixtures; solutions and the solution process; measuring concentration; acids, bases; salts from acid-base reactions; pH system and measurement

Cultural Geography 4th Edition



Topic

- Physical, political, and cultural geography

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 culture regions and their influence on lifestyles, language, arts, and culture

Algebra 1

3rd Edition



- **Operations:** review of the real number system, 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, 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.)

Geometry

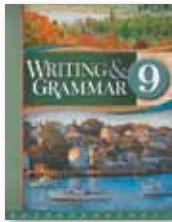
4th Edition



- **Foundations of Geometry:** sets; definitions; incidence postulates and theorems; segment and angle measure; circles; polygons; polyhedra
- **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

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

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)

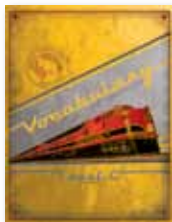
Features

- 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.

Vocabulary: Level C

3rd Edition



Approach

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

Plan

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

Content

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

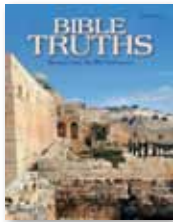
Features

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

Grade 10

Bible Truths

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

Special Studies

- Mummies, geography of Palestine, archaeology, music and warfare in the Old Testament, priests

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

Memory Verses

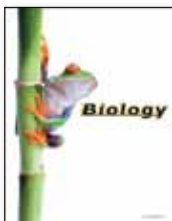
- 72 verses

Number of Lessons

- 51 lessons in 3 units

Biology

4th Edition



- **Science of life:** God and science, truth, types of reasoning, faith, modeling, scientific method, limits of science, controlled experiments, attributes of life, study of life, measurement, microscopes, elements, thermodynamics, solutions, basic chemistry, organic chemistry, cell structure, organelles, levels of cellular organization, living state of cells, homeostasis, membrane transport, photosynthesis, aerobic and anaerobic cellular respiration, metabolism and protein synthesis, mitosis, meiosis, sexual reproduction, Mendelian genetics, genetic crosses, sex-linked traits, chromosome and gene changes, gene expression, gene mutations, cancer, population genetics, eugenics, Christian approach to biotechnology, cloning, genetic engineering, stem-cell technology, gene therapy, genetically modified crops, worldviews, philosophy of evolution, biological

evolution, biblical Creationism, intelligent design, Noah's Flood, fossils, dating methods, age of the earth

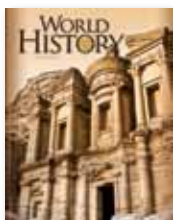
- **Science of organisms:** classification, binomial nomenclature, use of dichotomous keys, comparison of species and kind, speciation, phylogenetic trees, bacterial structure, bacterial reproduction, control of bacteria, viruses and related organisms, human diseases and disorders, disease detection and control, aging and death, protozoan classification and structure, algal structure and reproduction, algal classification, fungus-like protists, fungi classification and structure, plant classification, plant tissues and anatomy, plant physiology, conduction in plants, plant hormones, tropisms, plant reproduction, flower structure, animal characteristics and anatomy, sponges, cnidarians, flatworms, roundworms, segmented worms,

mollusks, echinoderms, arthropod characteristics, crustaceans, arachnids, insects, chordate characteristics, vertebrate life processes, vertebrate behavior, fish, amphibians, reptiles, birds, mammals, ecology, ecosystems, animal rights, pollution, Creation Mandate

- **Study of human life:** human distinctions; tissues, organs, and systems; diseases and disorders; integumentary, skeletal, muscular, respiratory, digestive, circulatory, lymphatic, excretory, nervous, endocrine, and reproductive systems; bone structure and growth; muscle structure and contraction; breathing; nutrition and digestion; blood; immunity; neurons and nerve function; brain; senses; hormones; smoking, alcohol, and other drugs; addiction; female cycles; human embryology and birth; human relationships; abortion and euthanasia; sexual purity

World History

4th Edition



Topic

- World history

Geography

- Chronological survey of physical and political geography

History

- Chronological survey of world history from Creation to the present

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

Geometry 4th Edition



- **Foundations of Geometry:** sets; definitions; incidence postulates and theorems; segment and angle measure; circles; polygons; polyhedra
- **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

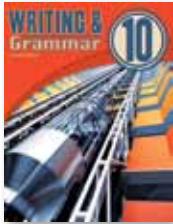
Algebra 2 3rd Edition



- 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, 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

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

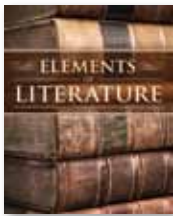
- Persuasion: persuasive speech, editorial
- Poetry: poetry and metaphor
- Multimedia: webpage design

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

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

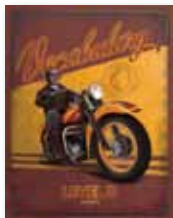
Features

- 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.

Vocabulary: Level D

3rd Edition



Approach

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

Plan

- Each text includes fifteen two-part lessons, fifteen 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 onomatopoeia words.

Grade 11



Bible Truths

3rd Edition



Bible Content

- Studies of the prison and pastoral epistles, general epistles, and prophecy from Revelation

Applying the Bible to Life

- Focuses on practical principles derived from epistles and prophecies

Special Studies

- Character studies on Cerinthus, Mark, Peter, and John; study of each New Testament city

Additional Resources

- A chart listing author, date, origin, recipients, and themes of each book

Memory Verses

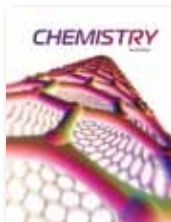
- 94 verses

Number of Lessons

- 57 lessons in 4 units

Chemistry

4th Edition



- **Chemistry for Life:** history, role, and potential of chemistry; a biblical perspective on studying science
- **Matter:** states of matter, interactions with energy, phase changes
- **Measuring and calculating:** measurement systems, SI units, significant digits in measurement and calculation, organized problem solving
- **Atomic structure:** historical development of atomic models; subatomic particles, orbitals, quantum numbers, orbital notation, electron configuration, isotopic notation
- **Elements:** development of the modern periodic table, descriptive chemistry; periodic trends of atomic and ionic radius, electronegativity, electron affinity, ionization energy
- **Chemical bonds:** causes and types of bonding; Lewis structures, formula units, properties of different kinds of compounds
- **Bond theories and molecular geometry:** valence bond theory, molecular resonance, molecular orbital theory, valence shell electron pair repulsion theory,

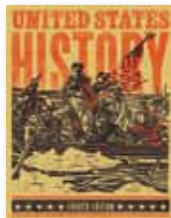
molecular shapes, polar covalent bonds

- **Chemical composition and reactions:** oxidation numbers, writing formulas, chemical nomenclature, polyatomic ions, balancing chemical equations, types of reactions
- **Chemical calculations:** the mole; structural, molecular, and empirical formulas; percent composition; stoichiometric conversions; limiting reactants; percent yield
- **Gases:** properties of gases, measuring pressure, gas laws, partial pressures, stoichiometric conversions with gases
- **Solids and liquids:** intermolecular forces, properties of solids and liquids, phase changes, crystalline solids, phase diagrams
- **Solutions:** solution types, solvation, solubility, rate of solution, measuring concentration, colligative properties, colloids
- **Chemical thermodynamics:** thermochemistry, enthalpy, specific heat, reaction tendency, entropy, free-energy change
- **Chemical kinetics:** energy diagrams, rates of reactions, reaction mechanisms, rate laws

- **Chemical equilibrium:** reversible and irreversible reactions, equilibrium concentrations, equilibrium constants, Le Châtelier's principle, applications of equilibrium chemistry
- **Acids, bases, and salts:** properties of acids and bases, acid and base definitions, pH and pOH scales, neutralization, titrations, buffers
- **Oxidation and reduction:** redox reactions, electrochemistry, electrolytic cells, electrolysis, voltaic cells
- **Organic chemistry and biochemistry:** organic compounds, hydrocarbons, functional groups, organic reactions, carbohydrates, proteins, lipids
- **Materials chemistry:** ceramics, semiconductors, polymers, plastic recycling, nanotechnology
- **Nuclear chemistry:** nuclear stability; measuring radiation; alpha, beta, and gamma decay; nuclear reactions

United States History

4th 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 interference

Religion

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

Culture

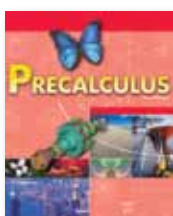
- Integration of various facets of American culture; cultural change

Algebra 2 3rd Edition



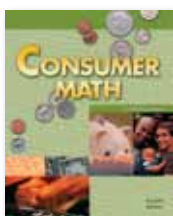
- **Operations:** real and complex numbers; polynomial; matrix; function
- **Linear equations:** solving equations and inequalities; absolute value equations and inequalities; distance on number lines; word problems; compound inequalities
- **Linear relations:** graphs of linear functions; slopes; special 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, 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

Precalculus 1st Edition



- **Trigonometry:** reference angles; Law of Sines; Law of Cosines
- **Polynomials:** linear, quadratic, and polynomial functions; factoring higher-degree polynomials; zeros; graphing
- **Functions:** power; exponential; piece; periodic; trigonometric; reciprocal; rational
- **Inverse functions:** increasing and decreasing functions; checking and finding inverses; radical functions; inverse trigonometric functions; logarithms
- **Equations:** polynomial; rational; radical; logarithmic; exponential functions; identities; trigonometric equations
- **Conic sections and polar graphs:** circles; ellipses; parabolas; hyperbolas; variation; polar coordinates; polar equations
- **Complex numbers:** graphs; polar form; powers and roots; vectors; dot products; applications
- **Matrix algebra:** Gaussian elimination; determinants; Cramer's rule; inverses
- **Statistics:** central tendency; variability; bell curve; linear correlation; hypothesis testing
- **Sequences:** recursive and explicit formulas; arithmetic and geometric sequences; mathematical induction; summation
- **Limits and calculus:** limits of sequences; series; limits of functions; continuous functions; asymptotes; limit theorems
- **Differential calculus:** definition; graphs, properties; chain rule; quotient rule; motion applications

Consumer Math 2nd Edition



- See page 45 for the description.

Vocabulary: Level E 3rd Edition



Approach

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

Plan

- Each text includes fifteen two-part lessons, fifteen 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 sources of English words, coined words, French words, Greek and Latin loan words, allusions, back-formation, and folk etymology.

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

American Literature 3rd Edition



Approach

- Historical

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,

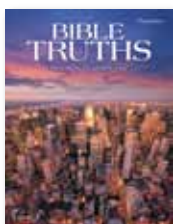
and evaluating a work's ideas from a biblical worldview. These three tasks help students develop critical-thinking skills and a deep understanding of the ideas and writings of literary and historical figures.

- During-reading questions, which appear throughout each selection in the margin, guide students through the three reading tasks.
- After reading, students answer Think and Discuss questions, many of which require them to demonstrate a high level of understanding of the concepts traced throughout their reading and lesson.

Grade 12

Bible Truths

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

Special Studies

- Teacher's Edition includes many suggested special studies and discussion topics.

Memory Verses

- 53 verses

Number of Lessons

- 53 lessons in 6 units

Biblical Worldview

Creation, Fall, Redemption



Scope

- Explains what a worldview is
- Explores the role of presuppositions
- Presents a positive case for a biblical worldview
- Defends the Christian faith against major opponents, especially postmodernism and scientism
- Relates the story of Scripture—Creation, Fall, Redemption—to major academic disciplines and cultural domains

Sequence

- Tells the story of Scripture in detail, applying it to worldview issues
- Examines gender, marriage, and family from the perspective of a biblical worldview
- Examines the creational structures of government, science, and history, then explores the ways in which the fall has affected these fields and the ways in which they can be pushed back in redemptive directions

- Analyzes the truth, goodness, and beauty triad in culture and the arts, providing examples of fallen culture and art and culminating in a call for students to become sub-creators imaging the ultimate Creator

Memory Verses

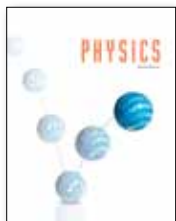
- One memory passage for each of the 27 chapters

Number of Lessons

- 80 sections in 9 units

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 multi-body

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

American Government

3rd 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, bureaucratic funding, and foreign policy impact on U.S. economy

Religion

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

Culture

- Interest groups; mass media; American political behavior

Economics

2nd Edition



Topic

- Economics

Geography

- Case studies of economic issues in eighteen nations

History

- Biographies of eighteen 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

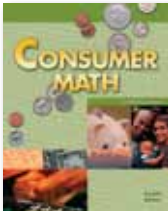
- Scriptural principles applied to all areas of economics

Culture

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

Consumer Math

2nd 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, 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; filling out catalog orders; internet buying tips; savings from making clothing; retail marketing of clothing, returns, net-profit and gross-profit margin; markup rate and breakeven 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; residential and cell-phone usage; calculating house repairs, maintenance, and home improvements

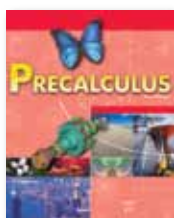
- **Life and health insurance:** mortality tables; term, whole-life, and universal-life insurance; health insurance, including payout of benefits; social-security retirement benefits

- **Income taxes:** general principles of calculating federal-income taxes; 1040EZ, 1040A, and 1040, including extra schedules A and B and Form 2441 for child care benefits

- **Vacations:** costs of food and lodging; cost of transportation; getting around at the site; travel times across time zones; economizing admissions

Precalculus

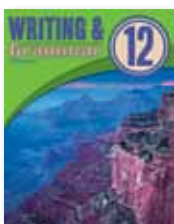
1st Edition



- **Trigonometry:** reference angles; Law of Sines; Law of Cosines
- **Polynomials:** linear, quadratic, and polynomial functions; factoring higher-degree polynomials; zeros; graphing
- **Functions:** power; exponential; piece; periodic; trigonometric; reciprocal; rational
- **Inverse functions:** increasing and decreasing functions; checking and finding inverses; radical functions; inverse trigonometric functions; logarithms
- **Equations:** polynomial; rational; radical; logarithmic; exponential functions; identities; trigonometric equations
- **Conic sections and polar graphs:** circles; ellipses; parabolas; hyperbolas; variation; polar coordinates; polar equations
- **Complex numbers:** graphs; polar form; powers and roots; vectors; dot products; applications
- **Matrix algebra:** Gaussian elimination; determinants; Cramer's rule; inverses
- **Statistics:** central tendency; variability; bell curve; linear correlation; hypothesis testing
- **Sequences:** recursive and explicit formulas; arithmetic and geometric sequences; mathematical induction; summation
- **Limits and calculus:** limits of sequences; series; limits of functions; continuous functions; asymptotes; limit theorems
- **Differential calculus:** definition; graphs, properties; chain rule; quotient rule; motion applications

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

British Literature

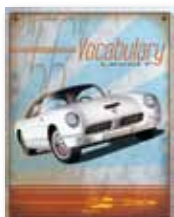
Updated 2nd Edition



- **Approach**
 - Historical
- **Organization**
 - Four major literary divisions: the Middle Ages, the Renaissance, the Age of Revolution, the Age of Reform
- **Content**
 - The Middle Ages: the Old English period, the Middle English period
 - The Renaissance: the Tudor period, the Stuart period
 - The Age of Revolution: the Neoclassic period, the Romantic period
- The Age of Reform: the Victorian period, the Modern period
- Supplementary material: *Macbeth* (video)
- **Features**
 - The units are arranged according to major literary periods. The material provided through the unit introductions, headnotes, and timelines enables the student to analyze individual authors and their works in a historical and cultural context. Such analysis serves to broaden the student's world, enabling him to understand the ideas and writings of noted literary and historical figures and to apply biblical criteria when evaluating the beliefs espoused by such figures. The questions for thought and discussion, which follow the selections, progress from factual to evaluative and are valuable both for class discussion and for providing students with an opportunity to develop further literary and moral discernment.

Vocabulary: Level F

3rd Edition



- **Approach**
 - The texts use context as a major means of learning.
- **Plan**
 - Each text includes fifteen two-part lessons, fifteen 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 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*).

Bible Modules



The Bible Modular Series

These six- to eight-week courses focus on a variety of issues; they are designed for teens and adults.



How Firm a Foundation!

- Discusses how we got the Bible, how we know which books belong in the Bible, and how the Bible was transmitted and translated; focuses on inspiration, canonicity, and authority

Why the Bible Matters

- Discusses the Bible's design and function, focusing on how the Bible relates to science, history, and literature; explains how the Bible can help us make decisions and evaluate ideas

Personal Evangelism and Discipleship

- Offers a biblical foundation and practical methods for personal evangelism and discipleship; focuses on the doctrines of man, sin and salvation, the Great Commission, and discipleship

The Way of the Word

- Teaches methods of Bible study, including principles of interpretation and application; includes exercises that study a passage according to genre and context and apply Scripture to contemporary situations

A Workman Not Ashamed

- Prepares young men for the possibility of a future preaching ministry; discusses the call to preach,

the importance of standing for Christ, methods of preparing and delivering Bible messages, and the best methods of training for the ministry

In God's Presence

- Presents in story format the principle of Christian music as it relates to God's holiness; uses a study of Chronicles to illustrate the nature of music and to show how Scripture guides musical choices

Publish Great Things

- Presents the biblical teaching on world missions and includes practical methods for teen involvement in missions; focuses on key biblical doctrines supporting God's desire to save all from sin; provides activities to motivate students to reach the world for Christ

Martyrdom: The Final Triumph of Faith

- Inspires students to live God-centered lives and to see God's purpose in suffering and persecution; encourages them to triumph through adversity

Beyond the Sun

- Presents an expositional view of Ecclesiastes, revealing God's

perspective on the meaning of life in a fallen world

God and His Ways

- Surveys the biblical teaching on the doctrines of God, man, Christ, salvation, and the church, focusing on their relevance to everyday life

That I May Know Him

- Presents aspects of Christ's character and focuses on His relationships with various groups of people in the Gospel of Mark

What Is Truth?

- Contrasts the Christian world-view with the basic tenets of Hinduism, Buddhism, secular humanism, and postmodernism

Walking by the Spirit

- Surveys the Person and work of the Holy Spirit in the Old and New Testaments, focusing on the Spirit's role in salvation and sanctification

Who Is This Jesus?

- Teaches students to defend Christian beliefs against the errors of other religions and heretical sects, including Judaism, Islam, Mormonism, and the Jehovah's Witnesses

For Electives, see pages 45–47 of the **Subject** side of the Scope & Sequence.

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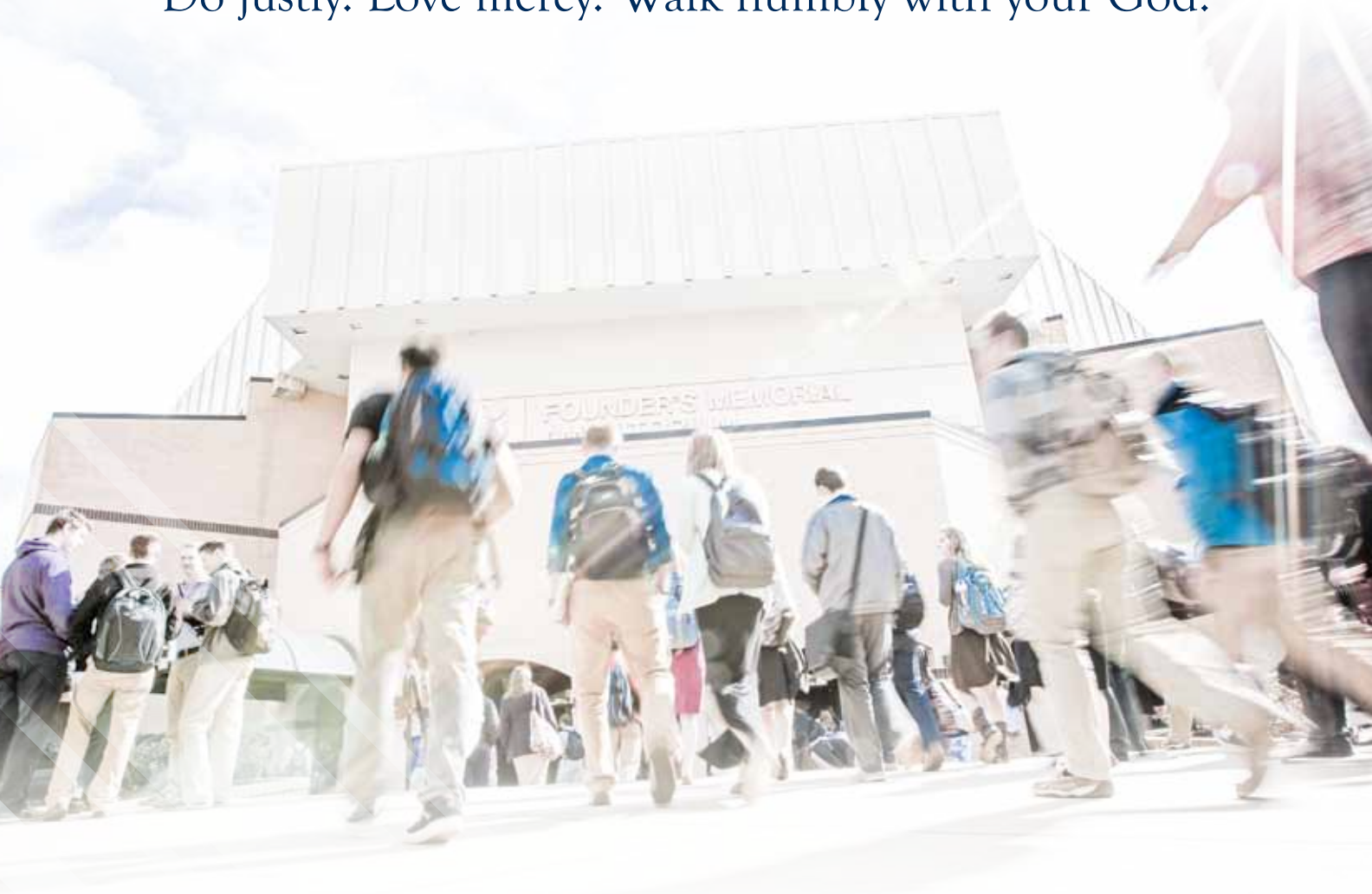
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