

Language Arts: Reading



An outstanding variety of children's literature from famous classics to modern selections encourages young readers to come back for more. These beautiful new readers with colorful art and designs will entertain students while deepening their understanding of the written word. With an emphasis on literary elements and concepts, students will grow in their ability to think critically while establishing and developing the foundation for a biblical worldview.

Fourth graders will grow in their ability to read for learning and gain independence through the use of character analysis, setting and plot charting, text structure analysis, and many other activities including creative writing.

Literary Value

- 86 authors, including such well-known writers as Lewis Carroll, Robert Louis Stevenson, Robert Lawson, Robert Frost, Aileen Fisher, Arleta Richardson, A. A. Milne, Hans Christian Anderson, E. B. White, Laura Ingalls Wilder
- Selections and adaptations from children's literature such as "A Narrow Escape" from Stuart

Little, "Down the Rabbit Hole" from *Alice's Adventures in Wonderland*, "Keeping House" from *On the Banks of Plum Creek*, "When God Knew Best" from *Grandma's Attic*, "Wilbur Meets Charlotte" from *Charlotte's Web*, "Captain Cook" from *Mr. Popper's Penguins*

▪ Character-building themes such as contentment, optimism, generosity, forgiveness, honesty, kindness, perseverance and service

Materials

- Readers (6) compilations containing stories (97), poems (57), plays (3), recipes (3), crafts (2), science demonstrations (2)
- Novels (Christian historical fiction and Christian classic allegory)
- Reading Comprehension 4 skill sheets
- Bible for Scripture reading

➤ RED indicates first introduction of content.

Reading Skills Development

- Read orally and silently with comprehension
- Strive for increasing: accuracy, fluency, phrasing, alertness to punctuation, expression, appropriate speed, comprehension, volume, poise
- Vocabulary Development through words and definitions
- Development of understanding literary types, terms, and concepts
- Exercise critical thinking through inference, evaluation, analyzation, and personal application—using fact and reasoning in the development of a biblical worldview

Literary Concept Development

- Understanding and applying literary concepts: title, author, character, main character, plot, setting, moral, main idea, stanza, summary, symbolism, climax, autobiography, biography, fiction, non-fiction, act, scene, simile
- Summarizing plot
- Comparing works of the same author
- Comparing similar works from different authors
- Predicting endings
- Discerning fact from opinion
- Introducing and utilizing literary concepts—dialogue, excerpt, inference, point of view, idiom, narrator, rhyme scheme, meter, repetition, dialect, metaphor, drama, cast, and stage directions
- Recognizing and analyzing text structures—narrative, informative, sequential, descriptive, problem/solution, compare/contrast, cause/effect
- Determining point of view—first and third person
- Analyzing characters and setting
- Recognizing genres: realistic fiction, historical fiction, fantasy, biographical stories including autobiographies, folktales, fables, legends, fairy tales, parables, Scripture
- Distinguishing fantasy from reality
- Charting information: word webs, Venn diagrams, compare/contrast, predict possible outcomes
- Creative collaboration activities for developing critical thinking
- Analyzing illustration and photo
- Interpreting figurative language

- Prompts for creative writing
- Understanding acts/scenes within a play
- Comparing biography/autobiography
- Analyzing, making inferences and drawing conclusions from descriptive and persuasive text
- Providing evidence from text to support analysis
- Discerning author's intent
- Writing narrative, descriptive, compare/contrast, problem/solution, cause/effect informative selections
- Recognizing themes in literature
- Recognizing and implementing good creative writing techniques

Readers

- *Once Upon a Story*—14 stories, 12 poems, 1 hymn, with a fanciful theme including BUILD ON IT concepts, reviewing title, author, main character, setting, plot, moral, main idea, fiction/nonfiction, simile, symbolism, summary, introducing literary concept—narrative text structure, point of view; Think About It, What DO YOU Think? Think It Through—factual, inferential, and interpretive comprehension/discussion questions; What Can YOU Do? activities; What Would YOU Do? activities including creative ideas for helping others; author/background information prompts, as well as literary type prompts for explanation of terms; story and Christian character themes; silent reading selections; illustration and photo observations; additional enrichment activities include predicting an ending, audio/video demonstrations, creative drawing and writing, charting comparisons, Venn diagrams, charting cause/effect, visual aids, creative collaboration; biblical worldview discussions noted by icons, critical thinking discussions and activities noted by icon, challenging vocabulary and definitions listed at bottom pages of stories; BUILD ON IT literary concept activities: drawing the setting, creative collaboration, writing from different points of view, identifying narrative text structures; graphic organizers challenging character analysis, comparing and contrasting with Venn Diagrams
- *In His Hands*—20 stories, 9 poems, 2 crafts, 1 hymn, Scripture reading, 1 recipe, missionary moment highlights in a variety of styles and literature types with an around the world theme including descriptive/persuasive selections and Scripture selections; BUILD ON IT concepts reviewing skills in recognizing problem solution and cause/

Reading cont.

effect in narrative text; challenging vocabulary and definitions listed at bottom pages of stories; **introducing literary concept—Descriptive and Sequential text structure**; Think About It, What DO YOU Think? Think It Through—factual, inferential, and interpretive comprehension/discussion questions; What Can YOU Do? activities, What Would YOU Do? activities including creative ideas for helping others; author and historical background information prompts, as well as literary type prompts for explanation of terms; story and Christian character themes; silent reading selections; interesting informational facts; illustration and photo observations; **A World of Words introduces international words/phrases and their meanings with free audio download**; additional enrichment activities include **bulletin board project**, game, creative writing; biblical worldview discussions noted by icons, critical thinking discussions and activities noted by icon; **BUILD ON IT literary concept activities: writing a narrative, writing a descriptive paragraph**; **creative collaboration**, character analysis, graphic organizers including **charting plot and climax**, comparing and contrasting with Venn Diagrams

- *Song of the Brook*—a 15-chapter Christian historical fiction novel, the **sequel** to *Secret in the Maple Tree*; **reconnect with Hilda and her family as they adjust to life in their new home in Washington state**; with the overall theme, “The Best Is Yet to Come”; includes advanced vocabulary words and definitions for vocabulary enrichment; reviews literary concepts—main character, plot, moral, summary, setting, title, author; review activities for character analysis and chapter summarization skills in preparation for book report; Bible application, biblical worldview application and critical thinking discussions; story and Christian character themes; chapter reviews including factual inferential and interpretive comprehension/discussion questions; additional enrichment activities; graphic organizers including cause/effect charting, character descriptions, **predict an ending**
- *Road Trip East*—21 stories, 11 poems, 1 recipe, 1 hymn, 1 newspaper article, 2 author highlight pages, 1 Scripture reading, highlighting a variety of styles and literature types with a road trip theme traveling the eastern United States featuring a fictional family named the Jacksons; challenging vocabulary and definitions listed in stories at bottom of pages, **BUILD ON IT concepts** reviewing descriptive/sequential text structure, biography, **introducing poetry elements, repetition, rhyme scheme, meter, and compare/contrast text structure**; Think About It, What DO YOU Think? Think It Through—factual, inferential, and interpretive comprehension/discussion questions; What Can YOU Do? activities, What Would YOU Do? activities including creative ideas for helping others; author and historical background information prompts, as well as literary type prompts for explanation of terms; **introducing The Author’s Pen to highlight creative writing techniques**; story and Christian character themes; silent reading selections; interesting informational facts; illustration and photo observations; **Track My Trip for added geographical information**; additional enrichment activities include map, game, creative writing, biblical worldview discussions noted by icons, critical thinking discussions and activities noted by icon; **BUILD ON IT literary concept activities: writing a rhyming poem, writing a compare contrast informative story, creative collaboration, graphic organizers including charting cause/effect and problem/solution, comparing and contrasting topics from informative texts**, character analysis
- *Fables and Folktales*—17 stories, 12 poems, 2 plays, 2 Scripture readings, highlighting a variety of folk literature including fairy tales, fables, legends retold through poetry and riddle; challenging vocabulary and definitions listed in stories at bottom of pages, as well as expanding knowledge of literary concepts including imagery, **idiom, fable, folktale, parable, legend**; **BUILD ON IT concepts** reviewing act and scene, **introducing metaphor, meter, cast, and stage directions**; Think About It, What DO YOU Think? Think It Through—factual, infer-

ential, and interpretive comprehension/discussion questions; What Can YOU Do? activities, What Would YOU Do? activities; The Author’s Pen to highlight creative writing techniques; story and Christian character themes; silent reading selections; interesting informational facts; illustration and photo observations; additional enrichment activities; biblical worldview discussions noted by icons, critical thinking discussions and activities noted by icon; **BUILD ON IT literary concepts activities: story map, identifying/explaining metaphors, create your own cast, creative writing using imagery**, Venn diagram

- *Pilgrim’s Progress: Christiana’s Journey*—a 14-chapter simplified allegory, the sequel to *Pilgrim’s Progress: Christian’s Journey*; **follows Christiana, Christian’s wife as she journeys with her family and friend to the Celestial City**; includes advanced vocabulary words and definitions for vocabulary enrichment, **map, the Pilgrim’s Journey**, Background Information from *Christian’s Journey*, book report preparation activities; Bible application; story and Christian character themes; factual, inferential, and interpretive comprehension/discussion questions; additional enrichment activities; Bible application, biblical worldview application and critical thinking discussions; Journal to record locations of events, characters, and lessons Christiana learned **with correlating scriptural evidence**
- *Gifts and Gadgets*—17 stories, 12 poems, 2 newspaper articles, 2 science demonstrations, highlighting a variety of styles and literature types with a scientific theme of inventions and innovative ideas to help improve everyday life, including a focus on the greatest Creator, highlighting some unusual creatures within His creation; Flash Forward modern invention feature; challenging vocabulary and definitions listed in stories at bottom of pages; **BUILD ON IT literary concepts** highlighting biography, and autobiography; **introducing first- and third-person point of view and problem and solution text structure**; The Author’s Pen to highlight creative writing techniques; story and Christian character themes; silent reading selections; interesting informational facts; illustration and photo observations; Think About It, What DO YOU Think?, Think It Through—factual, inferential, and interpretive comprehension/discussion questions; What Can YOU Do? activities; What Would YOU Do? activities including creative ideas for helping others; author and historical background information prompts, as well as literary type prompts for explanation of terms; additional enrichment activities include map, game, creative writing, biblical worldview discussions noted by icons, critical thinking discussions and activities noted by icon; **BUILD ON IT literary concept activities: problem solution creative writing, problem solution graphic organizers for creative collaboration**
- *Road Trip West*—25 stories, 13 poems, 1 recipe, 1 author highlight page, 1 Scripture reading, highlighting a variety of styles and literature types featuring a road trip theme traveling the western United States featuring a fictional family named the Daniels; challenging vocabulary and definitions listed in stories at bottom of pages; **BUILD ON IT literary concepts** introducing **dialect and cause/effect text structure**; Track My Trip for added geographical information; Think About It, What DO YOU Think? Think It Through—factual, inferential, and interpretive comprehension/discussion questions; What Can YOU Do? activities, What Would YOU Do? activities including creative ideas for helping others; author and historical background information prompts, as well as literary type prompts for explanation of terms; The Author’s Pen to highlight creative writing techniques, story and Christian character themes; silent reading selections; interesting informational facts; illustration and photo observations; additional enrichment activities; **BUILD ON IT literary concepts** include: creative collaboration, charting cause/effect and problem/solution, comparing and contrasting topics from informative texts, **writing a cause/effect informative story**

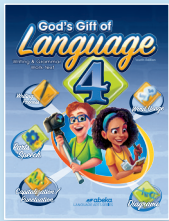
Reading cont.

- *Reading Comprehension 4*—collection of 43 science articles, short stories, historical informative selections, assessment pages for recall, application, evaluation, and analysis for thinking and problem solving; including index of Literary Application of Concepts: main idea, details, character analysis, author purpose, **mood, theme, moral, point of view, visualization**, setting, prediction, **text evidence**, sequence, inference, fact/opinion, **foreshadow**, context clues, text structure, **idiom, dialect, hyperbole, story elements, dialogue, shades of meaning**
- *Adventures in Other Lands*—28 timed narrative and informative selections with an international theme; 28 quizzes to access comprehension and speed; 1 game to chart personal progress (while analyzing scores, students can determine their best reading rate to achieve optimal accuracy in comprehension); quiz key

Comprehension, Discussion & Analysis Skills Development

- Answer factual and interpretive for most stories, poems, and other selections
- Answer inferential comprehension and discussion questions for most stories and poems
- Summarize selected readings
- Apply understanding of literary types, terms, and concepts

Language Arts: Language



The work-text *God's Gift of Language 4* gives students the tools necessary to become effective communicators. Through a variety of practice exercises in both grammar and writing, students continue building on the foundational language concepts learned in third grade. Fourth graders will expand their understanding and knowledge of English as they apply the following concepts: sentence structure and writing style; identifying and correctly using all eight parts of speech including action, helping, being, and linking verbs; identifying sentence patterns; subject-verb agreement including contractions and irregular verbs; punctuation rules including commas, periods, colons, quotation marks, and underlining; capitalization rules; and proofreader's marks.

Correlating with both *Writing with Purpose 4* and the Reading 4 program, *God's Gift of Language 4* allows students to translate grammar and mechanics skills into effective communication through writing applications appropriately spaced throughout the year. Students learn paragraph structure, summarization skills, cause/effect, inference, and persuasive writing (fact/opinion), as well as complete book reports (4), and a five-paragraph historical essay.

Added Enrichment

- Four themes (how things work, unusual animals, countries of the world, fine arts)
- Glossary section of language terms
- Writing section including graphic organizers for historical essay, book report forms
- Dedicated homework section
- Take 5! review mini-quizzes
- Continual spiral review and application of previously taught material

Evaluation

- Book reports (4)
- Historical essay
- Weekly quizzes (33)
- Biweekly tests (17)
- All quizzes and tests are included in *God's Gift of Language 4 Quizzes and Tests*

► RED indicates first introduction of content.

Grammar

- Capitalization
 - First word in every sentence
 - Days of the week and months of the year (not seasons)
 - Holidays/special days
 - Names referring to God and the Bible
 - Names, titles of respect, the word *I*, family titles used as names
 - Cities, countries, **rivers, oceans, map locations**
 - First word and every important word in titles
 - First word of direct quotations
- Punctuation
 - Periods
 - At end of most sentences
 - After initials/titles of respect
 - After abbreviations
 - Question marks at end of interrogative sentences
 - Exclamation points at end of exclamatory sentences
 - Quotation marks
 - Before and after a direct quotation
 - Around titles of short stories, poems, songs, articles
 - Commas
 - After yes or no at beginning of sentence

- After names of people you are speaking to (direct address)
- Separate town or city from state
- Separate words or groups of words in a series
- Separate parts of a date
- After the greeting and closing of a friendly letter
- Apostrophes
 - In contractions
 - With s to make a singular possessive
 - With s or single apostrophe to make a plural possessive
- Colon
 - Between chapter/verse of Scripture reference
 - Between hour/minute of written time
- Underline
 - Titles of books, newspapers, magazines, plays, works of art
 - Names of ships, planes, trains
- Sentences
 - Recognize
 - Complete sentences
 - Kinds of sentences: declarative, interrogative, exclamatory, imperative
 - Run-on sentences
 - Run-together sentences (corrected using introductory words/commas)

Language cont.

Grammar cont.

- Complete subject and predicate
- Simple subject and verb (including within contractions, imperative/interrogative sentences)
- Subject-verb agreement (including compound subjects, helping verbs/contractions)
- Diagramming
 - Subject/verb (including compound)
 - Adjectives
 - Adverbs
 - Conjunctions
 - Sentence patterns (S, AV, DO) (S, LV, PA) (S, LV, PN)
 - Compound sentences
- Contractions
 - Subject-verb agreement within contractions
 - Avoiding double negatives
- Parts of Speech
 - Verbs
 - Past, present, future tense
 - Action (with direct objects)
 - Compound verbs/verb phrases
 - State of being
 - Helping
 - Irregular verbs (past, present, need helping verbs)
 - Linking verbs (predicate adjective/predicate nominative)
 - Word usage
 - may/can, teach/learn, take/bring
 - lie/lay, sit/set
 - should/would/could
 - Singular/Plural
 - Plural spelling rules
 - Diagram
- Nouns
 - Singular/Plural
 - Plural spelling rules
 - Irregular plural nouns
 - Common/Proper
 - Compound
 - Possessive (plural possessives)
 - Diagram (subjects, predicate nominatives, direct objects)
- Pronouns
 - Define and identify
 - Identify antecedents
 - Pronoun-antecedent agreement (number/person)
 - Case: subjective/objective/possessive
 - Compound
- Adjectives
 - Answer What kind, How many, Which one, Whose, and How much
 - Possessive adjectives (nouns/pronouns)
 - Articles
 - Proper adjectives
 - Degrees of comparison
 - Predicate adjectives
 - Differentiating good/well
 - Diagram (modify subject/other nouns, compound, predicate adjectives)
- Adverbs
 - Modify verbs

- Answer How, When, How often, Where
- Avoiding double negatives
- Degrees of comparison
- Differentiating good/well
- Diagram
- Conjunctions
 - Define and identify
 - and, or, but, for, yet
 - Diagram in compound subjects/verbs,
 - Diagram in compound modifiers/compliments
- Prepositions
 - Identify 30
 - Prepositional phrase
 - Object of preposition
 - Differentiating preposition/adverb
 - Interjections
 - Correct usage
 - Punctuation rules (exclamation point, comma)
 - Related capitalization
- Word study and diction:
 - Contractions (34)
 - Troublesome words
 - Correct usage: There/Their/They're, Your/You're, Its/It's
 - accept/except, affect/effect, beside/besides, between/among, burst/bust, have/of, less/fewer, off of/off, to/and, wait on/wait for
 - Use negatives correctly
 - Homonyms/Antonyms
 - Transition words/Introductory words
 - Dictionary skills
 - Alphabetical order
 - Guide words, pronunciation, meaning, spelling, part of speech
 - Thesaurus skills
 - Synonyms

Composition

- Writing sentences using an assigned word or topic
- Correcting fragments
- Correcting run-on/run-together sentences
 - Compound sentences
 - Complex sentences
- Correcting choppy style by combining short sentences
- Correcting stringy style by dividing long sentences
- Using proofreader's marks for insert, capitalize, lowercase, delete, spelling error
- Writing
 - Using graphic organizers to identify/organize topics and main points
 - In given paragraph/story/article
 - In researched/original topic to write paragraph
 - Comparison/Contrast
 - Cause/Effect
 - Fact/Opinion
 - Word/Character
- Book reports (4)
 - Allegory
 - Christian fiction
 - Biography (choice)
 - Fiction (choice)
 - Non-fiction (choice)

Language cont.

Composition cont.

- Facts/Opinions (persuasive paragraph)
- Topic/Concluding sentences
- Cause/Effect
- Time order words
- Parts of a friendly letter, including addressing envelope

- Summarizing
 - Historical text (non-climactic)
 - Informative text (science)
 - Narrative text
- Historical Essay (5 paragraphs): Using the Writing Process
 - Research/organize using graphic organizer for each paragraph
 - Introductory/Concluding paragraphs
 - Write rough drafts; check/polish, compile, rewrite

Language Arts: Penmanship/Creative Writing



Penmanship: Writing with Purpose 4 contains exercises designed to give fourth graders daily instruction and practice in developing their penmanship skills. Emphasis is placed on neatness and correct letter formation through daily practice. Students will benefit from character building themes and thought-provoking questions through historical biographies and weekly Word Craft activities. Each activity is designed to promote thinking skills, creativity, and class discussion. Activities include the following: name acrostic, idioms, creating a party menu, and completing a boarding pass and passport information.

Creative Writing: Beginning in lesson 87, students apply effective communication skills as writing class focuses primarily on creative writing. A variety of creative writing topics will challenge students' thinking skills, enhance imagination, and prepare students to be skilled writers.

Added Enrichment

- Correlates with Writing Process taught in Language 4
- Decorative writing collection
- Optional collaborative projects
- Extra practice for penmanship review during creative writing focus
- Optional activities for additional creative writing opportunities
- Word Craft activities
- Additional writing exercises included in Language, Reading, History, Science, and Health

Evaluation

- Tests (33)
- Creative Writing selections (5-optional)

► RED indicates first introduction of content.

Skills Development

- Handwriting
 - Achieve good writing position:
 - Sitting properly in desk
 - Holding pencil correctly
 - Slanting paper correctly
 - Reviewing correct formation of all lower- and uppercase letters and numbers
 - Writing skills for a good overall appearance:
 - Forming difficult letters correctly
 - Placing letter correctly on lines
 - Writing with consistent spacing between letter and words
 - Slanting letters properly
 - Making smooth connections between letters and difficult letters
 - Using key strokes: wave, loop, oval, mountain
 - Writing using $\frac{3}{4}$ spacing on wide ruled paper
 - Writing using consistent letter size
 - Demonstrate ability to copy from print to cursive
 - Historical biographies with inspirational/character building quotes

Creative Writing

- Reviewing and enhancing the writing process: read and gather, think and plan, write and rewrite, check and polish, share your results
- Use proper punctuation and capitalization
- Organize main ideas into graphic organizers
- Writing topic/concluding sentences
- Constructing paragraphs
- State history reports correlating with History project *My State Notebook*:
 - State symbol
 - Cultural heritage
 - Vacation spot
 - Interesting facts
- Developing stories using suggested topics
- Writing a process summary using time-order words
- Multi-paragraph research reports
- Writing a persuasive letter
- Writing an original play
- Collaborative project: The Island of ____
 - Design island symbols (map, flag, seal)
 - Characteristics of citizenship, laws
 - Acceptance speech
 - Island website
 - Travel brochure

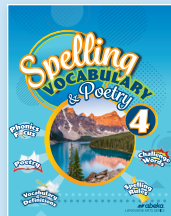
➤ **RED** indicates first introduction of content.

Penmanship/Creative Writing *cont.*

- Creative writing collection
- Guided research reports
- Picture writing prompts
- Story starters
- Stories with alternate endings
- Demonstrating comprehension by engaging in class discussion
- Compositions include these topics:
 - Imaginative pieces

- State history research paragraphs
- Biographical historical report on state figure
- Biographical scientist report
 - "How to" step-by-step process
- Play: setting, narration, and dialogue
- Shape poems
- Literary emphasis lessons correlating with *Charlotte's Web*
- Compare/Contrast of two and three item

Language Arts: Spelling, Vocabulary & Poetry



Spelling, Vocabulary, and Poetry 4 applies the skills of effective communication by teaching how spelling "works," examining words while applying spelling patterns and phonics. Lists integrate words from everyday life and words from other academic subjects. Words are arranged into four sections: Spelling Rule, Phonics Focus, Vocabulary Words, and Challenge Words. Students will build spelling and vocabulary skills by completing a variety of activities as well as expand spelling knowledge beyond the spelling list. Opportunities to develop a biblical worldview are provided as each list begins with A Word to Live By: a Bible verse and character trait related to a spelling or vocabulary word.

Added Enrichment

- Spelling and vocabulary:
 - Spelling lists (34) including 4 review lists
 - Total words (836)
 - Vocabulary words and definitions (136)
 - Practice Activities (139)
 - Spelling Bridges Applications (34)
 - Spelling Games (19)
 - Character-building Bible verses
- Quick-reference spelling rules in text
- Organized by spelling and phonetic patterns
- Build on previous concepts
- Reinforce new concepts
- Teacher Resources:
 - Scope and sequence
 - Sentence banks
 - Teaching Tips
 - Spelling Hints
 - Discussion Starters
 - DTAs available for spelling practice and review

- Poetry
 - Poetry section includes:
 - Introduction to each poem
 - Vocabulary words to know
 - Comprehension questions and critical thinking questions
 - Discussion Starters
 - Enrichment ideas
 - Literary terms
 - Biblical worldview
 - DTAs available to enrich interpretation and appreciation

Evaluation

- Spelling tests (34)

➤ **RED** indicates first introduction of content.

Spelling and Vocabulary Skills Development

- Master spelling lists including:
 - Words arranged according to patterns
 - Compound words
 - Capitalized words
 - Abbreviations
 - Prefixes
 - Suffixes
 - Root words
 - Double consonants
 - Applying spelling and vocabulary words correctly to complete sentences and paragraphs
 - **Memorize vocabulary definitions**
 - Commonly misspelled words
 - Syllable rules
 - Four review lists
 - Applying spelling pattern concepts through daily:
 - Teacher-directed oral practice
 - Independent written practice
 - Exercises and games that reinforce spelling skills
 - **Exercises that reinforce learning**
 - **Spelling Bridges to make application of acquired spelling skills**

- Hearing spelling and vocabulary words in example sentence, in order to clearly understand each word's meaning; differentiate between sound-alike words

Learn Spelling Rules:

- *i* before *e* except after *c*
- *i* before *e* except after *c* or when sounded like *a* as in *neighbor* and *weigh*
- There are some exceptions to the "i before e except after c rule"
- **Double the final consonant before a suffix beginning with a vowel if (1) the word has only one syllable or is accented on the last syllable and (2) the word ends in a single consonant preceded by a vowel.**
- When a root word ends in a consonant and a *y*, change the *y* to *i* before adding a suffix unless it begins with an *i*.
- When a root word ends in a consonant and a *y*, change the *y* to *i* before adding a suffix unless it begins with an *i*.
- When a root word ends in a vowel and a *y*, add the suffix.
- **Double the final consonant in a one-syllable word only if the word ends in one vowel and one consonant. Double the final consonant in a word of two or more syllables if the word ends in one vowel and one consonant and the final syllable is accented.**
- **Use a *t* for the *ch* sound when followed by *u-r-e*.**

Spelling, Vocabulary & Poetry *cont.*

Learn Spelling Rules: *cont.*

- If a word has two or more syllables use **c** for the final **k** sound.
- The letter **q** is followed by **u** and at least one more vowel.
 - When a root word ends in a silent **e**, keep the **e** if the suffix begins with a consonant.
 - When a root word ends in a silent **e**, drop the **e** if the suffix begins with a vowel.
- The **f** sound can be spelled **p-h**, **g-h**, or **f**.
 - The singular and plural forms of some nouns are spelled the same.
 - The plural form of nouns ending in **s**, **x**, **z**, **ch**, or **sh** is formed by adding **-es**.
 - The plural form of some nouns ending in **f** or **fe** is formed by changing **f** or **fe** to **v** and adding **-es**.
- The suffixes **-able** and **-ible** say the same sound.
- The **sh** sound is sometimes spelled **c-i** at the beginning of any syllable except the first.
- When **ks** sound is in the middle of a word, it is usually spelled with an **x**.
- When the long **e** sound comes before a final syllable beginning with a vowel, it is usually spelled with **i**.
- Some words contain unusual spellings

Learn Phonics Focus:

- The long **a** sound can be spelled **a**, **a-i**, **e-a**.
- The long **e** sound can be spelled **e**, **e-e**, **e-a**, **e-o**.
- When **y** comes at the end of a word, it usually says the long **e** sound.
- The long **o** sound can be spelled, **o**, **o-u-g-h**, and **o-a**.
- The long **i** sound can be spelled with a **y**.
 - The sound **aw** in **saw** can be spelled **a-u**, **a-u-g-h**, and **a-l**.
 - The sound **oo** in **tooth** can also be spelled **u**.
 - The sound **ow** in **owl** can also be spelled **o-u**.
 - Words containing silent consonants
- The short sound of **i** can be spelled with a **y**.
 - The sound **sion** in **missionary** is spelled **sion** even as a suffix.
 - The sound **ar** in **stars** can be spelled **a-r**.
- When **c** comes before **e**, **i**, or **y**, it says the **s** sound.
- When **g** comes before **e**, **i**, or **y**, it says **j**.
 - The sound **tion** in **nation** is spelled **t-i-o-n**.
 - The spelling **o-u-g-h** represents many sounds.
 - The letters **a-r** at the end of words with two or more syllables says **er**.

- The sound **er** at the end of words can be spelled **e-r**, **a-r**, or **o-r**.
 - The syllable **p-r-e** can be pronounced **prĕ** or **prē**. The syllable **p-e-r** can be pronounced **pur** or **per**.
- The short **o** sound can be spelled **a-u**.
 - The letters **g-h** can be silent or say the **f** sound.
- The letters **d-e** and **d-i** at the beginning of a word can sound alike.
- In French words, the final **t** is silent.
- Long **u** can be spelled **u-e**, **e-w**, **u_e**, and **u**.

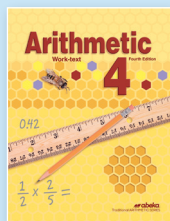
Worksheet Activities

- Identifying root words
- Dividing words according to syllables
- Alphabetizing to the third and fourth letter
- Identifying rhyming words
- Proofreading and using proofreader's marks
- Finding the correct antonym and synonym
- Solving puzzles using spelling words
- Using spelling and vocabulary words to complete sentences
- Identifying variant spellings of the same sound
- Defining vocabulary words
- Identifying homonyms
- Applying spelling rules to complete words
- Creative writing with spelling and vocabulary words
- Adding suffixes correctly
- Using words in biblical context

Poetry Skills Development

- Memorize 8 lyrical poems
- Develop appreciation of poetry
- Introduce personification, rhyme scheme, imagery, onomatopoeia, and other literary terms.
 - Perform before an audience
 - Recite in unison
 - Develop appropriate expression and volume
 - Learn the meanings of new and unfamiliar words
 - Improve comprehension through discussion
- Critical thinking questions to stimulate reasoning
- Discussion Starters to facilitate biblical application
- Enrichment ideas to generate interest in the message of the poem

Arithmetic



The colorful daily worksheets in *Arithmetic 4* provide practice over familiar concepts and new material. The four basic processes are taught and reviewed, as well as multiplying and dividing by two-digit numbers, estimation, square measures, writing decimals as fractions, and simple geometry. A major emphasis is on working with proper and improper fractions; adding, subtracting, and multiplying fractions; and finding the least common denominator. Students will continue to solve multi-step word problems which encourage the application of concepts being learned.

➤ RED indicates first introduction of content.

Evaluation

- Biweekly quizzes (16)
- Biweekly tests (17)
- Daily skills development exercises (136)

Numbers

- Place value:
 - Whole numbers to the 100 millions place
 - Decimals to the thousandths place
- Writing numbers from dictation to the 100 millions place
- Roman numerals:
 - Value of I, V, X, L, C, D, M

- Basic rules for Roman numerals
 - More complex rules for forming Roman numerals
- Number sentences:
 - With unknowns
 - Order of operations (parentheses)

Arithmetic cont.

Numbers cont.

- Even/odd numbers
- Estimating: product, quotient, divisor

Addition

- Addition families 1–18: mixed order
- Timed mastery
- Terms: addend, sum
- Missing sign
- Word problems
- Money
- Mental arithmetic: problems combining addition, subtraction, multiplication, and division up to 7 numbers
- Carrying to any position
- Checking by addition
- Addends: column addition
- Averaging
- Fractions:
 - With common denominators
 - With uncommon denominators
- Measures
- Decimals

Subtraction

- Subtraction families 1–18: mixed order
- Timed mastery
- Missing sign
- Mental arithmetic: problems combining subtraction, addition, multiplication, and division up to 7 numbers
- Word problems
- Terms: minuend, subtrahend, difference
- Borrowing from a whole number or zero in any position
- Money and measures
- Number sentences: with unknowns, order of operations
- Checking by addition
- Fractions:
 - With common denominators
 - With uncommon denominators
- Decimals

Multiplication

- Multiplication facts: 0–12 tables
- Word problems
- Timed mastery
- Terms: factor, product, partial product
- Missing sign
- Mental arithmetic: problems combining multiplication, division, addition and subtraction up to 7 numbers
- Multiplying with:
 - 1 or 2 digits
 - 3 digits
- Carrying
- Checking by reversing factors
- Number sentences: with unknowns, order of operations (parentheses)
- Money
- Factors:
 - Factoring
 - Finding common factors and greatest common factor

- Fractions:
 - Using cancellation
 - Multiplying fractions with whole and mixed numbers
- Estimation of product

Division

- Division facts: 1–12 tables
- Word problems
- Steps of division
- Terms: dividend, divisor, quotient
- Missing sign
- Timed mastery
- Mental arithmetic: problems combining division, multiplication, addition, and subtraction up to 7 numbers
- Divisor: 1 and 2 digits
- Dividends: 2 and 3 digits or more
- Remainders written as a fraction
- Checking by multiplication
- Money
- Averaging
- Number sentences: with unknowns; order of operations (parentheses)
- Estimating quotients, divisors
- Divisibility rules for dividing by 2, 3, 4, 5, 9, 10

Fractions

- Parts of a whole or group
- Word problems
- Timed mastery
- Terms: numerator, denominator
- Number words
- Reading and writing fractions
- Number line
- Types:
 - Proper, mixed, improper
 - Write as whole or mixed number
- Reducing:
 - Finding least common denominator
 - Answers to lowest terms using greatest common factor
- Addition:
 - With common denominators
 - With uncommon denominators
- Subtraction:
 - With common and uncommon denominators
 - With borrowing
- Multiplication:
 - Using cancellation
 - With whole or mixed numbers
- Equivalent fractions

Decimals

- Money
- Decimal point
- Reading and writing: writing a decimal as a fraction
- Place value to the tenths, hundredths, thousandths places
- Addition and subtraction

Problem Solving & Applications

- Word Problems:
 - Steps of problem-solving process
 - Addition, subtraction

Arithmetic *cont.*

Problem Solving & Applications *cont.*

- Multiplication, division
- Fractions, money, measures
- Finding averages
- **Decimals**
- Geometry: area, perimeter using formulas
- Graphs, clue words
- 1, 2, and 3 steps
- Mixed operations
- Estimating answers
- Applications for broader and deeper understanding of concepts: fractions, length, weight, graphs, geometry

Time

- Table of time:
 - Second, minute, hour, day
 - Week, year, leap year
- Decade, score, century, millennium

Money

- Know values of all coins
- Recognize symbols: \$ (dollar sign) and . (decimal point)
- Money problems with mixed operations
- Making change
- **Counting back change**

Measures

- Temperature:
 - Reading and writing
 - Terms: degrees
 - Celsius and Fahrenheit:
 - Determining if a Celsius temperature is cold or hot
 - Freezing and boiling points of water
 - Normal body temperature
- Length:
 - English: inch, foot, yard, mile
 - Metric:
 - **Millimeter**
 - Centimeter
 - **Decimeter**
 - Meter
 - **Decameter, hectometer, kilometer**
- Weight:
 - English: ounce, pound, ton
 - Metric:
 - **Milligram, centigram**
 - **Decigram**
 - Gram

- **Decagram, hectogram**
 - Kilogram
- Capacity:
 - English:
 - **Fluid ounce**
 - Cup, pint, quart, gallon
 - Peck, bushel
 - **Teaspoon, tablespoon**
- Metric:
 - **Milliliter, centiliter, deciliter**
 - Liter
 - **Decaliter, hectoliter, kiloliter**
- Ordering measures least to greatest
- Converting from one measure to another within same system
- Subtracting unlike measures within same system
- **Square measures: square inches, feet, and yards**
- **Metric prefixes: milli-, centi-, deci-, deca-, hecto-, kilo-**
- **Timed mastery**

Graphing, Statistics & Probability

- Statistics: averaging
- Graphs:
 - Pictographs, bar graphs, scale drawings, line graphs
 - Reading and completing
- Finding distance on scale drawings

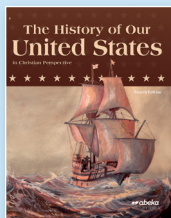
Geometry

- Plane figures:
 - **Simple closed curve, polygon**
 - Quadrilateral: parallelogram, rectangle, square, rhombus, trapezoid
 - Triangle
- Angles:
 - Right
 - **Congruent**
- **Lines:**
 - **Line segment, line, ray**
 - **Intersecting lines**
- **Terms: point, perpendicular, parallel**
- **Perimeter of a polygon: formulas for rectangle, square**
- **Recognize models and symbols:**
 - • (point); – (line segment)
 - ↔ (line); → (ray)
 - < (angle)
 - **Concept of area: finding area of rectangle, square**

Pre-Algebra

- Finding the unknown number in an equation

History & Geography



The History of Our United States is a high-interest, inspiring, narrative approach to American history. The lively writing style and outstanding visual features make the student's first formal study of United States history a positive, enjoyable experience. As they learn how the United States of America came to be a nation, who its famous people have been, and what important events have taken place in its history, students learn to love, respect, defend, and protect their native land. Through this study of American history, students are given ideals to reach for and aspirations to follow.

Added Enrichment

- Chapters include:
 - Important new words, names, places, and dates
 - Maps (14) and time lines (9) of important dates of events
 - Comprehension checks (53)
 - Chapter checkups (18)
- Special feature boxes with in-depth study (15):
 - Important U.S. leaders, inventors, and missionaries
 - Interesting facts of the events in U.S. history
- *My State Notebook* for individual state study
- Map Study Skills worksheets (47)

Evaluation

- Printed quizzes (29)
- Homework quizzes (4)
- Tests (10)
- 9-weeks exam (4)

➤ **RED** indicates first introduction of content.

U.S. History Study

- Years of discovery:
 - Europe explores New World
 - North America claimed for England
- Years of exploration:
 - Spain: conquest of Mexico, De Soto discovers Mississippi
 - France: Cartier explores New World, first French settlement in New World
 - England: Drake the Dragon, "sea dogs"
- First Americans:
 - Differences in American Indian homes, transportation, games
 - Missionaries to American Indians: John Eliot, Roger Williams, John Wesley
 - Sequoya, Jim Thorpe
- English come to America:
 - Roanoke, the lost colony
 - Jamestown: first lasting colony
 - The Pilgrims: lovers of religious freedom
- New England Colonies:
 - Massachusetts Bay Colony: Puritans, religious freedom for some
 - Rhode Island: religious freedom for all
 - New Hampshire: John Mason
 - Connecticut: Thomas Hooker, Fundamental Orders of Connecticut
- Middle and Southern Colonies:
 - Who settled them:
 - New York: Dutch, French, British
 - Delaware: Dutch, Swedish, English
 - New Jersey: Dutch, English
 - Pennsylvania:
 - Swedish
 - Quakers, William Penn
 - Virginia:
 - English
 - House of Burgesses, elected representatives
 - Maryland: Catholic, religious freedom
 - The Carolinas: England, Charles Towne, plantations
 - Georgia: English, James Oglethorpe
- Colonial life:
 - Home: house-raising, homespun clothes
 - Communication: town criers, circuit-riding preachers
 - Education:
 - Hornbook, *New England Primer*
 - Dame school, old-field schools, Harvard
- The Great Awakening:
 - Revival, Jonathan Edwards, John Wesley, George Whitefield, David Brainerd
- French & Indian War:
 - George Washington: officer in colonial army
 - General Edward Braddock: commander of English army
 - New France: land French claimed in New World
- American War for Independence:
 - Colonists demand their rights as Englishmen:
 - Stamp Act, King George III
 - Representatives, taxes
 - Boston Massacre, Boston Tea Party
 - The war begins:
 - First Continental Congress: decision to boycott English goods
 - "Minutemen"
 - Paul Revere
 - Patrick Henry, patriots, Loyalists, Tories
 - Lexington, Concord
 - The American colonies fight for independence:
 - Second Continental Congress: decision to write Declaration of Independence
 - Battle of Bunker Hill
 - Ethan Allen, Green Mountain Boys, Hessians
 - Declaration of Independence is written:
 - Thomas Jefferson
 - John Hancock: President of Second Continental Congress
- The war continues:
 - General George Washington: became commander in chief of colonial army
 - Nathan Hale, Betsy Ross
- America wins its freedom:
 - Battle of Saratoga
 - Valley Forge
 - John Paul Jones, Lord Cornwallis
 - Yorktown
 - Treaty of Paris
- Building a new nation:
 - Articles of Confederation
 - Constitutional Convention
 - Constitution of the United States
 - Congress, Supreme Court
 - Bill of Rights, republic
 - George Washington

History & Geography cont.

U.S. History Study cont.

- Washington, D.C.:
 - Benjamin Banneker
- Our nation grows:
 - America pushes farther west:
 - Daniel Boone, Wilderness Road, Kentucky
 - Northwest Territory
 - Land Ordinance of 1785
 - Northwest Ordinance of 1787
 - United States doubles its size—Louisiana Purchase:
 - Captain Meriwether Lewis, Captain William Clark
 - War of 1812:
 - Napoleon Bonaparte
 - Francis Scott Key
 - Fort McHenry
 - "The Star-Spangled Banner"
 - The purchase of Florida: James Monroe
 - The Second Great Awakening:
 - Francis Asbury
 - Circuit-riding preachers; Peter Cartwright
 - The U.S. gains the Southwest:
 - Alamo, Santa Anna
 - Davy Crockett, General Sam Houston
 - War with Mexico, Mexican Cession, Gadsden Purchase
 - The great Gold Rush to California: John Sutter, "forty-niners," statehood
 - Oregon Territory: Oregon Trail, Marcus and Narcissa Whitman
- New schools and schoolbooks:
 - Noah Webster
 - William H. McGuffey
- The Civil War:
 - Before the war:
 - North and South differ on slavery
 - Abraham Lincoln: President of Union
 - Jefferson Davis: President of Confederate States
 - Eli Whitney and cotton gin
 - Free states, slave states
 - Missouri Compromise
 - Civil War:
 - Fort Sumter, blockade
 - Merrimac and Monitor
 - Emancipation Proclamation
 - Ulysses S. Grant, Robert E. Lee
 - Battle of Gettysburg, Gettysburg Address
 - Appomattox Court House, Virginia
 - After the war:
 - John Wilkes Booth: shot President Lincoln
 - Andrew Johnson: President after Lincoln died
- New frontiers:
 - Rebuilding the South: Booker T. Washington, Tuskegee Institute, George Washington Carver
 - The last frontier:
 - Cowboys, Indians, farmers, reservations
 - Transcontinental railroad, Union Pacific Company, Central Pacific Company
 - Promontory Point, Utah; Homestead Act; Oklahoma Land Rush
 - Cyrus McCormick
- Age of progress:
 - A growing nation: immigrants

- Spreading the Gospel:
 - Billy Sunday
 - Charles Finney, Dwight L. Moody, Adoniram Judson
- Steel and oil (ingredients for success): Andrew Carnegie, Sir Henry Bessemer, John D. Rockefeller, Standard Oil
- Inventions (new ways to do things):
 - Pony Express
 - Steamboat, telegraph, Morse code, telephone
 - Thomas Edison
 - Assembly line
 - Orville and Wilbur Wright
- Beyond our boundaries:
 - Alaska: Russian America, William H. Seward, territory, gold
 - Hawaii: Captain James Cook
 - Spanish-American War: Cuba, Theodore Roosevelt, Rough Riders, San Juan Hill, Guam, Puerto Rico
 - Panama Canal: Isthmus of Panama
- The World Wars:
 - World War I (1914–1918):
 - Allied Powers, Central Powers, neutral nations
 - Archduke Ferdinand, President Woodrow Wilson
 - German U-Boats, Lusitania, Zimmermann Note
 - League of Nations
 - Between the World Wars: Roaring Twenties, Great Depression, dictators arise
 - World War II (1939–1945): Poland, Franklin D. Roosevelt, Axis Powers, Allies, Pearl Harbor, V-E Day, atomic bomb, concentration camps
 - Continuing World Problems: United Nations, Harry S. Truman, Communism, Berlin Wall, Korean War
- Time for freedom and responsibility:
 - Freedom and opportunity for all Americans:
 - Brown v. Board of Education
 - Martin Luther King, Jr.
 - Civil Rights Act of 1964
 - Enjoying America's freedoms: Dwight D. Eisenhower, Interstate Highway System, beginning space program
 - Preserving freedom: Cold War, John F. Kennedy, Lyndon B. Johnson, Vietnam War, Richard Nixon
 - Return to patriotism and family values: Ronald Reagan, Reagan Doctrine, Grenada
 - Supreme Court's influence: Sandra Day O'Connor; Clarence Thomas; John G. Roberts, Jr.
 - Times of testing:
 - Saddam Hussein, Iraq, Kuwait
 - President George Bush, Operation Desert Storm, Bill Clinton
 - Terrorism, Osama bin Laden, "War on Terror"
 - Operation Iraqi Freedom
 - Hurricane Katrina

Memory Work

- 6 documents:
 - The American's Creed
 - Portion of The Declaration of Independence
 - Preamble to the Constitution
 - First Amendment to the Constitution
 - The Rights of Americans
 - Lincoln's Gettysburg Address
- States
- Capitals
- 44 U.S. Presidents

➤ **RED** indicates first introduction of content.

History & Geography *cont.*

State History Study

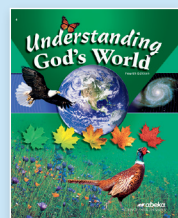
- 6 weeks of lessons including the following information:
 - Political and physical maps, flower, motto, bird, song, tree, flag, nickname, timeline, early settlement,
 - Historical figures, landmarks, government, regions, weather, industries, state capital, my city, citizens, my county, wildlife, plant life, sports, vacation spots

Geography Study

- Globes, maps, map key, map grid, distance scale, compass rose
- Cardinal and intermediate directions
- Western and Eastern Hemispheres
- Continents and oceans
- Equator

- North America:
 - Great Lakes
 - Seas, bays, gulfs, rivers
 - Countries
 - Mountains
- Geographical terms: source and mouth of river, delta, channel, canal, desert, oasis, downstream, upstream, sea level, altitude, mountain, valley
- Atlas, physical and political maps
- U.S. maps:
 - States
 - Capitals
 - 13 original colonies; U.S. expansion

Science



Understanding God's World fascinates elementary students from the very beginning by presenting things that they can see, observe, and understand in the world around them. They learn how to make an insect zoo, how to recognize the plants they see every day, how to attract birds to their own backyard, how to use field guides, how to interpret cloud formations, and how to identify rocks. Students learn to appreciate many aspects of God's creative genius by studying the miracle of plant germination, the causes of weather, the God-given provisions for life on earth, the design of the starry heavens, and the ecology of the ocean depths.

Additional Helps

- Additional activities (5)
- CD with 10 related nature stories
- Suggested DVDs (5)
- Worksheets in Activity Book (44)

Evaluation

- Printed quizzes (23)
- Homework quizzes (3)
- Chapter tests (6)
- 9-weeks exam (3)

➤ **RED** indicates first introduction of content.

Science: Let's Find Out

- Learning about science: what a scientist is, what scientists do
- Learning how to observe:
 - Observing North American birds and flowers:
 - State bird project: 25 birds memorized
 - Canadian floral emblems project:
 - 13 provincial floral emblems memorized

Insects

- Ten million designs:
 - Characteristics:
 - Invertebrate (has an exoskeleton)
 - Three body parts: head, thorax, abdomen
 - **Ovipositor**
 - Breathing tubes; spiracles
- Insect zoo:
 - Making a zoo
 - Distinguishing butterflies from moths
- Insect life cycles:
 - Complete metamorphosis
 - **Law of biogenesis**
- Designer heads:
 - **Antennae with sensilla**
 - Compound and simple eyes
 - **Mouth parts**
- Designed for motion:
 - Legs
 - Types of wings
 - Migration

- **Crickets and grasshoppers**: incomplete metamorphosis, differences
- **Insects' defense**: fighting, chemical warfare, scare tactics, disguises
- **Insects communicate**: sight, smell, dancing, touch, sound
- **Where insects live**: trees, bushes, soil, wood, water
- **Dwellings of social insects**: nests, hives, mounds
- **Jean Henri Fabre**: explorer of backyard wonders

Activities & Demonstrations:

- Observing insect life
- Growing plants from seeds
- Making an insect zoo

Plants

- Designed to produce:
 - Food (photosynthesis), better air
 - **Better soil**
- **Needleleaf trees**: evergreen, conifers
- **Broadleaf trees and palms**: deciduous, state trees
- **Flowers**: parts of a flower (sepals, petals, stamens, pistils), pollinators, weeds, daisy (composite) family flowers
- **Seed design**: embryo, cotyledon
- Traveling seeds: air, wind, water, animals, people
- Germination: water, oxygen, right temperature
- **Poisonous plants**
- Plants: helpful and beautiful
- George Washington Carver: the plant doctor

Activities & Demonstrations:

- Observing three parts of a seed in lima beans; observing germination

Science *cont.*

Birds

- Birds in your backyard
- Recognizing birds: appearance, behavior, habitat
- Feeding birds: how, what, when
- Making birdbaths and birdhouses
- Birds of the forest
- Designer birds: various beaks and feet
- Designed for flight:
 - Bones and feather structure; lift
 - Seeing, hearing
- Jack Miner Bird Sanctuary

Activities & Demonstrations:

- Observing lift
- Making a birdbath
- Building a bird feeder and birdhouse

Matter: Water, Air & Weather

- God's gift of water (clouds): cirrus, cumulus, stratus
- Water for life:
 - Water is matter:
 - Molecules and atoms, hydrogen and oxygen
- Three states of water: water, steam, ice
- Water changes state
- Water's energy:
 - Energy and force defined
 - Potential energy, moving energy
- The atmosphere (an ocean of air):
 - Gases: oxygen, carbon dioxide, nitrogen
 - Layers of air
- Air's weight and pressure
- Wind (moving air):
 - Temperature
 - Pressure, energy
- Water in air: water cycle
- Condensation and precipitation:
 - Dew, frost
- Kinds of precipitation
- Clouds: types and combination types of clouds
- Weather forecasting: meteorologist, predicting weather
- Robert Boyle: father of chemistry

Activities & Demonstrations:

- Observing:
 - Surface tension and dissolving substances
 - How a water wheel works
 - The weight of air
 - Air pressure
 - The power of moving air
 - Evaporation
 - Condensation
- Making a water wheel

Energy: Sound & Hearing

- Sounds all around us:
 - Vibrations, sound waves
 - Speed of sound
- Making sound: larynx, vocal cords
- Receiving sound:
 - Parts of the ear
 - Hearing aids, animal ears

- High and low sounds: frequency
- Sounds that bounce back: echoes, ultrasound, sonar
- Preserving sound: phonograph, stereo
- Alexander Graham Bell: inventor of the telephone

Activities & Demonstrations:

- Observing:
 - How sound travels
 - Sound vibrations
- Demonstrating:
 - Frequency
 - High and low sounds
- Observing how energy bounces
- Hearing the difference in sound
- Learning some of the signs in the American manual alphabet
 - Making a tin-can telephone

Geology

- Our home, the earth:
 - Sphere, hemispheres
 - North Pole, South Pole, equator
- Earth's motion:
 - Earth rotates, revolves
 - Seasons
- Oceans and continents:
 - Facts about oceans and continents
 - Earth, a magnet
- Soil's ingredients:
 - Humus
 - Minerals
- Layers of soil: topsoil, subsoil
- The earth's crust
- Water and soil:
 - Erosion
 - Conservation
 - Water as a builder
 - Floods
- Rocks: igneous, sedimentary, metamorphic

Activities & Demonstrations:

- Measuring the earth
- Looking at the cause of day and night
- Learning why winter is cold
- Making crystals, a compass, a rock collection

Oceanography

- Paths of the sea:
 - Matthew F. Maury: paths of the sea
 - Oceanography
- Continental shelf and slope: Mariana Trench, fish of the continental shelf
- Ocean floor and open ocean: oceanic ridges, seamounts, fish of the depths, upper-level fish
- Methods and equipment for exploring the sea: aqualung, submersible, undersea labs
- The sandy sea: where sand comes from
- Salt and waves: properties and benefits of salt water
- Giants of the sea:
 - Marine mammals: baleen whales, toothed whales
- Three invertebrates: octopus, squid, jellyfish

► **RED** indicates first introduction of content.

Science *cont.*

Oceanography *cont.*

Activities & Demonstrations:

- Making currents
- Observing water pressure
- Seeing the difference in the density of salt water and fresh water
- Observing how salt water freezes at lower temperatures
- Learning about jet propulsion

Astronomy

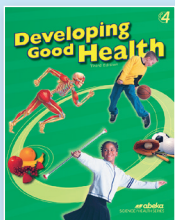
- Wonders of the night sky: our galaxy, our solar system, planet names
- Seasons, days, and years:
 - Weeks; astronomy, astrology
- Pictures in the sky: constellations
- The sun (the greater light):
 - Distance from the earth

- Sun's energy and gravity
- The moon (the lesser light):
 - Our nearest neighbor
 - Apollo 11
 - A natural satellite
 - A reflector
- The origin of the universe:
 - Can't be proved by science
 - God created
 - Explained in the Bible; we accept by faith

Activities & Demonstrations:

- Showing how sunlight affects starlight in the daytime
- Showing how light is absorbed and reflected
- Making a star viewer

Health



Developing Good Health begins with a unit on physical fitness and emphasizes the skeletal, muscular, and respiratory systems. Practical instruction regarding personal hygiene follows a study of the teeth and skin. A chapter on interpersonal relationships teaches students how to have a right relationship with God and with others, stressing the necessity of maintaining close family relationships and the importance of choosing the right friends.

Additional Helps

- Chapter content review sheets (2)
- Anatomy worksheets (5)
- Physical fitness exercises (11)
- Demonstration to illustrate how acid attacks teeth
- Review games (5)

Evaluation

- Printed quizzes (9)
- Homework quizzes (2)
- Tests (3)

► **RED** indicates first introduction of content.

Physical Fitness

- Skeletal system:
 - Identify:
 - Bones, ligaments
 - Hinge, ball-and-socket, pivot joints
 - Cranium, carpals, metacarpals
 - Build strong bones: nutrients
 - Correct posture:
 - Sitting, standing
 - Walking: roll heel to toe
 - Bending, lifting
- Muscular system:
 - Identify skeletal muscles:
 - Frontalis, masseters, trapezius, quadriceps, hamstrings
 - Biceps, triceps, trapezius, abdominal muscles
 - Skeletal muscles: work in pairs
 - Muscles: work by pulling only
 - Involuntary muscles: cardiac muscle
 - Exercise:
 - Benefits of endurance exercises
 - Terms: *cramp, strain, aerobic, muscle tone*
 - Calisthenics
 - Isometric exercises
- Respiratory system:
 - Process of external respiration:
 - Oxygen and carbon dioxide

- Nose:
 - Functions as an air conditioner
 - Mucus membrane, sinuses, cilia, sinusitis
 - Fight infection: adenoids, tonsils
- Identify parts of the respiratory system:
 - Pharynx, epiglottis, trachea, larynx
 - Bronchi, bronchial tubes, bronchioles, alveoli
 - Diaphragm
- Lung cancer
- Aerobic exercise: benefits, requirements, good sportsmanship, preventing injuries

Personal Hygiene

- Teeth:
 - Function:
 - Appearance, speech
 - Digestion: saliva
- Structure of a tooth: enamel, dentin, pulp, **cementum**, **periodontal membrane**
- Plaque control:
 - Acid
 - Dental caries; forms of sugar
- Keep teeth strong and healthy:
 - Brushing, fluoride toothpaste, flossing
 - Results of poor oral hygiene: halitosis, calculus, periodontal disease, malocclusion
- Treatment of injured teeth

Health *cont.*

Body's Cover

- Three layers of skin:
 - Epidermis: callus, pigments, melanin, ultraviolet rays, albinos
 - Dermis: sebaceous glands, sebum, sweat glands
 - Subcutaneous layer
- Signs of infection
- Structure of hair: hair follicles
- Burns and how to treat them
- Functions of the skin:
 - Controlling temperature
 - Keeping out bacteria

- Producing vitamin D
- Gathering information
- Proper skin care: nutrition, rest, exercise, water, sunscreen

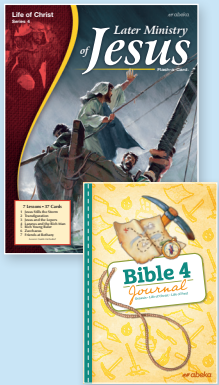
Keys to Good Grooming

- Good hygiene for the skin:
 - Care for fingernails and toenails
- Clean clothes and appropriate dress
- Keeping the home clean

Right Relationships

- Receiving everlasting life
- Having healthy relationships with God and others

Bible



Using the foundation that has been laid from preschool to third grade, fourth graders revisit familiar books of the Bible to make deeper personal applications. Through the study of Creation, students will see how sin entered the world, leaving man in desperate need for a Savior. The study of the triumphs and failures of men like Noah, Abraham, Jacob, and Joseph will give students the opportunity to strengthen their biblical worldview and build their faith through personal application of the Bible. Through the Gospels, the lessons from Jesus' birth, His miracles, and His death, burial, and resurrection will provide the opportunity to accept the free gift of salvation or develop a deeper appreciation for that gift. Students will also see how the message of salvation spread throughout the world through the three missionary journeys of Paul. Biblical worldview truths from these lessons are naturally highlighted in the correlated songs, verses, and doctrinal truths. The *Bible 4 Journal* gives students the opportunity to move from knowledge to application as they read the Bible passages for themselves, answer questions, record personal thoughts, and put into action the lessons learned.

Evaluation

- Graded memory verse passages (8)
- Content quizzes (12)

➤ **RED** indicates first introduction of content.

Lessons 405 Abeka Flash-a-Cards

- Salvation Series (5 lessons)
- Genesis Series (21): Creation, Adam, Cain; Enoch, Noah, Babel; Abraham and Isaac; Jacob; Joseph
- The First Thanksgiving
- Life of Christ Series (36): First Christmas; Boyhood and Early Ministry of Jesus; Jesus Heals and Helps; Later Ministry of Jesus; Crucifixion and Resurrection
- Life of Paul Series 1 and 2 (14)

Music 36 songs

- Choruses, hymns of the faith, holiday songs, patriotic songs including:
 - 13 new hymns and songs; 11 new choruses

Bible 4 Journal

- Personal application of the Bible lessons
- Discussion/questions strengthen biblical worldview

Memory Work

- New passages (11) containing 60 verses
- Review verses (74)
- Books of the Bible, sword drills

Doctrinal Drill 70 questions/answers

- Increase Bible knowledge of basic doctrines: the Bible, God, sin, salvation, heaven, assurance of salvation
- 8 questions with verses to memorize as answers

Prayer Time

- Learn to pray with thanksgiving for each other, our nation, those in authority over us

Sword Drills

- 88 Old and New Testament references to find
- Three sections of references to choose from—weekly, themed, special events

Music



American music reflects the spirit and strength of its people, telling the history of our country's struggle for independence, growth, and expansion. America's rich, colorful legacy is essential to a child's education. *Songs We Enjoy 4* brings together traditional, patriotic, holiday, and fun selections that students have enjoyed singing for generations. The sing-along CD makes song time enjoyable for the students and easy for the teacher.

➤ **RED** indicates first introduction of content.

Skills Development 66 songs

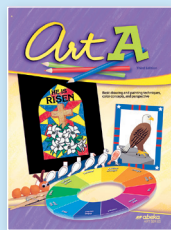
- Follow a song leader while singing with class or CD
- Define and explain 22 unfamiliar words and phrases in lyrics
- Aid in understanding a song's message
- Count a steady rhythm in songs
- Enunciate silly words
- Sing a two-part canon and rounds of 3 or more parts

- Echo sing parts
- Use dynamic contrast in music
- Improve coordination skills through motion songs
- Learn historical facts through patriotic, folk, and Americana music

Variety of Songs to Memorize

- Folk, fun, patriotic, spirituals and hymns, holiday, Americana, songs at sea

Arts & Crafts



In Art A, students practice the fundamental principles of color and perspective using basic drawing, coloring, and painting techniques with colored pencils and watercolors. A decorative calendar begins each monthly selection, and suggestions for interesting variations and further practice stimulate creativity. This art book has been carefully organized and illustrated so that students may work in them independently or as a class.

Concept Development 39 projects

- Primary and secondary colors (14)
- Intermediate colors (4)
- Complementary colors (6)
- Neutral and analogous colors (5)
- Colors of spectrum (3); color wheel (10)
- Perspective (3)

Technique Development

- Drawing: template, freehand, animation (8)
- Modeling (7)
- Painting: wash (2)
- Texture, weaving (4)
- Paper curling, folding, and shaping (6)
- Duplicating (1)
- Proportion (2)
- Motion lines (2)
- Translucent and cut-paper sculpture (3)
- Lettering (13)