

CURRICULUM OVERVIEW

Elementary Curriculum (Grades 3-5)



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Language Arts

Language Arts 300

Language Arts 300 focuses on the sequential development and integration of communication skills in four major areas: reading, writing, speaking, and listening. It most specifically focuses on deepening and furthering students' understanding in the following ways:

- **Reading** introduces students to basic reading skills, including the identification of main ideas, supporting details, sequence, and facts and opinions. Students learn close reading strategies to use in short stories, a short play, poetry, and fables. Students learn to read digital text also. Special attention has been paid to teaching students advanced word decoding skills. As students begin to read more advanced texts, students will need to have decoding skills to read larger words. Students will also be introduced to choosing "just right" books and completing book reports.
- **Writing** develops students' understanding of sentence structure, providing hands-on experience with complete sentences and build to writing complete paragraphs. Students will use graphic organizers to follow the writing process to write for a variety of genres including; personal narratives, fictional stories, poetry, and nonfiction texts. Students will develop vocabulary skills by learning and identifying homographs, synonyms, and antonyms. Students are introduced to roots and affixes, and word relationships. On the mechanics side, students will be introduced to cursive handwriting. Various grammar topics are introduced to build students use of writing conventions.
- **Speaking** Students will be given the opportunity to use their verbal communication skills in a variety of projects. Students will participate in classroom discussions. Students will also compare and contrast written word versus spoken word. Additionally, students will integrate multimedia elements into creating presentations.
- **Special Topics** introduces basic research skills, academic language, letter writing, and how to gather information from surveys and interviews.

Curriculum Contents

Reading Comprehension Skills

- Analyzing Plot
- Close Reading Strategies
- Choosing "just right" books
- Cause and Effect
- Context Clues
- Decoding Skills
- Digital Communication
- Determining Author's Purpose
- Following Written Directions
- Identifying Facts and Opinions
- Identifying Main Ideas and Supporting Details
- Identifying Theme
- Predicting Outcomes
- Reading to Classify
- Reading Haiku
- Reading Fables
- Reading Procedural Texts
- Reading a Short Play
- Reading Short Stories
- Reading for Sequence
- Skimming and Scanning for Information
- Visual Sources for Information

- Writing a Friendly and Thank You Letter
- Writing Paragraphs
- Writing Opinion Pieces
- Writing Haiku
- Writing Short Stories
- Revising Stories
- Writing Informational Report

Writing

Grammar and Usage

- Alphabetical Order
- Capitalization
- Determining Shades of Meaning of Words
- Parts of Speech
- Punctuation
- Point of View
- Sentence Structure
- Synonyms and Antonyms
- Word Parts

Spelling

- Difference Between Spoken and Written Words
- Preparing for a Classroom Discussion
- Multimedia Publishing with Technology

Special Topics

- Reference Materials—Atlases, Dictionaries, Encyclopedias
- Introduction to Cursive Handwriting

| Unit 1: Introduction to the Language Arts | | |
|--|---|---|
| Language Arts 300 | Assignments | |
| | 1. Course Overview | 9. Prepositions |
| | 2. Reading to Find the Main Idea | 10. Project: Personal Narrative |
| | 3. Project: Learning a New Language | 11. Quiz: Person, Prepositions, and Punctuation |
| | 4. Complete Sentences and Capitalization | 12. Unit Review |
| | 5. Project: Writing Paragraphs | 13. Special Project* |
| | 6. Quiz: Main Ideas and Language | 14. Test |
| | 7. Grammar: Punctuation | 15. Alternate Test* |
| | 8. First Person Versus Third Person | 16. Glossary and Credits |
| Unit 2: Capitalization Rules and Story Context | | |
| Language Arts 300 | Assignments | |
| | 1. Sentence Sense and Capitalization Rules | 12. Quiz: Context, Order, and Writing a Story |
| | 2. Capitalizing Holidays | 13. Using Sentences Correctly |
| | 3. Reading a Story About Sharing | 14. Decoding Words Using Spelling Patterns |
| | 4. Quiz: Capitalization and Sentence Sense | 15. Spelling Words with Complex Consonants |
| | 5. Alphabetical Order | 16. Quiz: Spelling, Decoding, and Sentences |
| | 6. Understanding Sequence and Context in a Story | 17. Unit Review |
| | 7. Context and Decoding Multi-syllable Words | 18. Special Project* |
| | 8. Vowels | 19. Test |
| | 9. Decoding With Vowel Digraphs and Diphthongs | 20. Alternate Test* |
| | 10. Project: Writing a Story | 21. Glossary and Credits |
| | 11. Project: Revising a Story | |
| Unit 3: Words and Meaning | | |
| Language Arts 300 | Assignments | |
| | 1. Using the Dictionary | 11. Synonyms |
| | 2. Project: Making Your Own Dictionary | 12. Capitalization Rules |
| | 3. Conventions and Academic Language | 13. Using Titles Correctly |
| | 4. Quiz: Using a Dictionary and Academic Language | 14. Project: Writing a Story about Pets |
| | 5. Root Words and Prefixes | 15. Quiz: Synonyms and Titles |
| | 6. Suffixes | 16. Unit Review |
| | 7. Reading a Story with New Words | 17. Special Project* |
| | 8. Project: Fable, Folklore, or Fairy Tale Report | 18. Test |
| | 9. Antonyms | 19. Alternate Test* |
| | 10. Quiz: Word Parts and Reading for Meaning | 20. Glossary and Credits |

| Unit 4: Grammar Practice and Biography | | |
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| Language Arts 300 | Assignments | |
| | 1. Nouns | 14. Determining Shades of Meaning in Words |
| | 2. Adjectives | 15. Reading a Biography |
| | 3. Quiz: Nouns and Adjectives | 16. Project: Rules for a Classroom Discussion |
| | 4. Verbs | 17. Difference Between Spoken and Written Words |
| | 5. Adverbs | 18. Preparing for a Discussion |
| | 6. Quiz: Verbs and Adverbs | 19. Project: Presentation of Knowledge and Ideas |
| | 7. Punctuation Marks | 20. Project: McCoy Today |
| | 8. Using Capital Letters | 21. Quiz: Reading and Discussing Biographic Stories |
| | 9. Using the Dictionary | 22. Unit Review |
| | 10. Project: Biography Report | 23. Special Project* |
| | 11. Quiz: Capitalization and Punctuation | 24. Test |
| | 12. Reviewing Words and Word Parts | 25. Alternate Test* |
| | 13. Asking and Answering Questions | 26. Glossary and Credits |
| Unit 5: Short Stories and Grammar Review | | |
| Language Arts 300 | Assignments | |
| | 1. Practicing Grammar Knowledge | 11. Identifying Theme in Fables |
| | 2. Punctuation Marks | 12. Analyzing a Plot |
| | 3. Capitalization Review | 13. Close Reading Strategies |
| | 4. Project: Vowels | 14. Quiz: Plot and Theme |
| | 5. Quiz: Grammar Review | 15. Unit Review |
| | 6. Reading to Understand | 16. Special Project* |
| | 7. Reading a Longer Story for Meaning - Part 1 | 17. Test |
| | 8. Reading a Longer Story for Meaning - Part 2 | 18. Alternate Test* |
| | 9. Project: Animal Story Report | 19. Glossary and Credits |
| | 10. Quiz: Reading and Writing to Show Understanding | |
| Unit 6: Digital Communication in Fables and Poetry | | |
| Language Arts 300 | Assignments | |
| | 1. Cause and Effect in a Fable | 13. What's Your Opinion |
| | 2. Understanding Main Ideas and Cause and Effect | 14. Opinions and Evidence |
| | 3. Using Capital Letters and Commas Correctly | 15. Linking Words and Phrases in Opinion Writing |
| | 4. Project: Book Review | 16. Conjunctions |
| | 5. Digital Communication | 17. Project: Writing an Opinion Piece |
| | 6. Project: Publishing with Technology | 18. Quiz: Opinions and Evidence |
| | 7. Quiz: Cause and Effect and Digital Communication | 19. Unit Review |
| | 8. Haiku Poetry and Homographs | 20. Special Project* |
| | 9. Project: Poetry Review | 21. Test |
| | 10. Project: Haiku Poetry | 22. Alternate Test* |
| | 11. Project: Multimedia Presentation of Poetry | 23. Glossary and Credits |
| | 12. Quiz: Reading and Writing Haiku Poetry | |

| Unit 7: Nouns and Friendly Letters | | |
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| Language Arts 300 | Assignments | |
| | 1. Reading for Main Ideas | 13. Quiz: Following Directions, Contractions, and Suffixes |
| | 2. Writing a Story | 14. Writing Letters |
| | 3. Noun Review | 15. Friendly Letters |
| | 4. Writing Singular and Plural Nouns | 16. Project: Writing a Friendly Letter |
| | 5. Complex Singular and Plural Nouns | 17. Quiz: The Friendly Letter |
| | 6. Quiz: Main Ideas and Nouns | 18. Unit Review |
| | 7. Reading to Follow Directions | 19. Special Project* |
| | 8. Fun With Language | 20. Test |
| | 9. Project: Following Directions* | 21. Alternate Test* |
| | 10. Spelling Complex Contractions | 22. Glossary and Credits |
| | 11. Pronouns | |
| | 12. Suffixes (-er and -est) | |
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| Unit 8: Close Reading and Adjectives | | |
| Language Arts 300 | Assignments | |
| | 1. Reading for Sequence | 11. Action Verbs |
| | 2. Adjective Review | 12. State of Being Verbs |
| | 3. Using Figurative Language to Describe | 13. Project: Cinderella Comparison and Contrast |
| | 4. Quiz: Reading For Sequence and Adjectives | 14. Quiz: Reading a Play and Identifying Verbs |
| | 5. Reading for Details | 15. Unit Review |
| | 6. Comparing with Adjectives | 16. Special Project* |
| | 7. Adjective Rules | 17. Test |
| | 8. Project: Adjective Extra Practice | 18. Alternate Test* |
| | 9. Quiz: Reading For Details and Adjectives | 19. Glossary and Credits |
| | 10. Reading a Play | |
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| Unit 9: Reading and Writing | | |
| Language Arts 300 | Assignments | |
| | 1. Reading to Classify | 14. Skimming and Scanning a Text for Information |
| | 2. Adverbs Review | 15. Visual Sources of Information |
| | 3. Reading for Information | 16. Project: Gathering Information from Surveys and Interviews |
| | 4. Reading to Predict Outcome | 17. Preparing to Write an Informational Report |
| | 5. Reading Fiction and Nonfiction | 18. Using Reference Books |
| | 6. Project: Nonfiction Report | 19. Project: Informational Report |
| | 7. Quiz: Purposes for Reading and Adverbs | 20. Quiz: Reading for Information and Research |
| | 8. Thank You Letters | 21. Unit Review |
| | 9. Cursive Writing | 22. Special Project* |
| | 10. Project: Writing a Thank You Letter | 23. Test |
| | 11. Quiz: Cursive and Thank You Letters | 24. Alternate Test* |
| | 12. Reading Procedural Texts | 25. Glossary and Credits |
| | 13. Project: Improving Research Questions | |

Language Arts 400

Language Arts 400 focuses on the sequential development and integration of communication skills in four major areas—reading, writing, speaking, and listening. It more specifically focuses on deepening and furthering students' understanding in the following ways:

- **Reading:** Students will continue to build fluency and independent reading skills by further developing comprehension strategies. Students will read a wide variety of genres including fiction, nonfiction, and poetry. Students will also use text features and graphic elements to build nonfiction comprehension skills. Across the genres, student analyze text to determine and identify, main ideas, supporting details, and sequence. Students will use inferencing skills to draw conclusions based on text. Students will differentiate fact from opinion in text. The texts have been chosen to further develop students' vocabulary skills. Students will learn how to determine meanings of unknown words in context. Students will also learn more about word parts and academic language to further develop their vocabulary.
- **Writing:** Using graphic organizers and following the writing process from brainstorming to final draft, students' writing skills will become stronger. Students will write for a variety of genres, include fictional stories, poetry, and informational text. Students will learn more complex paragraph structure. Students will also learn to make their writing come to life by learning about figurative language. Students begin to identify reliable sources of information and how to give credit to those sources. Integrated within the writing curriculum are grammar and convention lessons including; developing students' student's understanding of sentence structure, providing hands-on experience with subject-verb agreement and parts of speech. Students continue their learning of cursive handwriting.
- **Speaking:** Integrated into the Language Arts Curriculum are several projects in which students will apply their speaking skills. Students will plan for and participate in discussions. Students will orally present written work.
- **Listening:** Special attention is placed on developing student listening skills, Students will learn strategies for listening in different environments. Students will learn how to paraphrase claims that they have heard in a discussion.
- **Special Topics:** Teaches research skills, citing reliable sources and preparing study notes.

Curriculum Contents

Reading Comprehension Skills

- Determining Cause and Effect
- Determining Author's Purpose
- Determining Word Meanings with Analogies
- Determining Reading Rates
- Digital Communication and Advertising Techniques
- Identifying Facts and Opinions
- Identifying Main Ideas and Supporting Details
- Metacognitive Reading Strategies
- Predicting Outcomes
- Reading Poetry
- Reading Fluency
- Reading Independently
- Reasons for Reading
- Reading Short Stories
- Reading Biographies
- Reading Parables and Fables
- Reading Nonfiction
- Reading for Sequence
- Study Skills
- Using Context Clues
- Using Procedural Texts
- Word Study

Understanding Storytelling Elements

Writing

- Book Report—multiple genres
- Collaborative Revising
- Creating Concluding Statements
- Descriptive Writing
- Formal vs. Informal Language
- Paragraph Elements and Structure
- Paraphrasing Practice
- Taking Notes and Creating an Outline
- Writing Poetry
- Writing Friendly Letters and Invitations
- Writing Haiku
- Writing a Report
- Writing Short Stories
- Writing in Sequence
- Writing Invitations
- Writing Study Notes
- Writing Compound Sentences
- Writing an Opinion Piece
- Writing Summaries
- Using Precise Language
- Using Technology for Writing
- Using Linking and Transition Words

- Using Reason and Evidence
- Cursive Handwriting

Grammar and Usage

- Capitalization
- Correlative Conjunctions
- Parts of Speech
- Kinds of Sentences
- Punctuation
- Possession Words
- Prepositions and Prepositional Phrases
- Reflexive Pronouns
- Homonyms
- Sentence Structure

- Subject/Verb Agreement, Tenses
- Transition/ Linking Words

Speaking and Listening

- Discussion Skills
- Listening Skills
- Oral Presentation Skills

Special Topics

- Origin/Development of Language
- Research Skills
- Study Skills

Unit 1: Reading and Writing

Assignments

Language Arts 400

- | | |
|---|---|
| 1. Course Overview | 13. Project: Sequencing with Transition Words |
| 2. Reading Independently | 14. Quiz: Transition Words and Study Skills |
| 3. Understanding Language in Context | 15. Writing a Report |
| 4. Sources of Words in the English Language | 16. Project: Personal Narrative |
| 5. Quiz: Sources and Context for Words | 17. Using Procedural Texts |
| 6. Interpreting Language in Short Stories | 18. Project: Teach the Teacher |
| 7. Reading and Understanding Long Words | 19. Quiz: Report Writing and Procedural Texts |
| 8. Reading Fluency | 20. Unit Review |
| 9. Project: Reading Poetry and Prose Aloud | 21. Special Project* |
| 10. Quiz: Reading Independently and Aloud | 22. Test |
| 11. Study Skills | 23. Alternate Test* |
| 12. Transition Words | 24. Glossary and Credits |

Unit 2: Reading for Meaning

Assignments

Language Arts 400

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|--|--------------------------------------|
| 1. Thinking About What You Read | 12. Project: Four-Line Poem |
| 2. Sound Study | 13. Quiz: Reading and Writing Poetry |
| 3. Dictionary Skills | 14. Haiku Poems |
| 4. Using Dictionaries to Understand Words in a Story | 15. Haiku Poetry Composition |
| 5. Correlative Conjunctions | 16. Quiz: Haiku Poetry |
| 6. Influence of Character on Meaning in a Poem | 17. Unit Review |
| 7. Project: Envy Story | 18. Special Project* |
| 8. Quiz: Meaning in a Story, Poem, and Dictionary | 19. Test |
| 9. Principles of Poetry | 20. Alternate Test* |
| 10. Rhyme and Rhythm | 21. Glossary and Credits |
| 11. Writing Poetry | |

| Unit 3: Word Play | |
|-------------------|--|
| Assignments | |
| Language Arts 400 | 1. Short Story: How Willie Was Rescued |
| | 2. Root Words and Prefixes |
| | 3. Reflexive Pronouns |
| | 4. Root Words and Suffixes |
| | 5. Quiz: Pronouns, Prefixes, and Suffixes |
| | 6. Reading and Outlining to Summarize |
| | 7. Homonyms |
| | 8. Determining Word Meanings with Analogies |
| | 9. Using Context Clues |
| | 10. Quiz: Homonyms, Analogies, and Context Clues |
| | 11. Poetic Expressions |
| | 12. Synonyms and Antonyms |
| | 13. More About Poetry |
| | 14. Project: Poem Review |
| | 15. Quiz: Poetry, Synonyms, and Antonyms |
| | 16. Unit Review |
| | 17. Special Project* |
| | 18. Test |
| | 19. Alternate Test* |
| | 20. Glossary and Credits |

| Unit 4: Comprehension and Precise Language | |
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| Assignments | |
| Language Arts 400 | 1. Reading for Comprehension |
| | 2. Nouns and Verbs |
| | 3. Adjectives |
| | 4. Adjectives That Compare |
| | 5. Possessive Words |
| | 6. Project: Using Precise Language |
| | 7. Quiz: Reading Comprehension and Parts of Speech |
| | 8. Comparing Fiction to Nonfiction |
| | 9. Literature Comprehension Strategies |
| | 10. Analyzing and Drawing Conclusions in a Passage |
| | 11. Project: Fiction Book Review |
| | 12. Kinds of Sentences |
| | 13. Quiz: Types of Stories and Sentences |
| | 14. Instructions and Invitations |
| | 15. Prepositions and Prepositional Phrases |
| | 16. Adverbs |
| | 17. Quiz: Instructions, Invitations, and Parts of Speech |
| | 18. Preparing for a Discussion |
| | 19. Project: Preparing for a Discussion |
| | 20. Writing Study Notes |
| | 21. Using Reliable Sources Correctly |
| | 22. Agreement and Verb Tense |
| | 23. Quiz: Agreement, Tense, and Discussion |
| | 24. Unit Review |
| | 25. Special Project* |
| | 26. Test |
| | 27. Alternate Test* |
| | 28. Glossary and Credits |

| Unit 5: Reading and Writing Stories | |
|-------------------------------------|---|
| Assignments | |
| Language Arts 400 | 1. Understanding Story Details and Sequence |
| | 2. Paragraphs |
| | 3. Project: Practicing Paragraph Writing |
| | 4. Quiz: Reading and Writing Paragraphs |
| | 5. Understanding Author's Purpose and Figures of Speech |
| | 6. Capital Letters |
| | 7. Category Linking Words |
| | 8. Opinion and Reason Linking Words |
| | 9. Project: Creating Concluding Statements |
| | 10. Quiz: Reading and Writing Using Precise Language |
| | 11. Reading for Details |
| | 12. Punctuation Marks |
| | 13. Writing Compound Sentences |
| | 14. Project: Persuasive Writing |
| | 15. Quiz: Reading and Writing Details |
| | 16. Writing Stories |
| | 17. Punctuating Correctly |
| | 18. Project: Collaborative Revising |
| | 19. Project: Writing and Presenting a Story |
| | 20. Quiz: Writing, Revising, and Presenting a Story |
| | 21. Unit Review |
| | 22. Special Project* |
| | 23. Test |
| | 24. Alternate Test* |
| | 25. Glossary and Credits |

| Unit 6: Rhymes and Reports | | |
|--------------------------------|--|--|
| Language Arts 400 | Assignments | |
| | 1. Fact and Opinion | 11. Project: Oral Communication |
| | 2. Project: Writing an Opinion Piece | 12. Writing in Cursive |
| | 3. Book Reports | 13. Project: Printing and Cursive Writing |
| | 4. Formal and Informal Language | 14. Quiz: Listening and Writing About Stories |
| | 5. Project: Writing a Summary | 15. Unit Review |
| | 6. Project: Nonfiction Book Review* | 16. Special Project* |
| | 7. Quiz: Book Reports, Facts, and Opinions | 17. Test |
| | 8. Understanding Storytelling Elements | 18. Alternate Test* |
| | 9. Project: Listening in Different Environments | 19. Glossary and Credits |
| | 10. Study Skills and Note Taking | |
| Unit 7: Forms of Literature | | |
| Language Arts 400 | Assignments | |
| | 1. Biography | 12. Project: Tall Tale |
| | 2. Project: Biography Summary* | 13. Project: Presenting a Story |
| | 3. Noun Identification and Placement | 14. Helping Verbs and Contractions |
| | 4. Singular, Plural, and Possessive Nouns | 15. Project: Folk Tale Review* |
| | 5. Quiz: Biography and Nouns | 16. Quiz: Tall Tales and Verbs |
| | 6. Fables | 17. Unit Review |
| | 7. Following Directions in Parables and Fables | 18. Special Project* |
| | 8. Project: Writing a Fable | 19. Test |
| | 9. Action Verbs and Tense | 20. Alternate Test* |
| | 10. Quiz: Fables and Verbs | 21. Glossary and Credits |
| | 11. Tall Tales | |
| Unit 8: Language in Literature | | |
| Language Arts 400 | Assignments | |
| | 1. Reading Biography for Cause and Effect | 11. Figurative Language |
| | 2. Adjectives | 12. Paragraph Writing |
| | 3. Comparing Characters in Literature | 13. Project: Narrative Writing |
| | 4. Alternate Quiz: Biography, Character Comparison, and Adjectives | 14. Quiz: Point of View, Figurative Language, and Paragraphs |
| | 5. Adjectives That Compare | 15. Unit Review |
| | 6. Adverbs | 16. Special Project* |
| | 7. Digital Communication and Advertising Techniques | 17. Test |
| | 8. Project: Descriptive Paragraph* | 18. Alternate Test* |
| | 9. Quiz: Adjectives, Adverbs, and Digital Communication | 19. Glossary and Credits |
| | 10. Third Person Point of View in a Story | |

| Unit 9: Reading and Researching | |
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| Assignments | |
| Language Arts 400 | 1. Reasons for Reading |
| | 2. Making Inferences and Conclusions |
| | 3. Connecting Literature and Informational Texts |
| | 4. Finding Main Idea, Details, and Sequence |
| | 5. Project: Researching Native American Culture* |
| | 6. Quiz: Reading Skills |
| | 7. Reading Comprehension in Nonfiction |
| | 8. Understanding Author's Purpose |
| | 9. Project: Historical Fiction Report* |
| | 10. Quiz: Comprehension and Author's Purpose |
| | 11. Planning a Report |
| | 12. Finding Information |
| | 13. Project: Surveys and Interviews |
| | 14. Taking Notes and Making an Outline |
| | 15. Project: Report Part 1 |
| | 16. Project: Paraphrasing Practice |
| | 17. Quiz: Planning a Report |
| | 18. Writing a Report |
| | 19. Project: Report Part 2 |
| | 20. Using Reason and Evidence to Support |
| | 21. Using Technology for Writing |
| | 22. Project: Report Part 3 |
| | 23. Quiz: Writing a Research Report |
| | 24. Unit Review |
| | 25. Special Project* |
| | 26. Test |
| | 27. Alternate Test* |
| | 28. Glossary and Credits |

Language Arts 500

Language Arts 500 continues to build on the sequential development and integration of language arts skills in four major areas—reading, writing, speaking, and listening. It most specifically focuses on deepening and furthering students' understanding in the following ways:

- **Reading** develops students' comprehension skills. Special attention is placed on reading non-fiction texts. Students identify text features and explain how graphic elements lead to comprehension. Students read procedural texts and learn more about media literacy. Students continue to learn how to read for meaning across many genres such as historical fiction, short stories, and poetry. In all genres, students continue to build comprehension strategies including; the identification of main ideas, supporting details, sequence, and facts and opinions. Students continue to build more advanced reading skills, such as making inferences and drawing conclusions. Students continue to work with words by looking closely at academic language. Students learn how dialects in text contribute to the overall meaning of the text. Students also learn how to analyze and memorize primary sources.
- **Writing** builds on students' understanding of paragraphing. Following the writing process from brainstorming to final project, students write for a variety of purposes and audiences. Students utilize technology tools such as spell check and multimedia elements to polish and publish writing. Students continue to build grammar skills in support of clear communication. Students work with words by identifying homonyms, synonyms, and antonyms. Students are guided through creating an essential question, planning, organizing, writing, and revising an informational report.
- **Speaking** skills are built upon in Language Arts 500. Students memorize and recite the powerful Gettysburg Address. Students also learn what good communication is and how to practice this in all areas of their lives. Additionally, students prepare for a classroom discussion. Students participate in, and summarize claims made within the discussion. Students also prepare and give an oral presentation.

Curriculum Contents

Reading Comprehension Skills

- Asking Questions of a Text
- Comparing and Contrasting
- Cause and Effect
- Context Clues
- Determining Author's Purpose
- Determining Reading Rates
- Identifying Academic Language
- Identifying Features of Nonfiction
- Identifying Historical Context in Written Works
- Identifying Facts and Opinions
- Identifying Main Ideas and Supporting Details
- Identifying Points of View
- Finding Implied Meanings
- Media Literacy
- Making Inferences
- Nonfiction Text Features and Graphic Elements
- Preparing for a Discussion
- Reading Poetry
- Reading Fluency
- Reading Procedural Texts
- Reading Short Stories
- Reading for Sequence

- Middle and Modern English
- Writing Descriptive Narratives
- Writing Reports
- Writing Dialogue
- Writing a Fable
- Writing with Facts and Opinions
- Writing Poetry
- Writing a Report
- Writing Short Stories
- Taking Study Notes
- Using Spell Check
- Writing a Summary
- Writing Better Sentences
- Word Study

Grammar and Usage

- Identifying Parts of Speech
- Using and Punctuating Dialogue
- Kinds of Sentences
- Formal and Informal Language Use
- Pronunciation
- Punctuation
- Sentence Structure
- Types of Conjunctions

Writing

- Creating an Essential Question

Speaking and Listening

- Identifying Components of Good Communication
- Memorizing and Reciting the Gettysburg Address
- Participating in and Summarizing Claims in a Discussion
- Procedural Presentation
- Multimedia Presentation of an Author
- Using Appropriate Words

| Unit 1: Language Skills | |
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| Assignments | |
| Language Arts 500 | 1. Course Overview |
| | 2. The Author's Message |
| | 3. Project: Finding the Topic |
| | 4. Vowel Diphthong Design |
| | 5. Spelling: Vowel Changes |
| | 6. Quiz: The Author's Message and Vowel Diphthong Design |
| | 7. Short Story: Joe's Dilemma Part 1 |
| | 8. Vocabulary Study |
| | 9. Academic Language |
| | 10. Quiz: Dialogue, Vocabulary, and Academic Language |
| | 11. Using Spell Check |
| | 12. Project: Spelling Story* |
| | 13. Short Story: Joe's Dilemma Part 2 |
| | 14. Quiz: Reading and Writing Efficiently |
| | 15. Unit Review |
| | 16. Special Project* |
| | 17. Test |
| | 18. Alternate Test* |
| | 19. Glossary and Credits |

| Unit 2: Working with Information | |
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| Assignments | |
| Language Arts 500 | 1. Reading Nonfiction |
| | 2. Compound Words and Hyphens |
| | 3. Memorizing and Reciting the Gettysburg Address |
| | 4. Quiz: Reading and Hyphens |
| | 5. Main Ideas and Supporting Details |
| | 6. Project: Outline |
| | 7. Good Communication |
| | 8. Quiz: Main Ideas, Details, and Good Communication |
| | 9. Text Features and Graphic Elements |
| | 10. Reading Procedural Texts |
| | 11. Project: Procedural Presentation* |
| | 12. Parts of Speech |
| | 13. Contractions |
| | 14. Quiz: Contractions and Procedural Texts |
| | 15. Unit Review |
| | 16. Special Project* |
| | 17. Test |
| | 18. Alternate Test* |
| | 19. Glossary and Credits |

| Unit 3: The Story of Our Language | | |
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| Language Arts 500 | Assignments | |
| | 1. Comprehension | 13. Project: Multimedia Presentation on an Author* |
| | 2. Word and Sentence Study | 14. Homonyms, Idioms, and Abbreviations |
| | 3. Quiz: Comprehension and Word Study | 15. Using Nouns and Adjectives |
| | 4. Elements of the English Language | 16. Project: Descriptive Narrative |
| | 5. Prefixes and Suffixes | 17. Initials and Acronyms |
| | 6. Project: Book Report - Nonfiction | 18. Quiz: Language Confusion and History of Language |
| | 7. Phrases, Adjectives, and Adverbs | 19. Unit Review |
| | 8. Punctuation in a Series | 20. Special Project* |
| | 9. Quiz: Parts of Speech, Context Clues, and Punctuation | 21. Test |
| | 10. Writing a Short Story | 22. Alternate Test* |
| | 11. Language Confusion: Anglo-Saxon | 23. Glossary and Credits |
| | 12. Middle and Modern English | |
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| Unit 4: Effective Communication | | |
| Language Arts 500 | Assignments | |
| | 1. Reading Skills | 13. Project: Taking Notes |
| | 2. Sentence Patterns and Appropriate Words | 14. Written Report - Preparing an Outline |
| | 3. Quiz: Main Ideas and Appropriate Words | 15. Creating an Essential Question |
| | 4. Sensible Sentences | 16. Project: Drafting Research Questions |
| | 5. Project: Writing Descriptive Setting Paragraphs | 17. Project: Outline |
| | 6. Types of Conjunctions | 18. Project: Drafting Your Report |
| | 7. Project: Participating in and Summarizing Claims in a Discussion | 19. Media Literacy |
| | 8. Reading Skills and Robin Hood | 20. Project: Advertisements and Persuasion |
| | 9. Quiz: Reading, Writing, and Discussion Skills | 21. Quiz: The Written Report |
| | 10. Project: Writing an Opinion Piece | 22. Unit Review |
| | 11. Written Report - Selecting a Topic and Gathering Information | 23. Special Project* |
| | 12. Research and Gathering Sources | 24. Test |
| | | 25. Alternate Test* |
| | | 26. Glossary and Credits |
| Unit 5: Reading and Writing Stories | | |
| Language Arts 500 | Assignments | |
| | 1. Reading for Meaning | 13. Quiz: Writing Sentences, Dialogue, and Cursive |
| | 2. Writing About a Text | 14. Story Writing |
| | 3. Project: Writing a Summary | 15. Using Commas to Introduce |
| | 4. Judging the Value of a Story | 16. Project: Short Story |
| | 5. Project: Book Report - Historical Fiction | 17. Project: Story Comparison |
| | 6. Quiz: Reading and Summarizing a Story | 18. Quiz: Story Writing and Punctuation |
| | 7. Mastering Dialogue | 19. Unit Review |
| | 8. Capitalization Rules | 20. Special Project* |
| | 9. Project: Making Conversation | 21. Test |
| | 10. Project: Seed Ideas* | 22. Alternate Test* |
| | 11. Writing Better Sentences | 23. Glossary and Credits |
| | 12. Cursive Writing | |
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| Unit 6: Poetry | | |
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| Language Arts 500 | Assignments | |
| | 1. Reading Story Poems | 13. Poetic Ideas and Devices |
| | 2. Dialects in Text | 14. Poetic Forms |
| | 3. Enjoying Poetry | 15. Project: Pen Pictures and Couplets |
| | 4. Identifying Historical Context in Written Works | 16. Project: Free Verse Poem |
| | 5. Project: Rhythm | 17. Project: Poetry Book* |
| | 6. Quiz: Poetry and Historical Context | 18. Quiz: Poetic Forms and Devices |
| | 7. Poetry | 19. Unit Review |
| | 8. Reading Humorous Poems | 20. Special Project* |
| | 9. Playing With Words | 21. Test |
| | 10. Project: Book Report - Poetry | 22. Alternate Test* |
| | 11. Quiz: Humorous Poetry | 23. Glossary and Credits |
| | 12. Reading Inspirational Poems | |
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| Unit 7: Reading Comprehension | | |
| Language Arts 500 | Assignments | |
| | 1. Cause and Effect | 13. Judgments, Inferences, Facts, Opinions, and Mood |
| | 2. Sequence in Gulliver's Travels | 14. Vocabulary Practice |
| | 3. Analyzing a Plot: Foreshadowing | 15. Preparing for a Discussion |
| | 4. Project: Personal Reaction to Lilliput | 16. Asking Questions of a Text |
| | 5. Quiz: Sequence, Foreshadowing, and Personal Reactions in Stories | 17. Quiz: Judgments, Vocabulary, and Discussions |
| | 6. Third Person Point of View | 18. Identifying Adjectives |
| | 7. Reviewing Nouns | 19. Project: Adjectives |
| | 8. Singular and Plural Nouns | 20. Adjective Placement |
| | 9. Possessive Nouns; Uses of Nouns | 21. Quiz: Adjectives |
| | 10. Pronouns | 22. Unit Review |
| | 11. Indefinite Pronouns | 23. Special Project* |
| | 12. Quiz: Third Person Point of View, Nouns, and Pronouns | 24. Test |
| | | 25. Alternate Test* |
| | | 26. Glossary and Credits |
| Unit 8: Working With Words | | |
| Language Arts 500 | Assignments | |
| | 1. Main Verbs | 11. Aesop and Fables |
| | 2. Verb Forms | 12. Project: Fable Rewrite |
| | 3. Subject/Verb Agreement and Contractions | 13. Types of Sentences |
| | 4. Participles | 14. Project: Fables |
| | 5. Quiz: Verbs | 15. Quiz: Fables |
| | 6. Modifying with Adverbs | 16. Unit Review |
| | 7. Making Adverbs from Adjectives | 17. Special Project* |
| | 8. Showing Comparisons with Adverbs | 18. Test |
| | 9. Project: Preparing and Giving an Oral Presentation | 19. Alternate Test* |
| | 10. Quiz: Adverbs and Adjectives | 20. Glossary and Credits |

| Unit 9: Reading and Study Skills | | |
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| Language Arts 500 | Assignments | |
| | 1. Improving Reading Fluency and Study Skills | 11. Writing a Report with Facts and Opinions |
| | 2. Short Story: Richard Whittington and his Cat | 12. Project: Preparing a Fact and Opinion Report |
| | 3. Project: Summary of Richard Whittington | 13. Project: Fact and Opinion Report |
| | 4. Quiz: Reading and Study Skills | 14. Quiz: Literary Forms, Fact and Opinion |
| | 5. Maps, Charts, and Diagrams | 15. Unit Review |
| | 6. Outlines | 16. Special Project* |
| | 7. Project: Book Report - Biography | 17. Test |
| | 8. Quiz: Maps, Charts, Diagrams, and Outlines | 18. Alternate Test* |
| | 9. Reviewing Literary Forms | 19. Glossary and Credits |
| | 10. Analyzing Primary Sources: Persuasion | |

Spelling 300

In the third grade spelling course, students will delve into relevant spelling rules and word families throughout thirty weeks of instruction. Students will not only practice phonics skills including syllabication and sounding out multisyllabic words, but also incorporation of word parts such as prefixes and suffixes. These lessons not only meet instructional needs for spelling, but also reinforce language arts skills including application of the writing process and reading comprehension.

Each unit represents a specific spelling rule or word family. Each unit contains five short assignments per week that can be taught as a stand-alone course, or can easily integrate with English Language Arts curriculum. Lessons and projects include media to support the content, as well as incorporation of rubrics and positive messages for students that can support character education requirements.

| Unit 1: Multisyllabic Short A Words | | |
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| Spelling 300 | Assignments | |
| | 1. Introduction to Spelling List | 9. Project: Image Sentences* |
| | 2. Examine and Explore Words | 10. Using Spelling Words in Writing |
| | 3. Project: Missing Letters* | 11. Project: Image Spelling Story* |
| | 4. Project: Choose the Correct Spelling Word* | 12. Project: Favorite Event* |
| | 5. Project: Spelling Word Sentences* | 13. Project: What is Happening Here?* |
| | 6. Context and Meaning of Words | 14. Unit Test |
| | 7. Project: Completing the Sentence* | 15. Glossary and Credits |
| | 8. Project: Using Spelling Words in Context* | |
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| Unit 2: Multisyllabic Short E Words | | |
| Spelling 300 | Assignments | |
| | 1. Introduction to Spelling List | 9. Project: Spelling Words and Synonyms* |
| | 2. Exploring Spelling Words | 10. Writing with Spelling Words |
| | 3. Project: Dividing Words by Syllables* | 11. Project: Spelling Words in Poetry* |
| | 4. Project: Missing Letters* | 12. Project: What is Happening Here?* |
| | 5. Project: Secret Code* | 13. Project: Best or Worst Birthday Story* |
| | 6. Context and Meaning of Words | 14. Unit Test |
| | 7. Project: Words in Context* | 15. Glossary and Credits |
| | 8. Project: Choose the Correct Word* | |
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| Unit 3: Multisyllabic Short I Words | | |
| Spelling 300 | Assignments | |
| | 1. Introduction to Spelling List | 9. Project: Spelling Words and Antonyms* |
| | 2. Exploring Spelling Words | 10. Writing with Spelling Words |
| | 3. Project: Missing Syllables* | 11. Project: Spelling Words in Sentences* |
| | 4. Project: Visual Spelling Words* | 12. Project: What is Happening Here?* |
| | 5. Project: Alphabetical Order* | 13. Project: My Favorite Thing to Do * |
| | 6. Context and Meaning of Words | 14. Unit Test |
| | 7. Project: Words in Images* | 15. Glossary and Credits |
| | 8. Project: Choose the Correct Word* | |
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| Unit 4: Multisyllabic Short O Words | | |
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| Spelling 300 | Assignments | |
| | 1. Introduction to Spelling List | 9. Project: Words in Images* |
| | 2. Exploring Spelling Words | 10. Writing with Spelling Words |
| | 3. Project: Compound Word Math* | 11. Project: Word Group Writing* |
| | 4. Project: Creating Compound Words* | 12. Project: Image Spelling Story* |
| | 5. Project: Spelling Word Work* | 13. Project: Hidden Word Sentences* |
| | 6. Context and Meaning of Words | 14. Unit Test |
| | 7. Project: Hidden Word* | 15. Glossary and Credits |
| | 8. Project: Spelling Words in Sentences * | |

| Unit 5: Multisyllabic Short U Words | | |
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| Spelling 300 | Assignments | |
| | 1. Introduction to Spelling List | 9. Project: Words in Images* |
| | 2. Syllable Separation | 10. Alphabet Book |
| | 3. Project: Missing Vowels* | 11. Project: Word Group Writing* |
| | 4. Project: Word Unscramble* | 12. Project: Story Finisher* |
| | 5. Project: Word Waterfall* | 13. Project: I Can Sentences* |
| | 6. Context and Meaning of Words | 14. Unit Test |
| | 7. Project: Spelling Word Story | 15. Glossary and Credits |
| | 8. Project: Misspelled Words | |

| Unit 6: Multisyllabic Words and Long Vowel Sounds for /AI/ And /AY/ | | |
|---|---|--|
| Spelling 300 | Assignments | |
| | 1. Introduction to Spelling List | 9. Project: Which Word is Best?* |
| | 2. Word Families | 10. Broadcast News |
| | 3. Project: Which Word is Correct?* | 11. Project: Blogging with Spelling Words* |
| | 4. Project: Climbing the Word Mountain* | 12. Project: Story Starters* |
| | 5. Project: Word Art* | 13. Project: Book Covers* |
| | 6. Context and Meaning of Words | 14. Unit Test |
| | 7. Project: Spelling Word Synonyms* | 15. Glossary and Credits |
| | 8. Project: Misspelled Words* | |

| Unit 7: Multisyllabic Words and Long Vowel Sounds for /EA/ And /EE/ | | |
|---|-------------------------------------|--|
| Spelling 300 | Assignments | |
| | 1. Introduction to Spelling List | 9. Project: Copyediting* |
| | 2. Word Families | 10. Guess What? |
| | 3. Project: Alphabetical Order* | 11. Project: Emailing with Spelling Words* |
| | 4. Project: Creative Letters* | 12. Project: I Am...* |
| | 5. Project: Shortest to Longest* | 13. Project: Help Wanted Ads* |
| | 6. Context and Meaning of Words | 14. Unit Test |
| | 7. Project: Spelling Word Antonyms* | 15. Glossary and Credits |
| | 8. Project: Spelling Riddles* | |

| Unit 8: Review List | | |
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| Spelling 300 | Assignments | |
| | 1. Introduction to Spelling List | 9. Project: Misspelled Words* |
| | 2. Word Sorts | 10. Once Upon a Time... |
| | 3. Project: Vowel Sorts* | 11. Project: Letter to My Monster* |
| | 4. Project: Secret Code* | 12. Project: Figurative Language* |
| | 5. Project: Missing Vowels* | 13. Project: How-To* |
| | 6. Context and Meaning of Words | 14. Unit Test |
| | 7. Project: My Dictionary* | 15. Glossary and Credits |
| | 8. Project: Acrostic Poem* | |
| Unit 9: Multisyllabic Words and Long Vowel Sounds for /OA/ | | |
| Spelling 300 | Assignments | |
| | 1. Introduction to Spelling List | 9. Project: Words in Images* |
| | 2. Missing Vowels | 10. Postcard |
| | 3. Project: Suffix Sort* | 11. Project: Spelling Word Bookmark* |
| | 4. Project: Creative Letters* | 12. Project: Stretch a Sentence* |
| | 5. Project: Word Waterfall* | 13. Project: I Wonder...* |
| | 6. Context and Meaning of Words | 14. Unit Test |
| | 7. Project: Spelling Word Synonyms* | 15. Glossary and Credits |
| | 8. Project: What is the Correct Word?* | |
| Unit 10: Long Vowel Sounds with Words Ending in E | | |
| Spelling 300 | Assignments | |
| | 1. Introduction to Spelling List | 9. Project: Word Clues* |
| | 2. Misspelled Words | 10. Descriptive Writing |
| | 3. Project: Vowel Sort* | 11. Project: Spelling Words In Dialogue* |
| | 4. Project: Number Code* | 12. Project: Sequence Writing* |
| | 5. Project: Word Unscramble* | 13. Project: But, Then, Also* |
| | 6. Context and Meaning of Words | 14. Unit Test |
| | 7. Project: Spelling Word Antonyms* | 15. Glossary and Credits |
| | 8. Project: Silly Sentences* | |
| Unit 11: Multisyllabic Words with Closed Syllables | | |
| Spelling 300 | Assignments | |
| | 1. Introduction to Spelling List | 9. Project: Definition Sort* |
| | 2. Spelling Word Syllables | 10. Acrostic Poems |
| | 3. Project: Alphabetical Order* | 11. Project: Spelling Words in Song* |
| | 4. Project: Partial Words* | 12. Project: If/Then* |
| | 5. Project: Word Waterfall* | 13. Project: Smiley Sentences* |
| | 6. Context and Meaning of Words | 14. Unit Test |
| | 7. Project: Spelling Word Synonym Sentences* | 15. Glossary and Credits |
| | 8. Project: Connections* | |

| Unit 12: Multisyllabic Words and Open Syllables | | |
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| Spelling 300 | Assignments | |
| | 1. Introduction to Spelling List | 9. Project: Definition Sort* |
| | 2. Spelling Word Syllables | 10. Choose Your Own Ending |
| | 3. Project: Identifying Vowels* | 11. Project: Simile Search* |
| | 4. Project: Identifying Consonants* | 12. Project: Character, Problem, Setting* |
| | 5. Project: Sound Study* | 13. Project: Spelling Word Card* |
| | 6. Context and Meaning of Words | 14. Unit Test |
| | 7. Project: Spelling Word Sentences* | 15. Glossary and Credits |
| | 8. Project: Spelling Word Story* | |
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| Unit 13: Using Contractions Correctly | | |
| Spelling 300 | Assignments | |
| | 1. Introduction to Spelling List | 9. Project: Contraction Clues* |
| | 2. Misspelled Words | 10. I Thought I Couldn't... |
| | 3. Project: Contraction Sort* | 11. Project: Mnemonic Device* |
| | 4. Project: Identifying the Correct Contraction* | 12. Project: Awesome Alliterations* |
| | 5. Project: Creative Colors* | 13. Project: Write Your Own Fable* |
| | 6. Context and Meaning of Words | 14. Unit Test |
| | 7. Project: Contraction Action* | 15. Glossary and Credits |
| | 8. Project: Spelling Word Story* | |
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| Unit 14: /QU/ Words | | |
| Spelling 300 | Assignments | |
| | 1. Introduction to Spelling List | 9. Project: Venn Diagram* |
| | 2. The /QU/ Team | 10. Dear Classmate |
| | 3. Project: Sound Sort* | 11. Project: Movie Script Staring /QU/! |
| | 4. Project: Hexagon Spelling* | 12. Project: Facts and Opinions* |
| | 5. Project: Alphabetical Order* | 13. Project: Dear Diary* |
| | 6. Context and Meaning of Words | 14. Unit Test |
| | 7. Project: 3, 2, 1* | 15. Glossary and Credits |
| | 8. Project: Spelling Word Antonyms* | |
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| Unit 15: Consonant Doubling When Adding -ed or -ing to Verbs | | |
| Spelling 300 | Assignments | |
| | 1. Introduction to Spelling List | 9. Project: Haiku Poems* |
| | 2. Long Vowels Versus Short Vowels | 10. My Haiku Poems |
| | 3. Project: Vowel Hunt* | 11. Project: I Can Sentences* |
| | 4. Project: Climbing a Word Mountain* | 12. Project: Word Art* |
| | 5. Project: Word Scramble* | 13. Project: Silly Sentences* |
| | 6. Context and Meaning of Words | 14. Unit Test |
| | 7. Project: Spelling Word Clues* | 15. Glossary and Credits |
| | 8. Project: Spelling Word Synonyms* | |
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| Unit 16: Review List | | |
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| Spelling 300 | Assignments | |
| | 1. Introduction to Spelling List | 9. Project: Spelling Words in a Story* |
| | 2. Word Sorts | 10. Book Jacket |
| | 3. Project: Syllable Sorts* | 11. Project: My Adventure* |
| | 4. Project: What is the Word Worth?* | 12. Project: Talk to Me!* |
| | 5. Project: Spelling Syllables* | 13. Project: Stretch Sentences* |
| | 6. Context and Meaning of Words | 14. Unit Test |
| | 7. Project: My Dictionary* | 15. Glossary and Credits |
| | 8. Project: Misspelled Word* | |
| Unit 17: Plural Regular Nouns | | |
| Spelling 300 | Assignments | |
| | 1. Introduction to Spelling List | 9. Project: Similes and Metaphors* |
| | 2. Singular Word Versus Plural Word | 10. My Similes and Metaphors |
| | 3. Project: Word Endings* | 11. Project: Stretched Sentences* |
| | 4. Project: Word Steps* | 12. Project: My Advice* |
| | 5. Project: Word Scramble* | 13. Project: Silly Sentences* |
| | 6. Context and Meaning of Words | 14. Unit Test |
| | 7. Project: Which is the Correct Word?* | 15. Glossary and Credits |
| | 8. Project: Spelling Word Synonym Sentences* | |
| Unit 18: Irregular Plural Nouns: Changing y to -les | | |
| Spelling 300 | Assignments | |
| | 1. Introduction to Spelling List | 9. Project: Word Clues* |
| | 2. Singular Word Versus Plural Word | 10. #Spelling |
| | 3. Project: Word Endings* | 11. Project: Wanted: Outlaw Speller* |
| | 4. Project: Mirror Words* | 12. Project: Book Award* |
| | 5. Project: Misspelled Words* | 13. Project: Image Writing Prompt* |
| | 6. Context and Meaning of Words | 14. Unit Test |
| | 7. Project: Sentence Confusion!* | 15. Glossary and Credits |
| | 8. Project: Spelling Word Illustrations* | |
| Unit 19: Irregular Plural Nouns: Changing f or -fe to -ves | | |
| Spelling 300 | Assignments | |
| | 1. Introduction to Spelling List | 9. Project: Definition Sort* |
| | 2. Singular Word Versus Plural Word | 10. Word Hero! |
| | 3. Project: Word Endings* | 11. Project: Thank You* |
| | 4. Project: Buddy Words* | 12. Project: Snowflakes or Sun* |
| | 5. Project: Singular Sentences* | 13. Project: Image Writing Prompt* |
| | 6. Context and Meaning of Words | 14. Unit Test |
| | 7. Project: Choose the Right Word* | 15. Glossary and Credits |
| | 8. Project: Copyediting* | |

| Unit 20: Homophones | | |
|---|--------------------------------------|---|
| Spelling 300 | Assignments | |
| | 1. Introduction to Spelling List | 9. Project: Homophone Illustrations* |
| | 2. Homophone Pictures | 10. Homophones and Spell Check |
| | 3. Project: Longest to Shortest* | 11. Project: You're Hired!* |
| | 4. Project: Creative Letters* | 12. Project: Letter to My Friend the Alien* |
| | 5. Project: Word Waterfall* | 13. Project: Story Starter* |
| | 6. Context and Meaning of Words | 14. Unit Test |
| | 7. Project: Spelling Word Sentences* | 15. Glossary and Credits |
| | 8. Project: What is Wrong?* | |
| Unit 21: Words Using the Suffix -ful/-fully | | |
| Spelling 300 | Assignments | |
| | 1. Introduction to Spelling List | 9. Project: Quick Draw* |
| | 2. Word Endings | 10. I Have a Friend Who... |
| | 3. Project: Word Unscramble* | 11. Project: My Bucket List* |
| | 4. Project: Misspelled Words* | 12. Project: The Spelling Song* |
| | 5. Project: Base Words* | 13. Project: Image Writing Prompt* |
| | 6. Context and Meaning of Words | 14. Unit Test |
| | 7. Project: Choose the Right Word* | 15. Glossary and Credits |
| | 8. Project: Spelling Word Synonyms* | |
| Unit 22: Words Using the Suffix -able/-ably | | |
| Spelling 300 | Assignments | |
| | 1. Introduction to Spelling List | 9. Project: Other Words* |
| | 2. Word Endings | 10. Acceptance Speech |
| | 3. Project: Word Syllables* | 11. Project: Ongoing Sentences* |
| | 4. Project: Vowels* | 12. Project: All About This Year* |
| | 5. Project: Base Words* | 13. Project: Heart Map* |
| | 6. Context and Meaning of Words | 14. Unit Test |
| | 7. Project: Choose the Right Word* | 15. Glossary and Credits |
| | 8. Project: Meaning Mix-Up* | |
| Unit 23: Words Using the Suffix -ly/-ally | | |
| Spelling 300 | Assignments | |
| | 1. Introduction to Spelling List | 9. Project: Looks Like/Sounds Like* |
| | 2. Word Endings | 10. Zoom In |
| | 3. Project: Word Syllables* | 11. Project: Which Book and Why?* |
| | 4. Project: Consonants* | 12. Project: 50 Word Story* |
| | 5. Project: Base Words* | 13. Project: Biography* |
| | 6. Context and Meaning of Words | 14. Unit Test |
| | 7. Project: Spelling Word Riddles* | 15. Glossary and Credits |
| | 8. Project: Silly Sentences* | |

| Unit 24: Review List | | |
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| Spelling 300 | Assignments | |
| | 1. Introduction to Spelling List | 9. Project: Spelling Words in a Story* |
| | 2. Word Sorts | 10. Book Jacket |
| | 3. Project: Word Ending Sorts* | 11. Project: InstaPhoto* |
| | 4. Project: What is the Word Worth?* | 12. Project: Day in the Life* |
| | 5. Project: Spelling Syllables* | 13. Project: My Family Tradition* |
| | 6. Context and Meaning of Words | 14. Unit Test |
| | 7. Project: My Dictionary* | 15. Glossary and Credits |
| | 8. Project: Misspelled Word* | |
| Unit 25: Words Using the Suffix -er | | |
| Spelling 300 | Assignments | |
| | 1. Introduction to Spelling List | 9. Project: Spelling Word Antonyms* |
| | 2. What is the Word Worth? | 10. Selfie Poem |
| | 3. Project: Word Syllables* | 11. Project: Four W's Sentences* |
| | 4. Project: Word Squares* | 12. Project: I am an Authority on...* |
| | 5. Project: Base Words* | 13. Project: School Year Reflection* |
| | 6. Context and Meaning of Words | 14. Unit Test |
| | 7. Project: Definition Sort* | 15. Glossary and Credits |
| | 8. Project: Scrambled Sentences* | |
| Unit 26: Words Ending in -le/al | | |
| Spelling 300 | Assignments | |
| | 1. Introduction to Spelling List | 9. Project: Spelling Word Synonyms* |
| | 2. Identify Word Endings | 10. Spelling Slideshow |
| | 3. Project: Word Math* | 11. Project: If I Could be Any Shape...* |
| | 4. Project: Alphabetical Order* | 12. Project: Definitely, Definitely Not, Kind Of* |
| | 5. Project: Misspelled Words* | 13. Project: In Summary* |
| | 6. Context and Meaning of Words | 14. Unit Test |
| | 7. Project: Which Word is Best?* | 15. Glossary and Credits |
| | 8. Project: Guess What?* | |
| Unit 27: Words Ending in -tion/sion | | |
| Spelling 300 | Assignments | |
| | 1. Introduction to Spelling List | 9. Project: Word Art* |
| | 2. Identify Word Endings | 10. Magic Mirror |
| | 3. Project: Forward/Backwards* | 11. Project: My Invention* |
| | 4. Project: Missing Vowels* | 12. Project: Rebus Stories* |
| | 5. Project: Buddy Words* | 13. Project: Haiku* |
| | 6. Context and Meaning of Words | 14. Unit Test |
| | 7. Project: Image Match* | 15. Glossary and Credits |
| | 8. Project: Is Like/Not Like* | |

| Unit 28: Number Words | | |
|---|--|--|
| Spelling 300 | Assignments | |
| | 1. Introduction to Spelling List | 9. Project: Word Illustrations* |
| | 2. Pattern Sorts | 10. Advertisement |
| | 3. Project: Alphabetical Order* | 11. Project: How Many?* |
| | 4. Project: Partial Words* | 12. Project: Comic Strip* |
| | 5. Project: Number = Number Words* | 13. Project: Number Word Limericks* |
| | 6. Context and Meaning of Words | 14. Unit Test |
| | 7. Project: Image Match* | 15. Glossary and Credits |
| | 8. Project: Numbers in Sentences* | |
| Unit 29: Words using un-, im-, and in- Prefixes Meaning 'Not' | | |
| Spelling 300 | Assignments | |
| | 1. Introduction to Spelling List | 9. Project: Word Opposites* |
| | 2. Prefix Sorts | 10. Me and My Family |
| | 3. Project: Highlight Word Beginnings* | 11. Project: I Can Help the Earth by...* |
| | 4. Project: Longest to Shortest* | 12. Project: Tall Tale* |
| | 5. Project: Misspelled Words* | 13. Project: City Guide* |
| | 6. Context and Meaning of Words | 14. Unit Test |
| | 7. Project: Spelling Word Story* | 15. Glossary and Credits |
| | 8. Project: Connections* | |
| Unit 30: Review List | | |
| Spelling 300 | Assignments | |
| | 1. Introduction to Spelling List | 9. Project: Spelling Word Definition Sort* |
| | 2. Word Sorts | 10. Book Jacket |
| | 3. Project: Word Ending Sorts* | 11. Project: Where Does it Come From?* |
| | 4. Project: What is the Word Worth?* | 12. Project: Image Writing* |
| | 5. Project: Spelling Syllables* | 13. Project: Concrete Poetry* |
| | 6. Context and Meaning of Words | 14. Unit Test |
| | 7. Project: My Dictionary* | 15. Glossary and Credits |
| | 8. Project: Choose the Correct Word* | |

Spelling 400

In the fourth grade spelling course, students will delve into relevant spelling rules and word families throughout thirty weeks of instruction. Students will not only practice phonics skills including vowel combinations and sounding out multisyllabic words, but also incorporation of word parts such as prefixes and suffixes. Units include review of base and root words, plural nouns, and homophones. These lessons not only meet instructional needs for spelling, but also reinforce language arts skills including application of the writing process and reading comprehension.

Each unit represents a specific spelling rule or word family. Each unit contains five short assignments per week that can be taught as a stand-alone course, or can easily integrate with English Language Arts curriculum. Lessons and projects include media to support the content, as well as incorporation of rubrics for clear assessment.

| Unit 1: Multisyllabic Words Using the ai/ay/au Vowel Combination | | |
|--|---|--|
| Spelling 400 | Assignments | |
| | 1. Introduction to Spelling List | 9. Project: Using Spelling Words in Sentences* |
| | 2. Spelling Word Scramble | 10. Using Spelling Words in Writing |
| | 3. Project: Pattern Sort* | 11. Project: Spelling Word Sentences* |
| | 4. Project: Examining Words* | 12. Project: Spelling Word Story* |
| | 5. Project: Misspelled Words* | 13. Project: Spelling Word Image Story* |
| | 6. Context and Meaning of Words | 14. Unit Test |
| | 7. Project: Words in Context* | 15. Glossary and Credits |
| | 8. Project: Spelling Word Synonyms* | |
| Unit 2: Multisyllabic Words Using the ee/ea/eu Vowel Combination | | |
| Spelling 400 | Assignments | |
| | 1. Introduction to Spelling List | 9. Project: Spelling Alliterations* |
| | 2. Examining Words | 10. Using Spelling Words in Writing |
| | 3. Project: Shortest to Longest* | 11. Project: Spelling Word Sentences* |
| | 4. Project: Partial Words* | 12. Project: Reflection on Spelling Words* |
| | 5. Project: Number Code* | 13. Project: Spelling Word Image Story* |
| | 6. Context and Meaning of Words | 14. Unit Test |
| | 7. Project: Scrambled Words in Context* | 15. Glossary and Credits |
| | 8. Project: Spelling Word Antonyms* | |
| Unit 3: Multisyllabic Words Using the ie Vowel Combination | | |
| Spelling 400 | Assignments | |
| | 1. Introduction to Spelling List | 9. Project: Silly Questions* |
| | 2. Sound Study | 10. Spelling in the News |
| | 3. Project: Missing Vowels* | 11. Project: Spelling Word Fiction* |
| | 4. Project: Typing Time* | 12. Project: Writing About a Gift* |
| | 5. Project: Image Sort* | 13. Project: Image Writing Prompt* |
| | 6. Context and Meaning of Words | 14. Unit Test |
| | 7. Project: Using Spelling Words in Dialogue* | 15. Glossary and Credits |
| | 8. Project: Spelling Word Synonyms* | |

| Unit 4: Multisyllabic Words Using oa/ ow/ ou Vowel Combination | | |
|--|--|--|
| Spelling 400 | Assignments | |
| | 1. Introduction to Spelling List | 9. Project: Copyediting Practice* |
| | 2. Spelling Word Sorting | 10. Spelling Synonyms |
| | 3. Project: Partial Word* | 11. Project: Spelling Word Tongue Twisters* |
| | 4. Project: Typing Time* | 12. Project: A Day as a Farmer* |
| | 5. Project: Word Scramble* | 13. Project: Image Writing Prompt* |
| | 6. Context and Meaning of Words | 14. Unit Test |
| | 7. Project: Using Spelling Words in Sentences* | 15. Glossary and Credits |
| | 8. Project: Spelling Word Antonyms* | |
| Unit 5: Multisyllabic Words Using ue/ui Vowel Combination | | |
| Spelling 400 | Assignments | |
| | 1. Introduction to Spelling List | 9. Project: Which Word is Best?* |
| | 2. Spelling Word Sorting | 10. Story Starters |
| | 3. Project: Missing Vowels* | 11. Project: How-To* |
| | 4. Project: Alphabetical Order* | 12. Project: Blogging with Spelling Words* |
| | 5. Project: Word Scramble* | 13. Project: Cinquain Poems with Spelling Words* |
| | 6. Context and Meaning of Words | 14. Unit Test |
| | 7. Project: Spelling Word Synonyms* | 15. Glossary and Credits |
| | 8. Project: Copyediting* | |
| Unit 6: /SH/ Sound: -sion, -tion | | |
| Spelling 400 | Assignments | |
| | 1. Introduction to Spelling List | 9. Project: Spelling Word Antonyms* |
| | 2. Spelling Word Sorting | 10. Spelling Word Email |
| | 3. Project: Misspelled Words* | 11. Project: #Spelling* |
| | 4. Project: Word Waterfall* | 12. Project: Image Writing with Spelling Words* |
| | 5. Project: Word Scramble* | 13. Project: I Am...* |
| | 6. Context and Meaning of Words | 14. Unit Test |
| | 7. Project: Guess What* | 15. Glossary and Credits |
| | 8. Project: Spelling Word Story* | |
| Unit 7: /SH/ Sound: ci and -ch | | |
| Spelling 400 | Assignments | |
| | 1. Introduction to Spelling List | 9. Project: Word Art* |
| | 2. Spelling Word Sorting | 10. Spelling Words in Dialogue |
| | 3. Project: Creative Letters* | 11. Project: I Can Sentences* |
| | 4. Project: Climbing a Word Mountain* | 12. Project: Connections* |
| | 5. Project: Word Scramble* | 13. Project: Silly Sentences* |
| | 6. Context and Meaning of Words | 14. Unit Test |
| | 7. Project: Spelling Word Riddles* | 15. Glossary and Credits |
| | 8. Project: Spelling Word Story* | |

| Unit 8: Review List | | |
|--|--|--|
| Spelling 400 | Assignments | |
| | 1. Introduction to Spelling List | 9. Project: Misspelled Words* |
| | 2. Word Sorts | 10. Once Upon a Time... |
| | 3. Project: Vowel Combination Sorts* | 11. Project: Letter to the Future* |
| | 4. Project: Secret Code* | 12. Project: Figurative Language* |
| | 5. Project: Missing Vowels* | 13. Project: My Story* |
| | 6. Context and Meaning of Words | 14. Unit Test |
| | 7. Project: My Dictionary* | 15. Glossary and Credits |
| | 8. Project: Acrostic Poem* | |
| Unit 9: Base Words and Roots with the Suffix -ment | | |
| Spelling 400 | Assignments | |
| | 1. Introduction to Spelling List | 9. Project: Spelling Word Antonyms* |
| | 2. Base Words Versus Root Words | 10. Create a Character |
| | 3. Project: Word Scramble* | 11. Project: How-To* |
| | 4. Project: Climbing a Word Mountain* | 12. Project: Who Am I?* |
| | 5. Project: Misspelled Words* | 13. Project: Silly Sentences* |
| | 6. Context and Meaning of Words | 14. Unit Test |
| | 7. Project: Quick Draw* | 15. Glossary and Credits |
| | 8. Project: Spelling Word Story* | |
| Unit 10: Base Words and Roots with the Suffix -ly | | |
| Spelling 400 | Assignments | |
| | 1. Introduction to Spelling List | 9. Project: Spelling Word Synonyms* |
| | 2. Base Words Versus Root Words | 10. Descriptive Writing |
| | 3. Project: Missing Vowels* | 11. Project: Stretch a Sentence* |
| | 4. Project: Spelling Word Syllables* | 12. Project: Spelling Word Blog* |
| | 5. Project: Misspelled Words* | 13. Project: And the Award Goes To...* |
| | 6. Context and Meaning of Words | 14. Unit Test |
| | 7. Project: Adverb Versus Adjective* | 15. Glossary and Credits |
| | 8. Project: Choose the Right Word* | |
| Unit 11: Base Words and Roots with the Prefix dis- | | |
| Spelling 400 | Assignments | |
| | 1. Introduction to Spelling List | 9. Project: Spelling Word Clues* |
| | 2. Base Words | 10. Spelling in the News |
| | 3. Project: What's the Word Worth?* | 11. Project: Email* |
| | 4. Project: Spelling Word Syllables* | 12. Project: Prefix Poster* |
| | 5. Project: Forward and Reverse Words* | 13. Project: You're Hired!* |
| | 6. Context and Meaning of Words | 14. Unit Test |
| | 7. Project: Image Match* | 15. Glossary and Credits |
| | 8. Project: Copyediting Practice* | |

| Unit 12: Base Words and Roots with the Prefix pre- | | |
|--|--------------------------------------|------------------------------------|
| Spelling 400 | Assignments | |
| | 1. Introduction to Spelling List | 9. Project: Spelling Word Riddles* |
| | 2. Base Words | 10. Writing in Sequence |
| | 3. Project: Vowels and Consonants* | 11. Project: Book Jacket* |
| | 4. Project: Buddy Words* | 12. Project: Interesting Facts* |
| | 5. Project: Choose the Correct Word* | 13. Project: Story Frame* |
| | 6. Context and Meaning of Words | 14. Unit Test |
| | 7. Project: Antonyms* | 15. Glossary and Credits |
| | 8. Project: Word Connections* | |

| Unit 13: Words with Double Consonants | | |
|---------------------------------------|--------------------------------------|--|
| Spelling 400 | Assignments | |
| | 1. Introduction to Spelling List | 9. Project: Spelling Word Silly Sentences* |
| | 2. Double Consonant Sort | 10. All the News You Need |
| | 3. Project: Consonants* | 11. Project: Summary* |
| | 4. Project: Alphabetizing* | 12. Project: Caption This* |
| | 5. Project: Choose the Correct Word* | 13. Project: If I Were a Superhero...* |
| | 6. Context and Meaning of Words | 14. Unit Test |
| | 7. Project: Synonyms* | 15. Glossary and Credits |
| | 8. Project: Spelling Word Story* | |

| Unit 14: Plural Nouns: -s and -es Ending | | |
|--|-------------------------------------|---|
| Spelling 400 | Assignments | |
| | 1. Introduction to Spelling List | 9. Project: Context Clues* |
| | 2. Word Ending Sort | 10. Ask and Tell Sentences |
| | 3. Project: Singular Versus Plural* | 11. Project: I Can't Imagine Life Without...* |
| | 4. Project: Word Building* | 12. Project: Spelling Poster* |
| | 5. Project: Creative Letters* | 13. Project: Word Play Caf -r* |
| | 6. Context and Meaning of Words | 14. Unit Test |
| | 7. Project: 3-2-1* | 15. Glossary and Credits |
| | 8. Project: Spelling Word Story* | |

| Unit 15: Plural Nouns: Changing the Word Ending | | |
|---|------------------------------------|---|
| Spelling 400 | Assignments | |
| | 1. Introduction to Spelling List | 9. Project: Word Mystery* |
| | 2. Word Ending Sort | 10. Create Spelling Word Riddles |
| | 3. Project: Longest to Shortest* | 11. Project: Spelling Word Connections* |
| | 4. Project: Word Building* | 12. Project: Email* |
| | 5. Project: Word Waterfall* | 13. Project: Story Finisher* |
| | 6. Context and Meaning of Words | 14. Unit Test |
| | 7. Project: Spelling Word Riddles* | 15. Glossary and Credits |
| | 8. Project: What Does it Mean?* | |

| Unit 16: Review List | | |
|----------------------|--|---------------------------------------|
| Spelling 400 | Assignments | |
| | 1. Introduction to Spelling List | 9. Project: Misspelled Words* |
| | 2. Word Sorts | 10. True/False |
| | 3. Project: Prefix and Suffix Sorts* | 11. Project: Letter to the President* |
| | 4. Project: What is the Word Worth?* | 12. Project: Figurative Language* |
| | 5. Project: Missing Prefixes and Suffixes* | 13. Project: Student Selfie* |
| | 6. Context and Meaning of Words | 14. Unit Test |
| | 7. Project: My Dictionary* | 15. Glossary and Credits |
| | 8. Project: Example and Non-Examples* | |
| | | |

| Unit 17: Homophones That Begin with a and b | | |
|---|--------------------------------------|---|
| Spelling 400 | Assignments | |
| | 1. Introduction to Spelling List | 9. Project: Homophone Illustrations* |
| | 2. Homophone Pictures | 10. Homophones and Spell Check |
| | 3. Project: Longest to Shortest* | 11. Project: You're Hired!* |
| | 4. Project: Buddy Words* | 12. Project: If I Had a Million Dollars...* |
| | 5. Project: Word Waterfall* | 13. Project: Story Starter* |
| | 6. Context and Meaning of Words | 14. Unit Test |
| | 7. Project: Spelling Word Sentences* | 15. Glossary and Credits |
| | 8. Project: What's Wrong?* | |
| | | |

| Unit 18: Homophones That Begin with h Through o | | |
|---|--------------------------------------|--------------------------------------|
| Spelling 400 | Assignments | |
| | 1. Introduction to Spelling List | 9. Project: Homophone Illustrations* |
| | 2. Homophone Pictures | 10. Homophone Henry |
| | 3. Project: Coloring Vowels* | 11. Project: Email * |
| | 4. Project: What's the Word Worth?* | 12. Project: Comic Strip* |
| | 5. Project: Reverse ABC Order* | 13. Project: iPretendtext* |
| | 6. Context and Meaning of Words | 14. Unit Test |
| | 7. Project: Spelling Word Sentences* | 15. Glossary and Credits |
| | 8. Project: Spelling Story* | |
| | | |

| Unit 19: Homophones That Begin with t Through w | | |
|---|--------------------------------------|-----------------------------------|
| Spelling 400 | Assignments | |
| | 1. Introduction to Spelling List | 9. Project: Humorous Homophones* |
| | 2. Homophone Pictures | 10. Whodunit? |
| | 3. Project: Coloring Consonants* | 11. Project: Stretched Sentences* |
| | 4. Project: Forward/Reverse* | 12. Project: My Favorites* |
| | 5. Project: Word Mountain* | 13. Project: Poster* |
| | 6. Context and Meaning of Words | 14. Unit Test |
| | 7. Project: Spelling Word Sentences* | 15. Glossary and Credits |
| | 8. Project: Spelling Story* | |
| | | |

| Unit 20: Words Using the /schwa/ Sound | | |
|--|--|--------------------------------------|
| Spelling 400 | Assignments | |
| | 1. Introduction to Spelling List | 9. Project: Which Word is Best?* |
| | 2. Schwa Sound Sorter | 10. Broadcast News |
| | 3. Project: Coloring Schwa Sound* | 11. Project: I am Sentences* |
| | 4. Project: Alphabetical Order* | 12. Project: Figurative Language* |
| | 5. Project: Misspelled Words* | 13. Project: Spelling Word Bookmark* |
| | 6. Context and Meaning of Words | 14. Unit Test |
| | 7. Project: Phonic Sentences* | 15. Glossary and Credits |
| | 8. Project: Spelling Word Synonyms* | |
| Unit 21: Words Ending with -el and -al | | |
| Spelling 400 | Assignments | |
| | 1. Introduction to Spelling List | 9. Project: Copyediting* |
| | 2. Word Ending Sort | 10. Word Hero |
| | 3. Project: Coloring Word Endings* | 11. Project: Thank You Letter* |
| | 4. Project: Syllable Parts* | 12. Project: Heart Map* |
| | 5. Project: Scrambled Words* | 13. Project: Image Writing Prompt* |
| | 6. Context and Meaning of Words | 14. Unit Test |
| | 7. Project: Spelling Word Clues* | 15. Glossary and Credits |
| | 8. Project: Which Word is Correct?* | |
| Unit 22: Words Ending In -le | | |
| Spelling 400 | Assignments | |
| | 1. Introduction to Spelling List | 9. Project: Word Art* |
| | 2. Alphabetical Order | 10. I Believe That... |
| | 3. Project: Partial Words* | 11. Project: Alliterations* |
| | 4. Project: Number Code* | 12. Project: Email* |
| | 5. Project: Buddy Words* | 13. Project: My Adventure* |
| | 6. Context and Meaning of Words | 14. Unit Test |
| | 7. Project: Analogies* | 15. Glossary and Credits |
| | 8. Project: Spelling Word Sentences* | |
| Unit 23: Words Ending In -ure | | |
| Spelling 400 | Assignments | |
| | 1. Introduction to Spelling List | 9. Project: Definition Mixup* |
| | 2. Root Words | 10. Writing About Family |
| | 3. Project: Creative Letters* | 11. Project: My Pet's Secret Life* |
| | 4. Project: Letter Mix-Up* | 12. Project: Wishing on a Star* |
| | 5. Project: Letters/Sounds/Syllables* | 13. Project: Create an Animal* |
| | 6. Context and Meaning of Words | 14. Unit Test |
| | 7. Project: Examples and Non-Examples* | 15. Glossary and Credits |
| | 8. Project: Context Clue Sentences* | |

| Unit 24: Review List | | |
|--------------------------------|---|------------------------------------|
| Spelling 400 | Assignments | |
| | 1. Introduction to Spelling List | 9. Project: Misspelled Words* |
| | 2. Word Sorts | 10. Monster For Sale |
| | 3. Project: Vowels and Consonants* | 11. Project: My Mark on the World* |
| | 4. Project: What is the Word Worth?* | 12. Project: Days of the Week* |
| | 5. Project: Partial Words* | 13. Project: Student Selfie* |
| | 6. Context and Meaning of Words | 14. Unit Test |
| | 7. Project: My Dictionary* | 15. Glossary and Credits |
| | 8. Project: Cinquain Poems* | |
| Unit 25: Words Ending In -age | | |
| Spelling 400 | Assignments | |
| | 1. Introduction to Spelling List | 9. Project: What Does it Mean?* |
| | 2. Root Words | 10. Time Capsule |
| | 3. Project: Consonant Clues* | 11. Project: The Ugh List* |
| | 4. Project: Choose the Correct Word* | 12. Project: Continued Story* |
| | 5. Project: Spelling Word Syllables* | 13. Project: Changing Places* |
| | 6. Context and Meaning of Words | 14. Unit Test |
| | 7. Project: Copyediting* | 15. Glossary and Credits |
| | 8. Project: Spelling Word Riddles* | |
| Unit 26: Words Ending In -it | | |
| Spelling 400 | Assignments | |
| | 1. Introduction to Spelling List | 9. Project: Phonic Sentences* |
| | 2. Word Families | 10. Lyrical Poetry |
| | 3. Project: Alphabetical Order* | 11. Project: Weekend News* |
| | 4. Project: Word Mountain* | 12. Project: Sentence Types* |
| | 5. Project: Spelling Word Syllables* | 13. Project: Birthday Wish List* |
| | 6. Context and Meaning of Words | 14. Unit Test |
| | 7. Project: Spelling Word Sentences* | 15. Glossary and Credits |
| | 8. Project: Spelling Word Synonym Sort* | |
| Unit 27: Words Using edge/idge | | |
| Spelling 400 | Assignments | |
| | 1. Introduction to Spelling List | 9. Project: Spelling Word Clues* |
| | 2. Word Families | 10. Spelling in the News |
| | 3. Project: What is the Word Worth?* | 11. Project: Email* |
| | 4. Project: Spelling Word Scramble* | 12. Project: Spelling Poster* |
| | 5. Project: Forward and Reverse Words* | 13. Project: Biography* |
| | 6. Context and Meaning of Words | 14. Unit Test |
| | 7. Project: Image Match* | 15. Glossary and Credits |
| | 8. Project: Spelling Story* | |

| Unit 28: Words with r-Controlled Vowels (/ar/ Sound) | | |
|--|--------------------------------------|------------------------------------|
| Spelling 400 | Assignments | |
| | 1. Introduction to Spelling List | 9. Project: Context Clues* |
| | 2. Phoneme Sort | 10. Sequence Sentences |
| | 3. Project: Vowels and Consonants* | 11. Project: You're The Boss* |
| | 4. Project: Buddy Words* | 12. Project: Memory Hand* |
| | 5. Project: Choose the Correct Word* | 13. Project: Story Frame* |
| | 6. Context and Meaning of Words | 14. Unit Test |
| | 7. Project: Antonyms* | 15. Glossary and Credits |
| | 8. Project: Word Connections* | |
| | | |
| Unit 29: Words with r-Controlled Vowels (/or/ Sound) | | |
| Spelling 400 | Assignments | |
| | 1. Introduction to Spelling List | 9. Project: Analogies* |
| | 2. Phoneme Identification | 10. #SpellCorrectly |
| | 3. Project: Missing Vowels* | 11. Project: My Character Traits* |
| | 4. Project: Creative Letters* | 12. Project: I am a Good Speller!* |
| | 5. Project: Choose the Correct Word* | 13. Project: Comic Strip* |
| | 6. Context and Meaning of Words | 14. Unit Test |
| | 7. Project: Silly Sentences* | 15. Glossary and Credits |
| | 8. Project: Definition Sort* | |
| | | |
| Unit 30: Review List | | |
| Spelling 400 | Assignments | |
| | 1. Introduction to Spelling List | 9. Project: Misspelled Words* |
| | 2. Word Sorts | 10. Invention for Sale |
| | 3. Project: Word Family Sorts* | 11. Project: Memorable Endings* |
| | 4. Project: What is the Word Worth?* | 12. Project: Image Prompt* |
| | 5. Project: Partial Words* | 13. Project: Student Selfie* |
| | 6. Context and Meaning of Words | 14. Unit Test |
| | 7. Project: My Dictionary* | 15. Glossary and Credits |
| | 8. Project: Cinquain Poems* | |
| | | |

Spelling 500

In the fifth grade spelling course, students will delve into relevant spelling rules and word families throughout thirty weeks of instruction. Students will practice phonics skills including phonograms, compound words, and vowel-consonant-vowel patterns. Course units also include significant incorporation of word parts such as prefixes and suffixes. Units include review of base and root words, silent words, and homophones. These lessons not only meet instructional needs for spelling, but also reinforce language arts skills including application of the writing process and reading comprehension.

Each unit represents a specific spelling rule or word family. Each unit contains five short assignments per week that can be taught as a stand-alone course, or can easily integrate with English Language Arts curriculum. Lessons and projects include media to support the content, as well as incorporation of rubrics for clear assessment.

| Unit 1: Multisyllabic Words Using the Vowel-Consonant-Vowel Pattern | | |
|---|--|--|
| Spelling 500 | Assignments | |
| | 1. Introduction to Spelling List | 9. Project: Using Spelling Words in Sentences* |
| | 2. Sound Study | 10. Using Spelling Words in Writing |
| | 3. Project: Word Unscramble* | 11. Project: Writing About an Image* |
| | 4. Project: Examining Words* | 12. Project: Applying Spelling Words in a Story* |
| | 5. Project: Misspelled Words* | 13. Project: Letter Writing with Spelling Words* |
| | 6. Context and Meaning of Words | 14. Unit Test |
| | 7. Project: Word Analogies* | 15. Glossary and Credits |
| | 8. Project: Spelling Word Antonyms* | |
| Unit 2: Multisyllabic Words That Have i or y | | |
| Spelling 500 | Assignments | |
| | 1. Introduction to Spelling List | 9. Project: Choosing the Best Word* |
| | 2. Sound Study | 10. Writing About Nerves |
| | 3. Project: Smallest to Largest* | 11. Project: Writing About an Image* |
| | 4. Project: Word Unscramble* | 12. Project: Applying Spelling Words in Sentences* |
| | 5. Project: Missing Vowels* | 13. Project: Poetry Writing with Spelling Words* |
| | 6. Context and Meaning of Words | 14. Unit Test |
| | 7. Project: Alliterations* | 15. Glossary and Credits |
| | 8. Project: Spelling Word Synonyms* | |
| Unit 3: Multisyllabic Words That Use the Phonogram ei | | |
| Spelling 500 | Assignments | |
| | 1. Introduction to Spelling List | 9. Project: Spelling in the News* |
| | 2. Sorting Words | 10. Writing About Your Best Friend |
| | 3. Project: Secret Code* | 11. Project: Image Writing Prompt* |
| | 4. Project: Adding Spelling Words* | 12. Project: Applying Spelling Words in Dialogue* |
| | 5. Project: Alphabetical Order* | 13. Project: Letter Writing with Spelling Words* |
| | 6. Context and Meaning of Words | 14. Unit Test |
| | 7. Project: Word Clues* | 15. Glossary and Credits |
| | 8. Project: Misspelled Words in Sentences* | |

| Unit 4: Multisyllabic Words That Use the Phonogram dge | | |
|--|---|---|
| Spelling 500 | Assignments | |
| | 1. Introduction to Spelling List 2. Choose the Correct Word 3. Project: Examining Words* 4. Project: Missing Vowels* 5. Project: Alphabetical Order* 6. Context and Meaning of Words 7. Project: Spelling Word Riddles* 8. Project: Using Spelling Words in Sentences* | 9. Project: Silly Sentences* 10. Writing About Your New Home 11. Project: Image Writing Prompt* 12. Project: Applying Spelling Words in Advertisements* 13. Project: Alien Letter Writing* 14. Unit Test 15. Glossary and Credits |

| Unit 5: Multisyllabic Words That Use -ant and -ent | | |
|--|--|--|
| Spelling 500 | Assignments | |
| | 1. Introduction to Spelling List 2. Spelling Word Syllables 3. Project: Misspelled Words* 4. Project: Word Waterfall* 5. Project: Missing Word Endings* 6. Context and Meaning of Words 7. Project: Spelling Word Clues* 8. Project: Examples and Non-Examples* | 9. Project: What Does it Mean?* 10. Student Selfies 11. Project: Dear Principal* 12. Project: Spelling in the News* 13. Project: Some People May Say* 14. Unit Test 15. Glossary and Credits |

| Unit 6: Multisyllabic Words That Use -ment | | |
|--|--|--|
| Spelling 500 | Assignments | |
| | 1. Introduction to Spelling List 2. Spelling Word Syllables 3. Project: Alphabetical Order* 4. Project: Creative Letters* 5. Project: Number Code* 6. Context and Meaning of Words 7. Project: Spelling Word Antonyms* 8. Project: Spelling Word Story* | 9. Project: Spelling Word Analogies* 10. Postcard 11. Project: I Thought I Could Not, But...* 12. Project: Blogging* 13. Project: You Are Hired!* 14. Unit Test 15. Glossary and Credits |

| Unit 7: Multisyllabic Words That Use -ance | | |
|--|--|---|
| Spelling 500 | Assignments | |
| | 1. Introduction to Spelling List 2. Spelling Word Syllables 3. Project: Consonant Clues* 4. Project: Choose the Correct Word* 5. Project: Typing Time* 6. Context and Meaning of Words 7. Project: Copyediting Practice* 8. Project: Which Word Is Best?* | 9. Project: Word Art* 10. #Spelling 11. Project: I Am...* 12. Project: Spelling Words In Dialogue* 13. Project: Email* 14. Unit Test 15. Glossary and Credits |

| Unit 8: Review List | | |
|---------------------|----------------------------------|-------------------------------|
| Spelling 500 | Assignments | |
| | 1. Introduction to Spelling List | 9. Project: Misspelled Words* |
| | 2. Word Sorts | 10. Character Sketch |
| | 3. Project: Sound Sorts* | 11. Project: Book Cover* |
| | 4. Project: Secret Code* | 12. Project: Story Frame* |
| | 5. Project: Missing Letters* | 13. Project: My Story* |
| | 6. Context and Meaning of Words | 14. Unit Test |
| | 7. Project: My Dictionary* | 15. Glossary and Credits |
| | 8. Project: Acrostic Poems* | |

| Unit 9: Words Using -ou | | |
|-------------------------|---------------------------------------|--|
| Spelling 500 | Assignments | |
| | 1. Introduction to Spelling List | 9. Project: Examples and Non-Examples* |
| | 2. Sound Sort | 10. My Favorites |
| | 3. Project: ZYX Order* | 11. Project: How-To* |
| | 4. Project: Climbing a Word Mountain* | 12. Project: 3-2-1* |
| | 5. Project: Misspelled Words* | 13. Project: Dear Me* |
| | 6. Context and Meaning of Words | 14. Unit Test |
| | 7. Project: Quick Draw* | 15. Glossary and Credits |
| | 8. Project: Spelling Word Story* | |

| Unit 10: Words Using -ous | | |
|---------------------------|---|---------------------------------------|
| Spelling 500 | Assignments | |
| | 1. Introduction to Spelling List | 9. Project: Venn Diagram* |
| | 2. Noun + Suffix = Adjective | 10. Five Finger Retell |
| | 3. Project: Vowels Versus Consonants* | 11. Project: My Superpower* |
| | 4. Project: Buddy Words* | 12. Project: Five Senses Description* |
| | 5. Project: Scrambled Words* | 13. Project: iPretendtext* |
| | 6. Context and Meaning of Words | 14. Unit Test |
| | 7. Project: Adjective Identifier* | 15. Glossary and Credits |
| | 8. Project: Plain Versus Spicy Sentences* | |

| Unit 11: Words Ending In -able/-ible | | |
|--------------------------------------|--------------------------------------|---|
| Spelling 500 | Assignments | |
| | 1. Introduction to Spelling List | 9. Project: Word to Text Connections* |
| | 2. Root Word Versus Base Word | 10. Create Analogies |
| | 3. Project: Creative Letters* | 11. Project: My Least Favorite* |
| | 4. Project: Missing Word Endings* | 12. Project: I Can't Imagine Life Without...* |
| | 5. Project: Margin Words* | 13. Project: Foldable* |
| | 6. Context and Meaning of Words | 14. Unit Test |
| | 7. Project: Context Clues* | 15. Glossary and Credits |
| | 8. Project: Spelling Word Analogies* | |

| Unit 12: Words Ending In -ful | | |
|---|--|--|
| Spelling 500 | Assignments | |
| | 1. Introduction to Spelling List | 9. Project: Spelling Word Riddles* |
| | 2. Missing Vowels | 10. Comic Strip Spelling |
| | 3. Project: Forward/Reverse* | 11. Project: If I Had a Million Dollars... * |
| | 4. Project: Spelling Word Syllables* | 12. Project: Email* |
| | 5. Project: Scrambled Words in a Sentence* | 13. Project: I Am Not...* |
| | 6. Context and Meaning of Words | 14. Unit Test |
| | 7. Project: Definition Sort* | 15. Glossary and Credits |
| | 8. Project: Spelling Word Synonyms* | |
| Unit 13: Base Words with the Affix un- | | |
| Spelling 500 | Assignments | |
| | 1. Introduction to Spelling List | 9. Project: Spelling Word Acrostic Poems* |
| | 2. Misspelled Words | 10. I Thought I Couldn't... |
| | 3. Project: Vowels and Consonants* | 11. Project: Mnemonic Device* |
| | 4. Project: Buddy Words* | 12. Project: Awesome Alliterations* |
| | 5. Project: Creative Colors* | 13. Project: Write Your Own Fable* |
| | 6. Context and Meaning of Words | 14. Unit Test |
| | 7. Project: Antonyms* | 15. Glossary and Credits |
| | 8. Project: Spelling Word Story* | |
| Unit 14: Base Words with the Affix dis- | | |
| Spelling 500 | Assignments | |
| | 1. Introduction to Spelling List | 9. Project: Spelling Word Sentences* |
| | 2. Base Words | 10. Exciting Endings! |
| | 3. Project: Scrambled Words* | 11. Project: Free Day!* |
| | 4. Project: Spelling Word Syllables* | 12. Project: When I Am an Adult...* |
| | 5. Project: Misspelled Words* | 13. Project: Image Writing* |
| | 6. Context and Meaning of Words | 14. Unit Test |
| | 7. Project: Analogies* | 15. Glossary and Credits |
| | 8. Project: What Does it Mean?* | |
| Unit 15: Base Words with the Affix mid- | | |
| Spelling 500 | Assignments | |
| | 1. Introduction to Spelling List | 9. Project: Spelling Word Sentences* |
| | 2. Base Words | 10. Spelling Story |
| | 3. Project: Creative Letters* | 11. Project: I am...* |
| | 4. Project: Partial Words* | 12. Project: Make Your Own Word Clues* |
| | 5. Project: Alphabetical Order Using Word Endings* | 13. Project: Ongoing Sentences* |
| | 6. Context and Meaning of Words | 14. Unit Test |
| | 7. Project: Word Clues* | 15. Glossary and Credits |
| | 8. Project: Looks Like/Sounds Like* | |

| Unit 16: Review List | | |
|-------------------------|--|---|
| Spelling 500 | Assignments | |
| | 1. Introduction to Spelling List | 9. Project: Misspelled Words* |
| | 2. Word Sorts | 10. Spelling Blog |
| | 3. Project: Prefix/Suffix Sorts* | 11. Project: Book Jacket* |
| | 4. Project: Secret Code* | 12. Project: Comic Strip* |
| | 5. Project: Missing Letters* | 13. Project: My Story* |
| | 6. Context and Meaning of Words | 14. Unit Test |
| | 7. Project: My Dictionary* | 15. Glossary and Credits |
| | 8. Project: Cinquain Poems* | |
| Unit 17: Compound Words | | |
| Spelling 500 | Assignments | |
| | 1. Introduction to Spelling List | 9. Project: Copyediting* |
| | 2. Exploring Spelling Words | 10. Whodunit? |
| | 3. Project: Word Math* | 11. Project: Spelling Words in a Collage* |
| | 4. Project: Forming Compound Words From Sentences* | 12. Project: Historic Email* |
| | 5. Project: Compound Words Magic Square* | 13. Project: Hidden Word Sentences* |
| | 6. Context and Meaning of Words | 14. Unit Test |
| | 7. Project: Guess Which Word* | 15. Glossary and Credits |
| | 8. Project: Compound Word Illustrations* | |
| Unit 18: Homophones | | |
| Spelling 500 | Assignments | |
| | 1. Introduction to Spelling List | 9. Project: Definition Mix-Up* |
| | 2. Homophone Pictures | 10. Homophones and Spell Check |
| | 3. Project: Longest to Shortest* | 11. Project: Class Pet Catastrophe!* |
| | 4. Project: Buddy Words* | 12. Project: Showing Emotions and Feelings* |
| | 5. Project: Vowels and Consonants* | 13. Project: Dialogue Writing Prompt* |
| | 6. Context and Meaning of Words | 14. Unit Test |
| | 7. Project: Spelling Word Sentences* | 15. Glossary and Credits |
| | 8. Project: What's Wrong?* | |
| Unit 19: Silent Letters | | |
| Spelling 500 | Assignments | |
| | 1. Introduction to Spelling List | 9. Project: Create a Semantic Map* |
| | 2. Silent Letter Identification | 10. Abstract Thoughts |
| | 3. Project: Alphabetical Order* | 11. Project: Create a New Planet* |
| | 4. Project: Partial Words* | 12. Project: Sentence String* |
| | 5. Project: Number Code* | 13. Project: Spelling Word Scavenger Hunt* |
| | 6. Context and Meaning of Words | 14. Unit Test |
| | 7. Project: Analogies* | 15. Glossary and Credits |
| | 8. Project: Context Clue Sentences* | |

| Unit 20: Words Ending In -ship | | |
|--------------------------------|--------------------------------------|--|
| Spelling 500 | Assignments | |
| | 1. Introduction to Spelling List | 9. Project: Word Art* |
| | 2. Word Math | 10. The Story of our Words |
| | 3. Project: Syllable Sort* | 11. Project: Acrostic Poem* |
| | 4. Project: Spelling Word Scramble* | 12. Project: Editorial Review* |
| | 5. Project: Word Waterfall* | 13. Project: Design Your Ultimate Bedroom* |
| | 6. Context and Meaning of Words | 14. Unit Test |
| | 7. Project: Venn Diagram* | 15. Glossary and Credits |
| | 8. Project: Spelling Word Sentences* | |
| Unit 21: Words Ending In -logy | | |
| Spelling 500 | Assignments | |
| | 1. Introduction to Spelling List | 9. Project: Illustrated Examples* |
| | 2. Root Words | 10. The Study of... |
| | 3. Project: Syllable Sort* | 11. Project: Ongoing Sentences* |
| | 4. Project: Missing Vowels* | 12. Project: Writing on the Air* |
| | 5. Project: Word Squares* | 13. Project: Create Your Own Myth* |
| | 6. Context and Meaning of Words | 14. Unit Test |
| | 7. Project: Root Tree* | 15. Glossary and Credits |
| | 8. Project: Spelling Word Sentences* | |
| Unit 22: Words Ending In -less | | |
| Spelling 500 | Assignments | |
| | 1. Introduction to Spelling List | 9. Project: Spelling Word Analogies* |
| | 2. Root/Base Words | 10. Meaningful Quote |
| | 3. Project: Syllable Identification* | 11. Project: Stretch a Sentence* |
| | 4. Project: Creative Letters* | 12. Project: Would you Rather...* |
| | 5. Project: Forward/Reverse* | 13. Project: Image Prompt* |
| | 6. Context and Meaning of Words | 14. Unit Test |
| | 7. Project: Antonyms* | 15. Glossary and Credits |
| | 8. Project: Spelling Word Sentences* | |
| Unit 23: Words Ending In -ant | | |
| Spelling 500 | Assignments | |
| | 1. Introduction to Spelling List | 9. Project: What Does it Mean?* |
| | 2. Root Words | 10. What Makes Me Smile |
| | 3. Project: Number Code* | 11. Project: Back In Time* |
| | 4. Project: Buddy Words* | 12. Project: Fan Letter* |
| | 5. Project: Scrambled Words* | 13. Project: Image Prompt* |
| | 6. Context and Meaning of Words | 14. Unit Test |
| | 7. Project: Definition Sort* | 15. Glossary and Credits |
| | 8. Project: Word Clues* | |

| Unit 24: Review List | | |
|----------------------|----------------------------------|----------------------------------|
| Spelling 500 | Assignments | |
| | 1. Introduction to Spelling List | 9. Project: Misspelled Words* |
| | 2. Word Sorts | 10. Spelling Blog |
| | 3. Project: Suffix Sorts* | 11. Project: Book Jacket* |
| | 4. Project: Secret Code* | 12. Project: Make Your Own Quiz* |
| | 5. Project: Missing Letters* | 13. Project: Word Connections* |
| | 6. Context and Meaning of Words | 14. Unit Test |
| | 7. Project: My Dictionary* | 15. Glossary and Credits |
| | 8. Project: Cinquain Poems* | |

| Unit 25: Words That Begin with over- | | |
|--------------------------------------|--------------------------------------|----------------------------------|
| Spelling 500 | Assignments | |
| | 1. Introduction to Spelling List | 9. Project: What is Wrong?* |
| | 2. Base or Root Words | 10. Overcoming Being Overwhelmed |
| | 3. Project: Forward/Reverse* | 11. Project: Overjoyed!* |
| | 4. Project: Vowels and Consonants* | 12. Project: Over it!* |
| | 5. Project: Scrambled Words* | 13. Project: Image Prompt* |
| | 6. Context and Meaning of Words | 14. Unit Test |
| | 7. Project: Definition Sort* | 15. Glossary and Credits |
| | 8. Project: I Am Thinking of a Word* | |

| Unit 26: Words That Begin with in- | | |
|------------------------------------|----------------------------------|-------------------------------|
| Spelling 500 | Assignments | |
| | 1. Introduction to Spelling List | 9. Project: Analogies* |
| | 2. Base or Root Words | 10. Character Interview |
| | 3. Project: Misspelled Words* | 11. Project: Invitation* |
| | 4. Project: Creative Letters* | 12. Project: Write to Inform* |
| | 5. Project: Phonetic Words* | 13. Project: Image Prompt* |
| | 6. Context and Meaning of Words | 14. Unit Test |
| | 7. Project: Definition Sort* | 15. Glossary and Credits |
| | 8. Project: Copyediting* | |

| Unit 27: Words That Begin with com- and con- | | |
|--|----------------------------------|-----------------------------------|
| Spelling 500 | Assignments | |
| | 1. Introduction to Spelling List | 9. Project: Context Clues* |
| | 2. Base or Root Words | 10. Acrostic Poems |
| | 3. Project: Word Family Sort* | 11. Project: Ask/Tell Sentences* |
| | 4. Project: Word Math* | 12. Project: Photo Montage* |
| | 5. Project: Scrambled Words* | 13. Project: Spelling Slide Show* |
| | 6. Context and Meaning of Words | 14. Unit Test |
| | 7. Project: Word Family House* | 15. Glossary and Credits |
| | 8. Project: Synonym Sentences* | |

| Unit 28: Words That Use coll- | | |
|---|--|--|
| Spelling 500 | Assignments | |
| | 1. Introduction to Spelling List | 9. Project: Silly Questions* |
| | 2. Syllable Sort | 10. Overnight in... |
| | 3. Project: Vowels Versus Consonants* | 11. Project: Comic Strip Spelling* |
| | 4. Project: How Much is the Word Worth?* | 12. Project: Email to Distant Planet* |
| | 5. Project: Words Within Words* | 13. Project: Text Me* |
| | 6. Context and Meaning of Words | 14. Unit Test |
| | 7. Project: Part of Speech Sort* | 15. Glossary and Credits |
| | 8. Project: Spelling Word Connections* | |
| Unit 29: Words That Begin with the Prefix ad- | | |
| Spelling 500 | Assignments | |
| | 1. Introduction to Spelling List | 9. Project: 3-2-1* |
| | 2. Spelling Syllables | 10. Persuasive Letter |
| | 3. Project: Vowel Circles* | 11. Project: Monday Morning* |
| | 4. Project: Forward/Reverse* | 12. Project: What the World Needs Now* |
| | 5. Project: Spelling Pyramid* | 13. Project: What Emotion is This?* |
| | 6. Context and Meaning of Words | 14. Unit Test |
| | 7. Project: Definition Sort* | 15. Glossary and Credits |
| | 8. Project: Spelling Word Story* | |
| Unit 30: Review List | | |
| Spelling 500 | Assignments | |
| | 1. Introduction to Spelling List | 9. Project: Misspelled Words* |
| | 2. Word Sorts | 10. My Year In Review |
| | 3. Project: Prefix Sorts* | 11. Project: Book Jacket* |
| | 4. Project: Secret Code* | 12. Project: Plain Versus Spicy Sentences* |
| | 5. Project: Missing Letters* | 13. Project: Better Beginnings* |
| | 6. Context and Meaning of Words | 14. Unit Test |
| | 7. Project: My Dictionary* | 15. Glossary and Credits |
| | 8. Project: Cinquain Poems* | |

History and Geography

History and Geography 300

The third grade curriculum is an exploration of the history and geography of the United States. The intent of the course is to give the student an overview of the United States. The student will learn map terminology such as latitude, longitude, and compass rose. These and other geographical terms, along with an overview of the geography of the United States, will help the student discuss and understand the geography of the United States.

Objectives

- Identify and use map terminology including latitude, longitude, and compass rose.
- Compare and contrast regional geography across the United States and how this contributes to weather, resources and recreation in the region.
- Examine and describe key events for each region.
- Examine and describe the contributions of famous people from each region.
- Recognize the basics of how the United States was formed.
- Recognize the basics of the operation of United States government.

| Unit 1: Geography | |
|---------------------------|----------------------------------|
| History and Geography 300 | Assignments |
| 1. | Course Overview |
| 2. | Map Skills |
| 3. | Longitude and Latitude |
| 4. | Cartographers |
| 5. | Project 1: Map Drawing |
| 6. | Quiz 1: Geography |
| 7. | Alternate Quiz 1: Geography* |
| 8. | Resources |
| 9. | Human Resources |
| 10. | Goods and Services |
| 11. | Quiz 2: Resources |
| 12. | Alternate Quiz 2: Resources* |
| | 13. Community |
| | 14. Culture |
| | 15. Community Organization |
| | 16. Project 2: Essay |
| | 17. Quiz 3: Community |
| | 18. Alternate Quiz 3: Community* |
| | 19. Special Project* |
| | 20. Review Activities |
| | 21. Test |
| | 22. Alternate Test* |
| | 23. Glossary and Credits |

| Unit 2: New England States | |
|----------------------------|--|
| History and Geography 300 | Assignments |
| 1. | States in New England |
| 2. | Geography of New England |
| 3. | Weather of New England |
| 4. | Project 1: Map Drawing of New England States |
| 5. | Quiz 1: New England States |
| 6. | Alternate Quiz 1: New England States* |
| 7. | New England Natural Resources |
| 8. | New England Human Resources |
| 9. | Famous People |
| 10. | Products and Services |
| 11. | Project 2: Research |
| 12. | Quiz 2: New England Resources |
| | 13. Alternate Quiz 2: New England Resources* |
| | 14. New England Community and Culture |
| | 15. Education |
| | 16. Recreation |
| | 17. Quiz 3: New England Community |
| | 18. Alternate Quiz 3: New England Community* |
| | 19. Special Project* |
| | 20. Review Activities |
| | 21. Test |
| | 22. Alternate Test* |
| | 23. Glossary and Credits |

| Unit 3: Mid-Atlantic States | | |
|----------------------------------|---|--|
| History and Geography 300 | Assignments | |
| | 1. States in the Mid-Atlantic | 12. Alternate Quiz 2: Mid-Atlantic Resources* |
| | 2. Geography of the Mid-Atlantic | 13. Mid-Atlantic Community |
| | 3. Weather of the Mid-Atlantic | 14. Government |
| | 4. Project 1: Map Drawing of the Mid-Atlantic States | 15. Recreation |
| | 5. Quiz 1: Mid-Atlantic States | 16. Quiz 3: Mid-Atlantic Community |
| | 6. Alternate Quiz 1: Mid-Atlantic States* | 17. Alternate Quiz 3: Mid-Atlantic Community* |
| | 7. Mid-Atlantic Natural Resources | 18. Special Project* |
| | 8. Famous People | 19. Review Activities |
| | 9. Products and Services | 20. Test |
| | 10. Project 2: Research | 21. Alternate Test* |
| | 11. Quiz 2: Mid-Atlantic Resources | 22. Glossary and Credits |
| Unit 4: Southern-Atlantic States | | |
| History and Geography 300 | Assignments | |
| | 1. States in the Southern-Atlantic Region | 11. Quiz 2: Southern-Atlantic Resources |
| | 2. Geography of the Southern-Atlantic States | 12. Alternate Quiz 2: Southern-Atlantic Resources* |
| | 3. Weather of the Southern-Atlantic States | 13. Southern-Atlantic Community |
| | 4. Project 1: Map Drawing of the Southern-Atlantic States | 14. Space Exploration |
| | 5. Quiz 1: Geography of the Southern-Atlantic States | 15. Southern-Atlantic Recreation |
| | 6. Alternate Quiz 1: Geography of the Southern-Atlantic States* | 16. Quiz 3: Southern-Atlantic Community |
| | 7. Southern-Atlantic Resources | 17. Alternate Quiz 3: Southern-Atlantic Community* |
| | 8. Famous People | 18. Special Project* |
| | 9. Products and Services | 19. Review Activities |
| | 10. Project 2: Research | 20. Test |
| | | 21. Alternate Test* |
| | | 22. Glossary and Credits |
| Unit 5: Southern States | | |
| History and Geography 300 | Assignments | |
| | 1. States in the Southern Region | 13. The Civil War |
| | 2. Geography of the Southern States | 14. Music |
| | 3. Weather of the Southern States | 15. Recreation |
| | 4. Project 1: Map Drawing of the Southern States | 16. Project 2: Research |
| | 5. Quiz 1: Geography of the Southern States | 17. Quiz 3: Southern States Community |
| | 6. Alternate Quiz 1: Geography of the Southern States* | 18. Alternate Quiz 3: Southern States Community* |
| | 7. Southern States Resources | 19. Special Project* |
| | 8. Famous People | 20. Review Activities |
| | 9. Products and Industries | 21. Test |
| | 10. Quiz 2: Southern States Resources | 22. Alternate Test* |
| | 11. Alternate Quiz 2: Southern States Resources* | 23. Glossary and Credits |
| | 12. Southern States Community | |

| Unit 6: Great Lake States | | |
|---------------------------|---|--|
| History and Geography 300 | Assignments | |
| | 1. States in the Great Lakes Region | 12. Alternate Quiz 2: Great Lakes Resources* |
| | 2. Geography of the Great Lakes Region | 13. Great Lakes Community |
| | 3. Weather in the Great Lakes region | 14. Invention |
| | 4. Project 1: Map Drawing of the Great Lakes States | 15. Recreation |
| | 5. Quiz 1: Great Lakes States | 16. Quiz 3: Great Lakes Community |
| | 6. Alternate Quiz 1: Great Lakes States* | 17. Alternate Quiz 3: Great Lakes Community* |
| | 7. Great Lakes States Resources | 18. Special Project* |
| | 8. Famous People | 19. Review Activities |
| | 9. Project 2: Research | 20. Test |
| | 10. Products and Services | 21. Alternate Test* |
| | 11. Quiz 2: Great Lakes Resources | 22. Glossary and Credits |
| Unit 7: Midwestern States | | |
| History and Geography 300 | Assignments | |
| | 1. States in the Midwest | 12. Alternate Quiz 2: Midwest Region Resources* |
| | 2. Geography of the Midwest | 13. Midwest Community |
| | 3. Weather in the Midwest | 14. Native Americans |
| | 4. Map Drawing of the Midwest region | 15. Recreation |
| | 5. Quiz 1: Midwest States | 16. Quiz 3: Midwest Community |
| | 6. Alternate Quiz 1: Midwest States* | 17. Alternate Quiz 3: Midwest Community* |
| | 7. Midwest Region Resources | 18. Special Project* |
| | 8. Famous People | 19. Review Activities |
| | 9. Project 2: Research | 20. Test |
| | 10. Products and Services | 21. Alternate Test* |
| | 11. Quiz 2: Midwest Region Resources | 22. Glossary and Credits |
| Unit 8: Mountain States | | |
| History and Geography 300 | Assignments | |
| | 1. States in the Mountain Region | 12. Alternate Quiz 2: Mountain States Resources* |
| | 2. Geography of the Mountain Region | 13. Mountain States Community |
| | 3. Weather in the Mountain Region | 14. Cowboys |
| | 4. Map Drawing of the Mountain Region | 15. Recreation |
| | 5. Quiz 1: The Mountain Region | 16. Quiz 3: Mountain States Community |
| | 6. Alternate Quiz 1: The Mountain Region* | 17. Alternate Quiz 3: Mountain States Community* |
| | 7. Mountain States Resources | 18. Special Project* |
| | 8. Famous People | 19. Review Activities |
| | 9. Project 2: Research | 20. Test |
| | 10. Products and Services | 21. Alternate Test* |
| | 11. Quiz 2: Mountain States Resources | 22. Glossary and Credits |

| Unit 9: Pacific States | | |
|---------------------------|---|---|
| History and Geography 300 | Assignments | |
| | 1. States in the Pacific Region | 12. Alternate Quiz 2: Pacific States Resources* |
| | 2. Geography of the Pacific Region | 13. Pacific States Community |
| | 3. Weather in the Pacific Region | 14. Computers |
| | 4. Project 1: Map Drawing of the Mountain Region | 15. Recreation |
| | 5. Quiz 1: The Pacific Region | 16. Quiz 3: Pacific States Community |
| | 6. Alternate Quiz 1: The Pacific Region* | 17. Alternate Quiz 3: Pacific States Community* |
| | 7. Pacific States Resources | 18. Special Project* |
| | 8. Famous People | 19. Review Activities |
| | 9. Project 2: Research | 20. Test |
| | 10. Products and Services | 21. Alternate Test* |
| | 11. Quiz 2: Pacific States Resources | 22. Glossary and Credits |
| Unit 10: Review | | |
| History and Geography 300 | Assignments | |
| | 1. Geography of the United States | 11. Mountain States Review |
| | 2. Project 1: Map Drawing: Geography of the United States | 12. Pacific States Review |
| | 3. Quiz 1: Geography of the United States | 13. Project 2: Poster Project |
| | 4. Alternate Quiz 1: Geography of the United States* | 14. Quiz 3: Western US States Review |
| | 5. Eastern US States Review | 15. Alternate Quiz 3: Western US States Review* |
| | 6. Southern Atlantic States Review | 16. Special Project* |
| | 7. Southern States Review | 17. Review Activities |
| | 8. Quiz 2: Eastern US States Review | 18. Test |
| | 9. Alternate Quiz 2: Eastern US States Review* | 19. Alternate Test* |
| | 10. Western US States Review | 20. Glossary and Credits |

History and Geography 400

History and Geography 400 focuses on World Geography, describing the surface of the earth and its natural features (biomes). It also teaches about cultural distinctives, placing special emphasis on North American geography and culture. Then, expanding on instruction, it presents a survey of earth and space explorations. These areas of focus target three major content strands: Geography, History, and Social Studies Skills.

Upon completion of the course, students should be able to:

- identify significant explorers, such as Prince Henry, Christopher Columbus, and Ferdinand Magellan, noting their accomplishments
- locate and describe different regions of the world, such as climactic and topographical regions
- understand the world in spatial terms (according to hemispheres and maps)
- locate and describe U.S. regions made up of various groups of states, such as New England and the plains states
- identify cultural and geographic differences between various biomes and countries that are covered in the course

| Unit 1: Our Earth | |
|---------------------------|--|
| History and Geography 400 | Assignments |
| | 1. Course Overview |
| | 2. The Surface of the Earth: Maps |
| | 3. The Surface of the Earth: Oceans |
| | 4. The Surface of the Earth: Continents |
| | 5. The Surface of the Earth: Fresh Water |
| | 6. Quiz 1: The Surface of the Earth |
| | 7. Early Explorations of Our Earth (1) |
| | 8. Essay: Spices* |
| | 9. Early Explorations of Our Earth (2) |
| | 10. Quiz 2: Early Explorations of Our Earth |
| | 11. Recent Explorations of Our Earth (1) |
| | 12. Recent Explorations of Our Earth (2) |
| | 13. Essay: Space Flight |
| | 14. Essay: Space Missions* |
| | 15. Project: Latitude and Longitude* |
| | 16. Quiz 3: Recent Explorations of Our Earth |
| | 17. Special Project* |
| | 18. Test |
| | 19. Alternate Test* |
| | 20. Glossary and Credits |

| Unit 2: Seaport Cities | |
|---------------------------|-------------------------------|
| History and Geography 400 | Assignments |
| | 1. Sydney |
| | 2. Project: Map Activity |
| | 3. Penal Colony |
| | 4. City of Sydney |
| | 5. Essay: Animal Life |
| | 6. Project: Australian Flag* |
| | 7. Quiz 1: Sydney |
| | 8. Hong Kong |
| | 9. Hong Kong Today |
| | 10. Chinese Life |
| | 11. Quiz 2: Hong Kong |
| | 12. Istanbul |
| | 13. Project: Map Activity |
| | 14. Memories of Great Empires |
| | 15. Turkish Life |
| | 16. Quiz 3: Istanbul |
| | 17. London |
| | 18. Project: Map Activity |
| | 19. Project: Name the Parts* |
| | 20. Visiting London |
| | 21. British Life |
| | 22. Project: Map Activity |
| | 23. Quiz 4: London |
| | 24. Special Project* |
| | 25. Test |
| | 26. Alternate Test |
| | 27. Glossary and Credits |

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|---------------------------|---|---|
| History and Geography 400 | Unit 3: Desert Lands | |
| | Assignments | |
| | 1. What is a Desert? | 10. Essay: Write a Story* |
| | 2. Life in the Desert | 11. Modern Ways of Life |
| | 3. Project: Plants and the Desert | 12. Essay: Inventions |
| | 4. Report: Desert Animals | 13. Quiz 3: Desert Living |
| | 5. Quiz 1: Deserts, Plants, and Animals | 14. Special Project* |
| | 6. Where are the Deserts? | 15. Test |
| | 7. Deserts of the Southern Hemisphere | 16. Alternate Test* |
| | 8. Quiz 2: Deserts of the World | 17. Glossary and Credits |
| | 9. How Do People Live in the Desert? | |
| History and Geography 400 | Unit 4: Grasslands | |
| | Assignments | |
| | 1. Grasslands | 11. Quiz 2: Kenya |
| | 2. Breadbasket of Europe | 12. Argentina |
| | 3. Conquered Borderland | 13. Riches Lost |
| | 4. A New, Old Country | 14. Portenos and Gauchos |
| | 5. Quiz 1: Ukraine | 15. Quiz 3: Argentina |
| | 6. Kenya | 16. Special Project* |
| | 7. Kenya's Story | 17. Test |
| | 8. Safari or Shambas | 18. Alternate Test* |
| | 9. Essay: Safari | 19. Glossary and Credits |
| | 10. Changing Kenya | |
| History and Geography 400 | Unit 5: Tropical Rainforests | |
| | Assignments | |
| | 1. Rainforests of the World | 10. The Congo Rainforest |
| | 2. Plants and Animals of the Rainforest | 11. History of the Congo |
| | 3. People and the Rainforest | 12. Report: The Livingstone Story |
| | 4. Report: Rainforest Plants and Animals | 13. People of the Congo Rainforest |
| | 5. Quiz 1: Rainforests of the World | 14. Quiz 3: The Congo Rainforest |
| | 6. The Amazon Rainforest | 15. Special Project* |
| | 7. History of Amazonia | 16. Test |
| | 8. Amerindians of the Amazon | 17. Alternate Test* |
| | 9. Quiz 2: The Amazon Rainforest | 18. Glossary and Credits |
| History and Geography 400 | Unit 6: The Polar Regions | |
| | Assignments | |
| | 1. Polar Regions: Coldest Places in the World | 10. Antarctic Polar Region: Bottom of the World |
| | 2. Ice and Icebergs | 11. The Last Place on Earth |
| | 3. Quiz 1: The Polar Regions | 12. Report: Polar Explorer |
| | 4. Arctic Polar Region: Top of the World | 13. Quiz 3: The Antarctic Polar Region |
| | 5. Arctic Plant and Animal Life | 14. Special Project* |
| | 6. Report: Arctic Animal | 15. Test |
| | 7. Life in the Arctic | 16. Alternate Test* |
| | 8. The Arctic Today | 17. Glossary and Credits |
| | 9. Quiz 2: The Arctic Polar Region | |

| History and Geography 400 | Unit 8: Living In Island Countries | |
|---------------------------|------------------------------------|-------------------------------------|
| | Assignments | |
| | 1. Islands of the World | 10. Japan |
| | 2. Cuba, Pearl of the Antilles | 11. The Empire of Japan |
| | 3. Cuban History | 12. Japanese Business and Lifestyle |
| | 4. Life in Cuba | 13. Japanese Religion and Art |
| | 5. Quiz 1: Cuba | 14. Quiz 3: Japan |
| | 6. Iceland | 15. Special Project* |
| | 7. Saga of Iceland | 16. Test |
| | 8. Icelandic Life | 17. Alternate Test* |
| 9. Quiz 2: Iceland | 18. Glossary and Credits | |

| Unit 10: Review | |
|--------------------------------------|--|
| Assignments | |
| 1. Europe and the Explorers | 12. Review of South America (Part 2) |
| 2. Exploration | 13. Review of Antarctica |
| 3. Review of Europe | 14. Quiz 3: Southern Continents |
| 4. Quiz 1: Europe and the Explorers | 15. North America |
| 5. Review of Asia (Part 1) | 16. Regions of the United States |
| 6. Review of Asia (Part 2) | 17. The North Polar Region |
| 7. Review of Africa | 18. Quiz 4: North America and the North Polar Region |
| 8. Quiz 2: Asia and Africa | 19. Special Project |
| 9. Southern Continents: Australia | 20. Test |
| 10. Project: Investigate the Mystery | 21. Alternate Test |
| 11. Review of South America (Part 1) | 22. Glossary and Credits |

History and Geography 500 focuses on two major areas, American History and Geography. The course covers American History from early exploration through the Reconstruction, with special emphasis given to inventions and technology of the 19th and early 20th centuries, and geography of the Americas, with special emphasis on Mexico,

Canada, and U.S. regional geography. These areas of focus target four major content strands: History, Geography, Government and Citizenship, and Social Studies Skills.

Objectives:

- Identify significant explorers, such as Christopher Columbus, Francisco Coronado, Sir Francis Drake, Ferdinand Magellan, and Samuel de Champlain, noting their accomplishments.
- Understand how conflict between the American colonies and Great Britain led to American independence.
- Understand political and social changes that occurred in the United States during the 19th century, including changes resulting from the Industrial Revolution, and explain how these changes led to conflict among sections of the United States.
- Describe the causes and effects of the Civil War and its aftermath.
- Apply geographic tools, including maps, legends, and symbols.
- Locate and describe U.S. regions made up of various groups of states, such as New England and the Great Plains.

Additionally, students will gain practice in report-writing and story-writing, covering topics like proverbs, the Pledge of Allegiance, frontier life, and inventions.

| Unit 1: Exploring the New World | | |
|---|---|--|
| History and Geography 500 | Assignments | |
| | 1. Course Overview | 11. Early Settlements |
| | 2. Exploration Tools | 12. New England Colonies |
| | 3. Maps | 13. Middle Colonies |
| | 4. Quiz 1: Exploration Tools | 14. Southern Colonies |
| | 5. Viking and Portuguese Explorers | 15. Project: Mapping* |
| | 6. Spanish Explorers | 16. Quiz 3: Thirteen Colonies |
| | 7. English Explorers | 17. Special Project* |
| | 8. French Explorers | 18. Test |
| | 9. Dutch Explorers | 19. Alternate Test* |
| | 10. Quiz 2: European Explorers | 20. Glossary and Credits |
| Unit 2: Colonial American Life | | |
| History and Geography 500 | Assignments | |
| | 1. Life in New England Colonies | 11. Quiz 2: Life in the Middle Colonies |
| | 2. Project: Family Tree* | 12. Life in the Southern Colonies |
| | 3. New England Clothing and Schools | 13. Southern Activities |
| | 4. New England Crafts | 14. Essay: Historical Accuracy* |
| | 5. New England Activities | 15. Quiz 3: Life in the Southern Colonies* |
| | 6. Quiz 1: Life in the New England Colonies | 16. Special Project* |
| | 7. Life in the Middle Colonies | 17. Test |
| | 8. Benjamin Franklin: A Successful Man | 18. Alternate Test* |
| | 9. Benjamin Franklin: A Good Citizen | 19. Glossary and Credits |
| | 10. Essay: Franklin Proverbs* | |
| Unit 3: Thirteen Colonies Become a New Nation | | |
| History and Geography 500 | Assignments | |
| | 1. A Search for Freedom | 11. Quiz 3: A New Nation |
| | 2. Problems with England | 12. Democracy |
| | 3. Quiz 1: A Search for Freedom | 13. Project: Pledge of Allegiance |
| | 4. War of Independence | 14. Report: Government Leaders* |
| | 5. Independence Declared | 15. Quiz 4: Democracy |
| | 6. A Turning Point Reached | 16. Special Project* |
| | 7. Essay: Revolutionary War* | 17. Test |
| | 8. Quiz 2: War of Independence | 18. Alternate Test* |
| | 9. Victory Declared | 19. Glossary and Credits |
| | 10. A New Nation | |

| Unit 4: New Lands and Troubled Times | | |
|--|---|--|
| History and Geography 500 | Assignments | |
| | 1. The Louisiana Purchase | 12. Project: Living on the Frontier |
| | 2. Project: Colonies Map* | 13. Quiz 2: Life on the Frontier |
| | 3. The War of 1812 | 14. Problems Between the North and the South |
| | 4. Project: Star Spangled Banner* | 15. A Great Nation Divided by War |
| | 5. Expansion from Sea to Sea | 16. The Aftermath of the Civil War |
| | 6. Project: Map of the United States* | 17. Report: Colonial Perspective* |
| | 7. Project: America the Beautiful* | 18. Quiz 3: A Great Nation Divided by War |
| | 8. Essay: Current Event* | 19. Special Project* |
| | 9. Quiz 1: Expansion from Sea to Sea | 20. Test |
| | 10. New England, Middle and Southern Colonies | 21. Alternate Test* |
| | 11. Life on the Frontier | 22. Glossary and Credits |
| Unit 5: The United States Becomes a World Leader | | |
| History and Geography 500 | Assignments | |
| | 1. Inventions and New Ideas | 9. Immigration and Urbanization |
| | 2. Development of Power | 10. Essay: Biography |
| | 3. Modern Explorations | 11. Essay: Government Money* |
| | 4. Essay: Conservation* | 12. Quiz 3: Immigration and Urbanization |
| | 5. Quiz 1: Inventions and New Ideas | 13. Special Project* |
| | 6. Industrialization | 14. Test |
| | 7. Power Struggles | 15. Alternate Test* |
| | 8. Quiz 2: Industrialization | 16. Glossary and Credits |

| Unit 6: United By Transportation and Communication | | |
|---|--|--|
| History and Geography 500 | Assignments | |
| | 1. Progress of Transportation in Early America | 12. Printed and Postal Communication |
| | 2. Land Transportation | 13. Electronic Communication |
| | 3. Water Transportation | 14. Essay: Skit* |
| | 4. Quiz 1: The Progress of Transportation in Early America | 15. Modern Communication and the Government |
| | 5. Essay: Family Travel* | 16. Essay: Inventions |
| | 6. Steamboat and Rail Transportation | 17. Quiz 3: The Progress of Communication in the United States |
| | 7. Essay: Tom Thumb* | 18. Special Project* |
| | 8. Progress of Transportation After 1800 | 19. Test |
| | 9. Air Transportation | 20. Alternate Test* |
| | 10. Quiz 2: The Progress of Transportation After 1800 | 21. Glossary and Credits |
| | 11. Progress of Communication in America | |
| Unit 7: The United States- One Nation with Many Regions | | |
| History and Geography 500 | Assignments | |
| | 1. The New England States | 11. Quiz 2: The Midwest and West |
| | 2. The Middle Atlantic States | 12. Alaska |
| | 3. The Southern States | 13. Hawaii and U.S. Island Possessions |
| | 4. Report: State | 14. Quiz 3: Alaska, Hawaii, and U.S. Island Possessions |
| | 5. Quiz 1: the Northeast and South | 15. Special Project* |
| | 6. The Midwestern States (Part 1) | 16. Test |
| | 7. The Midwestern States (Part 2) | 17. Alternate Test* |
| | 8. Report: Captain's Diary* | 18. Glossary and Credits |
| | 9. Project: Atlas Work* | |
| | 10. The Western States | |
| Unit 8: Our Southern Neighbors | | |
| History and Geography 500 | Assignments | |
| | 1. Mexico: Contrasts in Geography | 9. Central America: Contrasts in Daily Life |
| | 2. Mexico: Contrasts in Cultures | 10. Quiz 2: Central America: Region of Contrasts |
| | 3. Mexico: Contrasts in Daily Life | 11. Caribbean Islands |
| | 4. Quiz 1: Mexico: Country of Contrasts | 12. Quiz 3: Caribbean Islands |
| | 5. Essay: Spanish and Native American Influence* | 13. Special Project* |
| | 6. Central America: Contrasts in Geography | 14. Test |
| | 7. Essay: Continental Divide | 15. Alternate Test* |
| | 8. Central America: Contrasts in Culture | 16. Glossary and Credits |
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| Unit 9: Canada: Our Northern Neighbor | | |
|---------------------------------------|---|---|
| History and Geography 500 | Assignments | |
| | 1. Giant of the North | 11. Spirit of Friendship |
| | 2. Mosaic of People | 12. Essay: Hudson Bay Company |
| | 3. Essay: Inuits* | 13. System of Government and Challenge of Unity |
| | 4. Searchers of Gold, Glory, and Spices | 14. Provinces of Canada |
| | 5. Essay: Explorers Play* | 15. Quiz 3: Modern Nation and Close Friend |
| | 6. Quiz 1: Geography, People, and Early Exploration | 16. Special Project* |
| | 7. Glory of New France | 17. Test |
| | 8. A Century of Trial | 18. Alternate Test* |
| | 9. Canadian Confederation | 19. Glossary and Credits |
| | 10. Quiz 2: Colonies: French and British | |
| Unit 10: Review | | |
| History and Geography 500 | Assignments | |
| | 1. European Countries and Explorers | 11. Quiz 3: The United States - A Great Nation and World Leader |
| | 2. New World Colonies (Part 1) | 12. Mexico |
| | 3. New World Colonies (Part 2) | 13. Central America, Caribbean Islands, Canada |
| | 4. Quiz 1: Exploring and Colonizing the New World | 14. Essay: American's Creed* |
| | 5. War for Independence | 15. Quiz 4: Neighboring Nations |
| | 6. Expansion and More War | 16. Special Project* |
| | 7. Quiz 2: The United States From Colony to Nation | 17. Test |
| | 8. Industrialization, Immigration, Urbanization | 18. Alternate Test* |
| | 9. Communication and World Leadership | 19. Glossary and Credits |
| | 10. The United States | |

Mathematics

Mathematics 300

Math 300 is a full-year elementary math course focusing on number skills and numerical literacy. In it, students will gain solid experience with number theory and operations, learning how to apply these in measurement situations. This course also integrates geometric concepts and skills throughout the units, as well as introducing students to statistical concepts.

By the end of the course, students will be expected to do the following:

- Understand place value and know how to compare and order numbers.
- Perform addition and subtraction, carrying and borrowing on whole numbers.
- Know basic multiplication facts.
- Understand representations in fraction and mixed number forms.
- Understand concepts of likelihood and basic probability.
- Understand concepts of shape, symmetry, and perimeter.
- Understand measurement concepts, including time and temperature.
- Understand representations using decimals and money.

| Unit 1: Whole Numbers | |
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| Assignments | |
| Mathematics 300 | 1. Course Overview |
| | 2. Patterns: Digits and Number Words |
| | 3. Place Value |
| | 4. Single-Digit Addition |
| | 5. Single-Digit Subtraction |
| | 6. Addition Problems |
| | 7. Subtraction Problems |
| | 8. Quiz 1: Addition and Subtraction |
| | 9. Numbers on a Number Line |
| | 10. Pattern for Expanded Notation |
| | 11. Adding Multi-Digit Numbers |
| | 12. Quiz 2: Addition and Subtraction |
| | 13. Subtracting 3-Digit Numbers |
| | 14. Measurement |
| | 15. Operation Symbols |
| | 16. Quiz 3: Number Order |
| | 17. Adding with Carrying |
| | 18. Cardinal and Ordinal Numbers |
| | 19. Standard Measurement for Time |
| | 20. Calendar Time |
| | 21. Quiz 4: Number Operations |
| | 22. Unit Concept Review (1) |
| | 23. Unit Concept Review (2) |
| | 24. Practice: Addition and Subtraction |
| | 25. Quiz 5: Concept Review |
| | 26. Special Project* |
| | 27. Test |
| | 28. Alternate Test* |
| | 29. Glossary and Credits |

| Unit 2: Number Patterns | | |
|-------------------------|---|--|
| Mathematics 300 | Assignments | |
| | 1. Family of Facts | 14. Money |
| | 2. Adding Ones, Tens, and Hundreds | 15. Review: Borrowing |
| | 3. Subtracting Ones, Tens, and Hundreds | 16. Addition: Checking Answers |
| | 4. Quiz 1: Fact Families | 17. Subtraction: Checking Answers |
| | 5. Place Value and Number Words | 18. Quiz 4: Shapes and Money |
| | 6. Addition with Carrying | 19. Review: Number Order and Place Value |
| | 7. Skip Counting and Number Words | 20. Review: Addition and Subtraction Facts |
| | 8. Quiz 2: Place Value | 21. Quiz 5: Review |
| | 9. Skip Counting | 22. Special Project* |
| | 10. Fractions | 23. Test |
| | 11. Subtracting with Borrowing | 24. Alternate Test* |
| | 12. Quiz 3: Fractions | 25. Glossary and Credits |
| | 13. Shapes | |

| Unit 3: Whole Numbers and Fractions | | |
|-------------------------------------|---|--|
| Mathematics 300 | Assignments | |
| | 1. Family of Facts | 14. Money |
| | 2. Adding Ones, Tens, and Hundreds | 15. Review: Borrowing |
| | 3. Subtracting Ones, Tens, and Hundreds | 16. Addition: Checking Answers |
| | 4. Quiz 1: Fact Families | 17. Subtraction: Checking Answers |
| | 5. Place Value and Number Words | 18. Quiz 4: Shapes and Money |
| | 6. Addition with Carrying | 19. Review: Number Order and Place Value |
| | 7. Skip Counting and Number Words | 20. Review: Addition and Subtraction Facts |
| | 8. Quiz 2: Place Value | 21. Quiz 5: Review |
| | 9. Skip Counting | 22. Special Project* |
| | 10. Fractions | 23. Test |
| | 11. Subtracting with Borrowing | 24. Alternate Test* |
| | 12. Quiz 3: Fractions | 25. Glossary and Credits |
| | 13. Shapes | |

| Unit 4: Place Value | | |
|---------------------|---|---|
| Mathematics 300 | Assignments | |
| | 1. Numbers to Thousands Place | 13. Roman Numerals |
| | 2. Addition | 14. Review: Subtraction with Borrowing |
| | 3. Quiz 1: Place Value and Addition | 15. Quiz 4: Adding and Subtracting Fractions and Roman Numerals |
| | 4. Rounding and Estimation | 16. Review: Fractions |
| | 5. Subtraction with Borrowing | 17. Review: Word Problems and Money |
| | 6. Measurement | 18. Quiz 5: Review |
| | 7. Quiz 2: Rounding | 19. Special Project* |
| | 8. Number Words and Place Value | 20. Test |
| | 9. Number Patterns | 21. Alternate Test* |
| | 10. Addition and Subtraction: Horizontal Form | 22. Glossary and Credits |
| | 11. Quiz 3: Place Value | |
| | 12. Adding and Subtracting Fractions | |

| Unit 8: Measurement, Fractions, and Decimals | | |
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| Mathematics 300 | Assignments | |
| | 1. Shapes, Measurement, and Addition | 11. Multiplication Facts |
| | 2. Time and Measurement | 12. Multiple Concept Practice |
| | 3. Quiz 1: Shapes, Time, and Measurements | 13. Review: Addition With Checking |
| | 4. Fractions | 14. Quiz 4: Multiplication Facts; Review |
| | 5. Decimals | 15. Word Problems |
| | 6. Money Problems | 16. Using Graphs |
| | 7. Quiz 2: Fractions, Decimals, and Money | 17. Quiz 5: Word Problems and Graphs |
| | 8. Expanded Notation and Mixed Numbers | 18. Special Project* |
| | 9. Directions and Picture Graphs | 19. Test |
| | 10. Quiz 3: Expanded Notation, Mixed Numbers, and Directions | 20. Alternate Test* |
| | | 21. Glossary and Credits |
| Unit 9: Review: Multiple Concepts | | |
| Mathematics 300 | Assignments | |
| | 1. How Numbers Work | 13. Quiz 3: Measurements |
| | 2. Math Facts | 14. Symmetry and Shapes |
| | 3. Add/Subtract with Checking | 15. Roman Numerals |
| | 4. Multiplication | 16. Quiz 4: Symmetry, Shapes, and Roman Numerals |
| | 5. Quiz 1: Numbers and Math Facts | 17. Likelihood and Graphs |
| | 6. Equivalent Fractions | 18. Problem Solving |
| | 7. Reading and Writing Fractions | 19. Quiz 5: Likelihood, Graphs, and Problem Solving |
| | 8. Fraction Computation | 20. Special Project* |
| | 9. Quiz 2: Fractions and Mixed Numbers | 21. Test |
| | 10. Measure: Length, Perimeter, and Area | 22. Alternate Test* |
| | 11. Measure: Money, Time, and Temperature | 23. Glossary and Credits |
| | 12. Measure: Weight and Volume | |
| Unit 10: Basic Math Review | | |
| Mathematics 300 | Assignments | |
| | 1. Review: Rounding and Estimation | 14. Review: Roman Numerals |
| | 2. Review: Adding Fractions | 15. Review: Measurement |
| | 3. Review: Subtracting Fractions | 16. Quiz 4: Shapes, Roman Numerals, and Measurements |
| | 4. Review: Multiplication Facts | 17. Review: Number Symbols and Grouping |
| | 5. Quiz 1: Rounding, Fractions, and Multiplication | 18. Review: Perimeter and Area |
| | 6. Review: Mental Math, Graphs, Likelihood | 19. Review: Problem Solving |
| | 7. Review: Addition and Subtraction Computation | 20. Quiz 5: Symbols, Perimeter and Area, and Problem Solving |
| | 8. Quiz 2: Mental Math, Graphs, and Probability | 21. Special Project* |
| | 9. Review: Fractions and Decimals | 22. Test |
| | 10. Review: Add and Subtract Mixed Numbers and Fractions | 23. Alternate Test* |
| | 11. Review: Finding Missing Numbers | 24. Glossary and Credits |
| | 12. Quiz 3: Fractions and Missing Numbers | |
| | 13. Review: Shapes and Symmetry | |

Mathematics 400

Math 400 is a full-year elementary math course focusing on number skills and mathematical literacy. In it, students will gain solid experience with number theory and operations, including decimals and fractions. This course also integrates geometric concepts and skills throughout the units, teaches measurement skills, and introduces students to statistical concepts.

Within the course, students will be taught the following:

Number Sense and Place Value

- Averages and number rules
- Cardinal and ordinal numbers
- Decimals
- Factors
- Learn numbers to 100,000
- Multiplication facts
- Multiples
- Number patterns
- Place value to 10,000
- Prime and composite numbers
- Reading and writing fractions
- Relation symbols
- Single digit and multi digit operations
- Time and money review
- Word problems

Rounding and Estimation

- Estimating answers to 1,000s
- Expanded notation and estimation
- Rounding answers to 100s
- Rounding numbers to 1,000s

Whole Numbers and Fractions

- Add and subtract to 10,000
- Equations
- Equivalent fractions and decimals
- Fractions equal to whole numbers

- Multi digit operations with carrying
- Missing number problems
- Proper and improper fractions
- Word problem strategies
-

Geometry

- Angles in shapes
- Angles in circles
- Area
- Capacity
- Coordinate pairs
- Directions and maps
- Lines and angles
- Measurement
- Plain and solid shapes
- Perimeter
- The Metric System
-

Financial Literacy

- Money
- Money management

Data and Graphing

- Collecting data
- Data collection and random sampling
- Graphing
- Predicting data

| Unit 1: Number Sense and Place Value | | |
|--------------------------------------|---|--|
| Mathematics 400 | Assignments | |
| | 1. Course Overview | 15. Cardinal and Ordinal Numbers |
| | 2. Place Value to 1,000's (1) | 16. Quiz 3: Number Order and Patterns |
| | 3. Single-Digit Addition | 17. Reading and Writing Fractions |
| | 4. Single-Digit Subtraction | 18. Practice Multiplication |
| | 5. Multi-Digit Addition | 19. Counting Money |
| | 6. Multi-Digit Subtraction | 20. Operations |
| | 7. Place Value to 1,000's (2) | 21. Quiz 4: Fractions, Operations, and Money |
| | 8. Quiz 1: Number Sense and Place Value | 22. Review: Numbers |
| | 9. Multiplication Facts | 23. Story Problems |
| | 10. Family of Facts | 24. Quiz 5: Review |
| | 11. Telling Time | 25. Special Project* |
| | 12. Quiz 2: Fact Families and Time | 26. Test |
| | 13. Number Words | 27. Alternate Test* |
| | 14. Patterns | 28. Glossary and Credits |

| Unit 2: Rounding and Estimation | | |
|---------------------------------|--|---|
| Mathematics 400 | Assignments | |
| | 1. Operations | 15. Quiz 3: Fractions and Rounding; Review |
| | 2. Multiplication Facts: 6-10 and Review | 16. Equivalent Fractions |
| | 3. Using Standard Measures | 17. Rounding Numbers to 100's |
| | 4. Quiz 1: Operations and Measures | 18. Estimating Answers to 100's |
| | 5. Place Value to 10,000's | 19. Review: Computation |
| | 6. Relation Symbols | 20. Quiz 4: Equivalent Fractions and Estimation; Review |
| | 7. Missing Number Equations | 21. Review: Bar Graphs and Fractions |
| | 8. Review: Even and Odd Numbers | 22. Review: Fractions |
| | 9. Quiz 2: Place Value, Relations, and Equations | 23. Quiz 5: Bar Graphs and Fractions; Review |
| | 10. Adding and Subtracting Fractions | 24. Special Project* |
| | 11. Estimating Sums and Differences of Fractions | 25. Test |
| | 12. Rounding Numbers to 10's | 26. Alternate Test* |
| | 13. Estimating Answers to 10's | 27. Glossary and Credits |
| | 14. Review: Math Symbols | |

| Unit 3: Whole Numbers and Fractions | | |
|-------------------------------------|--|--|
| Mathematics 400 | Assignments | |
| | 1. Place Value | 14. Check Your Answers |
| | 2. Rounding Numbers to 10's, 100's, and 1,000's | 15. Quiz 3: Estimation, Relations, and Fractions |
| | 3. Multiply with Carrying to 10's | 16. Equivalent Fractions |
| | 4. Multiplication Practice | 17. Learn Numbers to 100,000's |
| | 5. Quiz 1: Place Value and Multiplication | 18. Equations |
| | 6. Multi-Digit Addition and Subtraction | 19. Quiz 4: Equivalent Fractions and Equations |
| | 7. Rounding and Estimating | 20. Reading and Solving Story Problems |
| | 8. Fractions Equal to Whole Numbers | 21. Using Stem and Leaf Plots to Solve Word Problems |
| | 9. Quiz 2: Addition and Subtraction, Rounding, and Fractions | 22. Line Graphs |
| | 10. Estimate Answers to 1,000's | 23. Quiz 5: Story Problems |
| | 11. Relation Symbols | 24. Special Project* |
| | 12. Fractions | 25. Test |
| | 13. Add and Subtract to 10,000's | 26. Alternate Test* |
| | | 27. Glossary and Credits |
| Unit 4: Lines and Shapes | | |
| Mathematics 400 | Assignments | |
| | 1. Plane and Solid Shapes | 13. Angles in Shapes |
| | 2. Quiz 1: Plane and Solid Shapes | 14. Angles in Circles |
| | 3. Practice Addition and Subtraction | 15. Review: Operation and Relation Symbols |
| | 4. Place Value and Rounding | 16. Quiz 4: Fractions; Review |
| | 5. Multiply with Carrying to 100's | 17. Review: Expanded Notation and Estimation |
| | 6. Quiz 2: Number Sense | 18. Review: Fractions and Place Value |
| | 7. Lines, Segments, Endpoints, Rays, Angles | 19. Quiz 5: Review |
| | 8. Lines, Directions, and Maps | 20. Special Project* |
| | 9. Quiz 3: Lines and Maps | 21. Test |
| | 10. Review: Plane and Solid Shapes | 22. Alternate Test* |
| | 11. Fractions | 23. Glossary and Credits |
| | 12. Missing Number Problems | |
| Unit 5: Division and Measurement | | |
| Mathematics 400 | Assignments | |
| | 1. Introduction to Division | 13. Perimeter and Area (1) |
| | 2. Multiplication | 14. Perimeter and Area (2) |
| | 3. Addition and Subtraction | 15. Quiz 3: Perimeter and Area |
| | 4. Review: Time and Number Sense | 16. Missing Number Problems |
| | 5. Quiz 1: Operations; Review | 17. Division Practice |
| | 6. Linear Measurement | 18. Roman Numerals |
| | 7. Capacity (Dry and Liquid Measurement) | 19. Review: Regrouping |
| | 8. Division Facts | 20. Patterns |
| | 9. Review: Multiplication | 21. Quiz 4: Number Sense and Operations |
| | 10. Quiz 2: Measurements and Division | 22. Special Project* |
| | 11. Reading a Calendar | 23. Test |
| | 12. Using Models to Find the Formulas for Area and Perimeter | 24. Alternate Test* |
| | | 25. Glossary and Credits |

| Unit 6: Multiplication and Fractions | | |
|--------------------------------------|--|--|
| Mathematics 400 | Assignments | |
| | 1. Prime and Composite Numbers | 12. Review: Division and Roman Numerals |
| | 2. Multiples | 13. Review: Rounding and Shapes |
| | 3. Multiplication Facts For 11 and 12 | 14. Quiz 3: Review of Multiple Concepts |
| | 4. Factors and Multiples | 15. Equations and Grouping |
| | 5. Division with Remainders | 16. Problem Solving with Equations |
| | 6. Quiz 1: Multiples, Factors, and Multiplication Facts | 17. Quiz 4: Equations |
| | 7. Proper and Improper Fractions | 18. Special Project* |
| | 8. Fractions and Mixed Numbers | 19. Test |
| | 9. Equivalent Fractions | 20. Alternate Test* |
| | 10. Quiz 2: Fractions and Mixed Numbers | 21. Glossary and Credits |
| | 11. Review: Measurements | |
| Unit 7: Fractions and Patterns | | |
| Mathematics 400 | Assignments | |
| | 1. Multiplication and Division | 11. Review: Cardinal and Ordinal Numbers |
| | 2. Factors, Multiples, and Variables | 12. Review: Rounding Numbers and Place Value |
| | 3. Missing Number Problems | 13. Review: Measurement |
| | 4. Averages and Number Rules | 14. Quiz 3: Review of Multiple Concepts |
| | 5. Quiz 1: Number Sense, Missing Number Problems, and Averages | 15. Review: Shapes, Perimeter, and Area |
| | 6. Fractions (1) | 16. Review: Operations and Money |
| | 7. Fractions (2) | 17. Quiz 4: Review of Multiple Concepts |
| | 8. Review: Multiplication and Fractions | 18. Special Project* |
| | 9. Fractions and Patterns | 19. Test |
| | 10. Quiz 2: Fractions | 20. Alternate Test* |
| | | 21. Glossary and Credits |
| Unit 8: Division and Fractions | | |
| Mathematics 400 | Assignments | |
| | 1. Factoring and Place Value | 12. Review: Time |
| | 2. Division (1) | 13. Review: Multiplication |
| | 3. Division (2) | 14. Review: Operations and Rounding |
| | 4. Quiz 1: Factoring and Division | 15. Review: Roman Numerals, Measurement, and Symbols |
| | 5. Fractions (1) | 16. Quiz 4: Review of Multiple Concepts |
| | 6. Fractions (2) | 17. Special Project* |
| | 7. Fractions (3) | 18. Test |
| | 8. Quiz 2: Fractions | 19. Alternate Test* |
| | 9. Missing Number Problems | 20. Glossary and Credits |
| | 10. The Metric System | |
| | 11. Quiz 3: Missing Number Problems and the Metric System | |

| Unit 9: Decimals and Fractions | | |
|--------------------------------|--|---|
| Mathematics 400 | Assignments | |
| | 1. Decimals | 13. Quiz 2: Fractions and Mixed Numbers |
| | 2. Place Value and Number Comparison with Whole Numbers and Decimals | 14. Multiply and Divide |
| | 3. Equivalent Fractions and Decimals | 15. Multiplication of Whole Numbers |
| | 4. Add and Subtract Decimals | 16. Division and Averages |
| | 5. Computation with Whole Numbers and Decimals | 17. Quiz 3: Multiplication and Division |
| | 6. Money | 18. Estimation |
| | 7. Money Management | 19. Ordered Pairs |
| | 8. Project: Money Management | 20. Multiple Concept Review |
| | 9. Quiz 1: Decimals and Money | 21. Quiz 4: Estimation and Coordinate Pairs; Review |
| | 10. Review: Fractions | 22. Special Project* |
| | 11. Fractions with Unlike Denominators | 23. Test |
| | 12. Mixed Numbers | 24. Alternate Test* |
| | | 25. Glossary and Credits |
| Unit 10: Graphing and Review | | |
| Mathematics 400 | Assignments | |
| | 1. Data Collection and Random Sampling | 10. Review: Fractions |
| | 2. Project: Collecting Data | 11. Quiz 3: Fractions |
| | 3. Project: Predicting and Reporting Data | 12. Shapes |
| | 4. Graphs | 13. Word Problems and Equations |
| | 5. Quiz 1: Data Collection, Random Sampling, and Graphs | 14. Quiz 4: Shapes, Equations, and Word Problems |
| | 6. Whole Numbers | 15. Special Project* |
| | 7. Decimal Numbers | 16. Test |
| | 8. Quiz 2: Operations with Whole and Decimal Numbers | 17. Alternate Test* |
| | 9. Problem Solving with Fractions | 18. Glossary and Credits |

Mathematics 500

Math 500 is a full-year elementary math course focusing on number skills, mathematical literacy, and geometric concepts. Students will gain solid experience with number theory and operations, including whole numbers, decimals, and fractions. In addition, students will develop their understanding of measurement and two- and three- dimensional figures. This course also integrates mathematical practices throughout the units, as well as introducing students to algebraic, statistical, and probability concepts.

In this course, students will be taught the following:

Place Value, Addition, and Subtraction

- Adding and subtracting of decimals and fractions
- Comparing and ordering whole numbers
- Determining rules for number patterns
- Mental math
- Rounding and estimating

Multiplying Whole Numbers and Decimals

- Estimating whole number products
- Multiplying decimals
- Multiplying whole numbers
- Properties of multiplication

Dividing Whole Numbers and Decimals

- Dividing with money
- Dividing whole numbers and decimals
- Estimating quotients
- Interpreting remainders

Algebra and Graphing

- Coordinate plane
- Expressions
- Graphing functions
- Integers
- Numerical patterns in tables and graphs
- Order of operations
- Scatterplots

Measurement

- Capacity
- Density
- Length
- Mass
- Time and temperature
- The Metric System
- Weight

Factors and Fractions

- Comparing fractions and decimals
- Equivalent fractions
- Factors
- Fractions

- Greatest Common Factor/Least Common Multiple
- Improper fractions and mixed numbers
- Prime factorization
- Rounding fractions
- Simplifying fractions

Fraction Operations

- Adding and subtracting fractions
- Adding and subtracting mixed numbers
- Estimating sums and differences
- Multiplying mixed numbers
- Multiplying whole numbers and fractions

Data Analysis and Probability

- Bar/Line Graphs
- Choosing the right graph
- Collecting data and frequency tables
- Line plots
- Listing outcomes
- Making predictions
- Measures of central tendency
- Probability
- Stem-and-Leaf plots

Geometry

- Angles
- Circles
- Geometry terms
- Polygons
- Quadrilaterals
- Making predictions
- Similar and congruent figures
- Solid figures
- Symmetry
- Transformations
- Triangles

Perimeter, Area, and Volume

- Perimeter, Area, and Volume
- Area
- Circumference
- Parallelograms
- Polygons
- Regular polygons

- Squares and rectangles
- Surface area
- Triangles
- Volume

Financial Literacy

- Exploring your finances

| Unit 1: Place Value, Addition, and Subtraction | | |
|--|---|--|
| Assignments | | |
| Mathematics 500 | 1. Course Overview | 16. Adding Decimal Numbers |
| | 2. Whole Number Place Value | 17. Determining Rules to Generate Number Patterns |
| | 3. Comparing and Ordering Whole Numbers | 18. Subtracting Decimal Numbers |
| | 4. Decimal Number Place Value | 19. Exploring Your Finances |
| | 5. Comparing and Ordering Decimal Numbers | 20. Project: Logical Reasoning |
| | 6. Quiz: Place Value | 21. Quiz: Addition and Subtraction |
| | 7. Alternate Quiz - Form A: Place Value* | 22. Alternate Quiz - Form A: Addition and Subtraction* |
| | 8. Alternate Quiz - Form B: Place Value* | 23. Alternate Quiz - Form B: Addition and Subtraction* |
| | 9. Rounding Whole Numbers and Decimals | 24. Special Project* |
| | 10. Estimating Sums and Differences | 25. Review |
| | 11. Add and Subtract Mentally | 26. Test |
| | 12. Quiz: Rounding and Estimating | 27. Alternate Test - Form A* |
| | 13. Alternate Quiz - Form A: Rounding and Estimating* | 28. Alternate Test - Form B* |
| | 14. Alternate Quiz - Form B: Rounding and Estimating* | 29. Glossary and Credits |
| | 15. Adding and Subtracting Whole Numbers | |
| Unit 2: Multiplying Whole Numbers and Decimals | | |
| Assignments | | |
| Mathematics 500 | 1. Estimating Whole Number Products | 14. Estimating Decimal Products |
| | 2. Properties of Multiplication | 15. Multiplying Whole Numbers by Decimals |
| | 3. Multiplying Whole Numbers | 16. Multiplying Decimals by Decimals |
| | 4. Quiz: Multiplying Whole Numbers | 17. Solving Multiplication Problems |
| | 5. Alternate Quiz —Form A: Multiplying Whole Numbers* | 18. Quiz: Multiplying Decimal Numbers |
| | 6. Alternate Quiz —Form B: Multiplying Whole Numbers* | 19. Alternate Quiz —Form A: Multiplying Decimal Numbers* |
| | 7. Exponents | 20. Alternate Quiz —Form B: Multiplying Decimal Numbers* |
| | 8. Multiplying Whole Numbers by Powers of Ten | 21. Special Project* |
| | 9. Project: How Much is a Million | 22. Review |
| | 10. Multiplying Decimals by Powers of Ten | 23. Test |
| | 11. Quiz: Powers | 24. Alternate Test—Form A* |
| | 12. Alternate Quiz —Form A: Powers* | 25. Alternate Test—Form B * |
| | 13. Alternate Quiz —Form B: Powers* | 26. Glossary and Credits |

| Unit 3: Dividing Whole Numbers and Decimals | | |
|---|---|---|
| Assignments | | |
| Mathematics 500 | 1. Understanding Division | 14. Alternate Quiz —Form B: Two-Digit Divisors* |
| | 2. Estimating Quotients | 15. Dividing by Powers of Ten |
| | 3. Dividing Whole Numbers | 16. Dividing Decimals by Whole Numbers |
| | 4. Remainders | 17. Dividing with Money |
| | 5. Quiz: One-Digit Divisors | 18. Quiz : Decimal Division |
| | 6. Alternate Quiz —Form A: One-Digit Divisors* | 19. Alternate Quiz —Form A: Decimal Division* |
| | 7. Alternate Quiz —Form B: One-Digit Divisors* | 20. Alternate Quiz —Form B: Decimal Division* |
| | 8. Dividing by Multiples of Ten | 21. Special Project* |
| | 9. Dividing Whole Numbers I | 22. Review |
| | 10. Dividing Whole Numbers II | 23. Test |
| | 11. Interpreting the Remainder | 24. Alternate Test—Form A* |
| | 12. Quiz: Two-Digit Divisors | 25. Alternate Test—Form B* |
| | 13. Alternate Quiz —Form A: Two-Digit Divisors* | 26. Glossary and Credits |

| Unit 4: Algebra and Graphing | | |
|------------------------------|---|---|
| Assignments | | |
| Mathematics 500 | 1. Addition and Subtraction Expressions | 15. The Coordinate Plane |
| | 2. Multiplication and Division Expressions | 16. Graphing Functions |
| | 3. The Order of Operations | 17. Interpreting Graphs |
| | 4. Quiz: Expressions | 18. Scatterplots |
| | 5. Alternate Quiz —Form A: Expressions* | 19. Numerical Patterns in a Table/Graph |
| | 6. Alternate Quiz —Form B: Expressions* | 20. Integers |
| | 7. Addition and Subtraction Equations | 21. Quiz: Graphing |
| | 8. Multiplication Equations | 22. Alternate Quiz —Form A: Graphing* |
| | 9. Functions | 23. Alternate Quiz —Form B: Graphing* |
| | 10. Numerical Patterns | 24. Special Project* |
| | 11. Project: Patterns | 25. Review |
| | 12. Quiz: Patterns, Functions, and Equations | 26. Test |
| | 13. Alternate Quiz —Form A: Patterns, Functions, and Equations* | 27. Alternate Test—Form A* |
| | 14. Alternate Quiz —Form B: Patterns, Functions, and Equations* | 28. Alternate Test—Form B* |
| | | 29. Glossary and Credits |

| Unit 5: Measurement | | |
|-------------------------------|---|---|
| Mathematics 500 | Assignments | |
| | 1. The Metric System | 14. Alternate Quiz —Form B: The Customary System* |
| | 2. Length | 15. Time |
| | 3. Mass | 16. Elapsed Time |
| | 4. Capacity | 17. Temperature |
| | 5. Quiz: The Metric System | 18. Quiz : Time and Temperature |
| | 6. Alternate Quiz —Form A: The Metric System* | 19. Alternate Quiz —Form A: Time and Temperature* |
| | 7. Alternate Quiz —Form B: The Metric System* | 20. Alternate Quiz —Form B: Time and Temperature* |
| | 8. Length | 21. Special Project* |
| | 9. Weight | 22. Review |
| | 10. Capacity | 23. Test |
| | 11. Project: Density | 24. Alternate Test—Form A* |
| | 12. Quiz: The Customary System | 25. Alternate Test—Form B* |
| | 13. Alternate Quiz —Form A: The Customary System* | 26. Glossary and Credits |
| Unit 6: Factors and Fractions | | |
| Mathematics 500 | Assignments | |
| | 1. Factors | 14. Least Common Multiple |
| | 2. Prime Factorization | 15. Comparing Fractions |
| | 3. Greatest Common Factor | 16. Fractions and Decimals |
| | 4. Quiz: Factors | 17. Rounding Fractions |
| | 5. Alternate Quiz —Form A: Factors* | 18. Quiz: Fractions |
| | 6. Alternate Quiz —Form B: Factors* | 19. Alternate Quiz —Form A: Fractions* |
| | 7. Fractions | 20. Alternate Quiz —Form B: Fractions* |
| | 8. Improper Fractions and Mixed Numbers | 21. Special Project* |
| | 9. Simplifying Fractions | 22. Review |
| | 10. Equivalent Fractions | 23. Test |
| | 11. Quiz: Equivalent Fractions | 24. Alternate Test—Form A* |
| | 12. Alternate Quiz —Form A: Equivalent Fractions* | 25. Alternate Test—Form B* |
| | 13. Alternate Quiz —Form B: Equivalent Fractions* | 26. Glossary and Credits |
| Unit 7: Fraction Operations | | |
| Mathematics 500 | Assignments | |
| | 1. Adding and Subtracting Fractions | 15. Multiplying Fractions |
| | 2. Adding and Subtracting Mixed Numbers | 16. Multiplying Mixed Numbers |
| | 3. Estimating Sums and Differences | 17. Dividing Fractions |
| | 4. Quiz: Like Denominators | 18. Quiz : Multiplying and Dividing Fractions |
| | 5. Alternate Quiz—Form A: Like Denominators* | 19. Alternate Quiz —Form A: Multiplying and Dividing Fractions* |
| | 6. Alternate Quiz —Form B: Like Denominators* | 20. Alternate Quiz —Form B: Multiplying and Dividing Fractions* |
| | 7. Adding Fractions | 21. Special Project* |
| | 8. Subtracting Fractions | 22. Review |
| | 9. Adding Mixed Numbers | 23. Test |
| | 10. Subtracting Mixed Numbers | 24. Alternate Test—Form A* |
| | 11. Quiz: Unlike Denominators | 25. Alternate Test—Form B* |
| | 12. Alternate Quiz —Form A: Unlike Denominators* | 26. Glossary and Credits |
| | 13. Alternate Quiz —Form B: Unlike Denominators* | |
| | 14. Multiplying Whole Numbers and Fractions | |

| Unit 8: Data Analysis and Probability | | |
|---------------------------------------|---|--|
| Mathematics 500 | Assignments | |
| | 1. Collecting Data and Frequency Tables | 13. Alternate Quiz —Form B: Displaying Data* |
| | 2. Measures of Central Tendency | 14. Probability |
| | 3. Line Plots | 15. Probability as a Fraction |
| | 4. Stem-and-Leaf Plots | 16. Listing Outcomes |
| | 5. Quiz: Collecting and Analyzing Data | 17. Making Predictions |
| | 6. Alternate Quiz —Form A: Collecting and Analyzing Data* | 18. Quiz : Probability |
| | 7. Alternate Quiz —Form B: Collecting and Analyzing Data* | 19. Alternate Quiz —Form A: Probability* |
| | 8. Bar Graphs | 20. Alternate Quiz —Form B: Probability* |
| | 9. Line Graphs | 21. Special Project* |
| | 10. Choosing the Right Graph | 22. Review |
| | 11. Quiz: Displaying Data | 23. Test |
| | 12. Alternate Quiz —Form A: Displaying Data* | 24. Alternate Test—Form A* |
| Mathematics 500 | | 25. Alternate Test—Form B* |
| | | 26. Glossary and Credits |

| Unit 9: Geometry | | |
|------------------|--|---|
| Mathematics 500 | Assignments | |
| | 1. Geometry Terms | 14. Similar and Congruent Figures |
| | 2. Angles | 15. Transformations |
| | 3. Circles | 16. Symmetry |
| | 4. Quiz: Geometry | 17. Project: Constructions |
| | 5. Alternate Quiz —Form A: Geometry* | 18. Quiz : Transformations and Symmetry |
| | 6. Alternate Quiz —Form B: Geometry* | 19. Alternate Quiz —Form A: Transformations and Symmetry* |
| | 7. Polygons | 20. Alternate Quiz —Form B: Transformations and Symmetry* |
| | 8. Triangles | 21. Special Project* |
| | 9. Quadrilaterals | 22. Review |
| | 10. Solid Figures | 23. Test |
| | 11. Quiz : Classifying Plane and Solid Figures | 24. Alternate Test—Form A* |
| | 12. Alternate Quiz —Form A: Classifying Plane and Solid Figures* | 25. Alternate Test—Form B* |
| | 13. Alternate Quiz —Form B: Classifying Plane and Solid Figures* | 26. Glossary and Credits |

| Unit 10: Perimeter, Area, and Volume | | |
|--------------------------------------|--|---|
| Mathematics 500 | Assignments | |
| | 1. Polygons | 14. Surface Area |
| | 2. Regular Polygons | 15. Volume |
| | 3. Circumference | 16. Solving Volume Problems |
| | 4. Quiz - Perimeter | 17. Project: Solid Figures |
| | 5. Alternate Quiz - Form A: Perimeter* | 18. Quiz - Solid Figures |
| | 6. Alternate Quiz - Form B: Perimeter* | 19. Alternate Quiz - Form A: Solid Figures* |
| | 7. Area | 20. Alternate Quiz - Form B: Solid Figures* |
| | 8. Squares and Rectangles | 21. Special Project* |
| | 9. Parallelograms | 22. Review |
| | 10. Triangles | 23. Test |
| | 11. Quiz - Area | 24. Alternate Test - Form A* |
| | 12. Alternate Quiz - Form A: Area* | 25. Alternate Test - Form B* |
| | 13. Alternate Quiz - Form B: Area* | 26. Glossary and Credits |
| Unit 11: Course Review and Exam | | |
| Math 500 | Assignments | |
| | 1. Course Review 1 | 4. Alternate Exam - Form A* |
| | 2. Course Review 2 | 5. Alternate Exam - Form B* |
| | 3. Exam | |
| | | |

Science

Science 300

Science 300 is a basic elementary course intended to expose students to the designs and patterns in the physical universe. This course provides a broad survey of the major areas of science. Some of the areas covered in Science 300 include the human body, plants, animals, health and nutrition, matter, sound waves, earth science, and heat energy.

The curriculum seeks to develop the students' ability to understand and participate in scientific inquiry. The units contain experiments and projects to capitalize on children's natural curiosity. The students will explore, observe and manipulate everyday objects and materials in their environment. Collectively, this should help students develop a subject-matter knowledge base.

Upon completion of the course, students should be able to do the following:

- Demonstrate a basic understanding of the systems in a human body.
- Discuss the process a plant goes through in order to grow.
- Explain the difference between types of animals.
- Determine which eating and care habits are the most healthy for students.
- Distinguish between the three phases of matter and describe their properties.
- Explain how sound travels.
- Describe why time and seasons change.
- Discuss how rocks are formed and how they change.
- Explain how heat is produced.

| Unit 1: You Grow and Change | | |
|-----------------------------|-----------------------------------|-----------------------------------|
| Science 300 | Assignments | |
| | 1. Course Overview | 11. Experiment: Taking Your Pulse |
| | 2. Your Body Breathes Air | 12. Project: Bone Numbers |
| | 3. Your Body Needs Oxygen | 13. Quiz 3: Your Body Moves |
| | 4. Experiment: Breathing Patterns | 14. Your Body Thinks |
| | 5. Experiment: Your Lungs | 15. Quiz 4: Your Body Thinks |
| | 6. Quiz 1: Your Body Breathes Air | 16. Special Project |
| | 7. Your Body Digests Food | 17. Test |
| | 8. Experiment: Taste Test | 18. Alternate Test |
| | 9. Quiz 2: Your Body Digests Food | 19. Glossary and Credits |
| | 10. Your Body Moves | |

| Unit 2: Plants | | |
|----------------|---------------------------------|---|
| Science 300 | Assignments | |
| | 1. Plant Parts | 9. Experiment: Watch the Seeds Grow |
| | 2. Project: Root Hairs | 10. Experiment: Plant a Piece of Potato |
| | 3. Experiment: Study a Stem | 11. Experiment: Bean Plant |
| | 4. Quiz 1: Plant Parts | 12. Quiz 3: Plant Changes |
| | 5. Plant Growth | 13. Special Project |
| | 6. Experiment: Grow Some Plants | 14. Test |
| | 7. Quiz 2: Plant Growth | 15. Alternate Test |
| | 8. Plant Changes | 16. Glossary and Credits |
| | | |
| | | |

| Unit 3: Animals | | |
|-----------------|---------------------------|--------------------------|
| Science 300 | Assignments | |
| | 1. Animals are Different | 11. Quiz 2: Animals |
| | 2. Insects and Spiders | 12. Mammals |
| | 3. Project: Metamorphosis | 13. Special Mammals |
| | 4. Fish | 14. Project: Marsupials |
| | 5. Project: Aquarium | 15. Quiz 3: Animals |
| | 6. Quiz 1: Animals | 16. Special Project |
| | 7. Amphibians | 17. Test |
| | 8. Reptiles | 18. Alternate Test |
| | 9. Birds | 19. Glossary and Credits |
| | 10. Project: Vertebrates | |

| Unit 4: Body Health | | |
|---------------------|--|---|
| Science 300 | Assignments | |
| | 1. Healthy Foods | 9. Quiz 2: How to Plan for Healthy Eating |
| | 2. Unhealthy Foods | 10. Healthy Teeth |
| | 3. Quiz 1: Healthy and Unhealthy Foods | 11. Exercise |
| | 4. Plan for Healthy Eating | 12. Quiz 3: A Healthy Body |
| | 5. Project: Breakfast Chart | 13. Special Project |
| | 6. Project: Lunch Chart | 14. Test |
| | 7. Project: Dinner Chart | 15. Alternate Test |
| | 8. Project: Chart Totals | 16. Glossary and Credits |
| | | |
| | | |

| Unit 5: Properties of Matter | | |
|------------------------------|---------------------------------|-----------------------------------|
| Science 300 | Assignments | |
| | 1. Chemistry and Matter | 10. Experiment: Mass |
| | 2. Experiment: Be a Chemist | 11. Experiment: Melting Ice Cubes |
| | 3. Properties of Matter | 12. Chemical Changes |
| | 4. Project: Volume | 13. Quiz 2: Changes in Matter |
| | 5. Experiment: Is Air Matter? | 14. Special Project |
| | 6. Project: Matter | 15. Test |
| | 7. Experiment: Is Water Matter? | 16. Alternate Test |
| | 8. Quiz 1: Matter | 17. Glossary and Credits |
| | 9. Physical Changes | |
| | | |

| Unit 6: Sound | | |
|---------------|-------------------------------|--------------------------------|
| Science 300 | Assignments | |
| | 1. Sounds are Made | 10. Sounds are Heard |
| | 2. Experiment: Vibrations | 11. Experiment: Hearing Sounds |
| | 3. How Does Sound Travel? | 12. Report: How Animals Hear |
| | 4. Properties of Sound | 13. Quiz 2: Sound |
| | 5. Experiment: Sound Patterns | 14. Special Project |
| | 6. Report: Sound | 15. Test |
| | 7. Experiment: Pitch | 16. Alternate Test |
| | 8. Experiment: Loudness | 17. Glossary and Credits |
| | 9. Quiz 1: Sound | |
| | | |

| Unit 7: Time and Seasons | | |
|--------------------------|--------------------------------|------------------------------|
| Science 300 | Assignments | |
| | 1. How the Earth Moves | 8. Report: Months |
| | 2. Experiment: The Earth | 9. Why Seasons Change |
| | 3. Experiment: Night | 10. Quiz 2: Time and Seasons |
| | 4. Experiment: Rotation | 11. Special Project |
| | 5. Quiz 1: How the Earth Moves | 12. Test |
| | 6. Why Time Changes | 13. Alternate Test |
| | 7. Project: Different Times | 14. Glossary and Credits |

| Unit 8: Rocks and Their Change | | |
|--------------------------------|---|--------------------------------|
| Science 300 | Assignments | |
| | 1. Igneous Rocks | 10. Building With Rocks |
| | 2. Volcanoes | 11. Report: Mount Rushmore |
| | 3. Sedimentary Rocks | 12. Enjoying Rocks |
| | 4. Experiment: Limestone | 13. Project: Famous Rocks |
| | 5. Metamorphic Rocks | 14. Quiz 3: How Rocks Are Used |
| | 6. Quiz 1: How Rocks Are Formed | 15. Special Project |
| | 7. Rocks Change: Water and Wind | 16. Test |
| | 8. Rocks Change: Temperature and Plants | 17. Alternate Test |
| | 9. Quiz 2: Rocks Are Changed | 18. Glossary and Credits |

| Unit 9: Heat Energy | | |
|---------------------|---|------------------------------------|
| Science 300 | Assignments | |
| | 1. Heat and Temperature | 10. Experiment: Static Electricity |
| | 2. Movement of Heat Energy | 11. Quiz 2: Heat Energy |
| | 3. Experiment: Water Molecules | 12. Problems with Heat Energy |
| | 4. Experiment: Changing Liquid to a Gas | 13. Quiz 3: Heat Energy |
| | 5. Quiz 1: Heat Energy | 14. Special Project |
| | 6. Friction and Fire | 15. Test |
| | 7. Experiment: Friction | 16. Alternate Test |
| | 8. Experiment: Oxygen and Fire | 17. Glossary and Credits |
| | 9. Electricity and the Sun | |

| Unit 10: Review | | |
|-----------------|-----------------------------|---|
| Science 300 | Assignments | |
| | 1. Your Body | 9. Sounds and Energy |
| | 2. Plants | 10. Experiment: How Sound Travels |
| | 3. Animals | 11. Experiment: Temperature Comparisons |
| | 4. Quiz 1: Review | 12. Quiz 3: Review |
| | 5. Matter and Rocks | 13. Special Project |
| | 6. Project: Rock Collection | 14. Test |
| | 7. Seasons and Times | 15. Alternate Test |
| | 8. Quiz 2: Review | 16. Glossary and Credits |

Science 400

Science 400 is a basic elementary course intended to expose students to the designs and patterns in the physical universe. This course builds on concepts taught in Science 300, providing a broad survey of the major areas of science. Some of the areas covered in Science 400 include the study of plants and animals, ecology, work and simple machines, electricity and magnetism, properties of water and matter, weather, the solar system, and the different spheres of earth.

The curriculum seeks to develop the students' ability to understand and participate in scientific inquiry. The units contain experiments and projects to capitalize on children's natural curiosity. The students will explore, observe, and manipulate everyday objects and materials in their environment. Collectively, this should help students develop and build on their subject-matter knowledge base.

Upon completion of the course, students should be able to do the following:

- Use their main senses for observation of the world around them.
- Describe different uses for plants.
- Discuss the differences among the ways that various animals act.
- Understand how people are responsible for preserving and conserving nature.
- Explain the different types of simple machines.
- Describe an electrical current and how it relates to magnetism.
- Demonstrate an understanding of the properties of water.
- Observe weather and how it affects people.
- Describe our solar system.
- Discuss the three different spheres of the earth and how they interact.
- Explain the changes in seasons and time.

| Unit 1: Plants | |
|----------------|---------------------------------------|
| Assignments | |
| Science 400 | 1. Course Overview |
| | 2. Plant Life |
| | 3. Plants: Food and Shelter |
| | 4. Project: Things Made of Wood |
| | 5. Project: Fruit* |
| | 6. Plant Products |
| | 7. Project: Plant Products* |
| | 8. Quiz 1: Plant Life |
| | 9. Parts of a Plant |
| | 10. Parts of a Plant: Roots and Stems |
| | 11. Experiment: Celery |
| | 12. Parts of a Plant: Leaves |
| | 13. Parts of a Plant: Flowers |
| | 14. Quiz 2: Plant Parts |
| | 15. Special Project* |
| | 16. Test |
| | 17. Alternate Test* |
| | 18. Glossary and Credits |

| Unit 2: Animals | | |
|-----------------|-----------------------------------|------------------------------------|
| Science 400 | Assignments | |
| | 1. Animal Kingdom | 10. Inherited and Learned Traits |
| | 2. Insects and Arachnids | 11. Endangered and Extinct Animals |
| | 3. Project: Insects | 12. Conservation |
| | 4. Worms and Mollusks | 13. Project: Endangered Species |
| | 5. Fish, Amphibians, and Reptiles | 14. Quiz 2: Animals |
| | 6. Project: Reptiles* | 15. Special Project* |
| | 7. Birds and Mammals | 16. Test |
| | 8. Quiz 1: Animals | 17. Alternate Test* |
| | 9. Animal Adaptation | 18. Glossary and Credits |

| Unit 3: The Environment | | |
|-------------------------|-----------------------------------|---|
| Science 400 | Assignments | |
| | 1. Ecology | 15. Project: Terrarium or Diorama* |
| | 2. Project: Your Environment* | 16. Project: Land Community* |
| | 3. Resources | 17. Quiz 2: Water and Land Communities |
| | 4. Ecosystem Communities | 18. Carelessness |
| | 5. Consumers | 19. Project: Endangered Species* |
| | 6. Decomposers | 20. Conservation |
| | 7. Food Chain | 21. Project: How to Save Energy* |
| | 8. Project: Populations* | 22. Preservation |
| | 9. Balance of Nature | 23. Project: Special Treasures* |
| | 10. Project: Balance of Nature* | 24. Quiz 3: Conservation and Preservation |
| | 11. Quiz 1: Ecology | 25. Special Project * |
| | 12. Water Communities | 26. Test |
| | 13. Experiment: Still Water Life* | 27. Alternate Test* |
| | 14. Land Communities | 28. Glossary and Credits |

| Unit 4: Machines | | |
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| Science 400 | Assignments | |
| | 1. Machines: Work | 12. Experiment: Screw and Nail* |
| | 2. Report: Galileo* | 13. Simple Machines: Wheel and Axle |
| | 3. Experiment: Gravity* | 14. Simple Machines: Pulleys |
| | 4. Machines: Energy | 15. Experiment: Pulleys* |
| | 5. Quiz 1: Machines Are Needed | 16. Quiz 2: Simple Machines |
| | 6. Simple Machines: Lever | 17. Compound Machines |
| | 7. Experiment: Hammer and Nail | 18. Quiz 3: Simple and Compound Machines |
| | 8. Experiment: Seesaw* | 19. Special Project* |
| | 9. Simple Machines: Inclined Plane | 20. Test |
| | 10. Experiment: Inclined Plane* | 21. Alternate Test* |
| | 11. Simple Machines: Wedge and Screw | 22. Glossary and Credits |

| Unit 5: Electricity and Magnetism | | |
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| Science 400 | Assignments | |
| | 1. Electricity | 12. Experiment: Use a Magnet |
| | 2. Project: Thomas Edison | 13. Experiment: Make a Magnet |
| | 3. Experiment: Static Electricity | 14. Experiment: Magnetic Poles* |
| | 4. Currents and Circuits | 15. Experiment: Testing a Magnet* |
| | 5. Project: Conductors | 16. Experiment: Generate Electricity* |
| | 6. Experiment: Wet Cell* | 17. Experiment: Electromagnet* |
| | 7. Project: Electric Objects* | 18. Quiz 2: Magnetism |
| | 8. Electrical Use and Safety | 19. Special Project * |
| | 9. Project: Fuses | 20. Test |
| | 10. Quiz 1: Electricity | 21. Alternate Test* |
| | 11. Magnetism | 22. Glossary and Credits |

| Unit 6: Matter and Water | | |
|--------------------------|-----------------------------|----------------------------|
| Science 400 | Assignments | |
| | 1. Water as a Solid | 11. Matter |
| | 2. Experiment: Ice* | 12. Molecules and Atoms |
| | 3. Experiment: Ice Volume | 13. Experiment: Molecules* |
| | 4. Water as a Liquid | 14. Elements |
| | 5. Experiment: Potato* | 15. Quiz 2: Matter |
| | 6. Water as a Gas | 16. Special Project* |
| | 7. Experiment: Forming Dew* | 17. Test |
| | 8. The Water Cycle | 18. Alternate Test* |
| | 9. Experiment: Make a Cloud | 19. Glossary and Credits |
| | 10. Quiz 1: Water | |

| Unit 7: Weather | | |
|-----------------|---------------------------------|----------------------------|
| Science 400 | Assignments | |
| | 1. The Atmosphere | 10. Project: Hurricanes* |
| | 2. Experiment: Air and Space* | 11. Weather Instruments |
| | 3. Temperature | 12. Project: Thermometers* |
| | 4. Experiment: Temperature | 13. Quiz 2: Weather |
| | 5. Air Pressure | 14. Special Project* |
| | 6. Experiment: Air Pressure | 15. Test |
| | 7. Quiz 1: The Atmosphere | 16. Alternate Test* |
| | 8. Thunderstorms and Hurricanes | 17. Glossary and Credits |
| | 9. Tornadoes and Snowstorms | |

| Unit 8: The Universe and Solar System | | |
|---------------------------------------|--|-------------------------------------|
| Science 400 | Assignments | |
| | 1. A Trip Through Space | 11. Our Moon |
| | 2. Astronomy Tools | 12. Project: Moon Phases |
| | 3. Project: Astronomy Tools | 13. Quiz 2: The Sun and Planets |
| | 4. Project: Astronomy* | 14. Stars and Space |
| | 5. Quiz 1: Astronomy | 15. Beyond the Milky Way |
| | 6. The Sun | 16. Quiz 3: The Stars and Space |
| | 7. Project: Sun Myths* | 17. Special Project* |
| | 8. Gravity and Motion | 18. Test |
| | 9. Project: Isaac Newton* | 19. Alternate Test* |
| | 10. Planets and Other Celestial Bodies | 20. Glossary and Credits |
| Unit 9: The Planet Earth | | |
| Science 400 | Assignments | |
| | 1. The Air (Atmosphere) | 10. Experiment: Shadows |
| | 2. Experiment: Condensation | 11. Earth's Land Formations |
| | 3. Gases in the Atmosphere | 12. Earth's Rotation and Revolution |
| | 4. Quiz 1: The Air (Atmosphere) | 13. Quiz 3: The Land (Lithosphere) |
| | 5. The Water (Hydrosphere) | 14. Special Project * |
| | 6. Salt Water | 15. Test |
| | 7. Experiment: Currents* | 16. Alternate Test* |
| | 8. Quiz 2: The Water (Hydrosphere) | 17. Glossary and Credits |
| | 9. The Land (Lithosphere) | |
| Unit 10: Review | | |
| Science 400 | Assignments | |
| | 1. The Solar System | 11. Work and Machines |
| | 2. Plants and Animals | 12. Quiz 3: Review |
| | 3. Quiz 1: Review | 13. The Environment |
| | 4. Matter | 14. Conservation |
| | 5. Water | 15. Project: Passenger Pigeon* |
| | 6. Weather | 16. Quiz 4: Review |
| | 7. Project: Weather Scrapbook* | 17. Special Project* |
| | 8. Quiz 2: Review | 18. Test |
| | 9. Electricity and Magnetism | 19. Alternate Test* |
| | 10. Project: Alessandro Volta* | 20. Glossary and Credits |

Science 500

Science 500 is a basic elementary course intended to expose students to the designs and patterns in the physical universe. This course expands on the Science 300 and Science 400 courses, providing a broad survey of the major areas of science. Some of the areas covered in Science 500 include the study of cells, plants and animals, ecology, energy, geology, properties of matter, and the natural cycles of life.

The curriculum seeks to develop the students' ability to understand and participate in scientific inquiry. The units contain experiments and projects to capitalize on the students' natural curiosity. The students will explore, observe, and manipulate everyday objects and materials in their environment. Students at this level should begin to understand interrelationships between organisms, recognize patterns in ecosystems, and become aware of the cellular dimensions of living systems. Collectively, this should help students develop and build on their subject-matter knowledge base.

Upon completion of the course, students should be able to do the following:

- Use their main senses for observation of the world around them.
- Demonstrate an understanding of cells and their structure, both plant and animal.
- Differentiate between plants, animals, fungi, protozoa, and algae.
- Explain interactions between different life forms.
- Discuss various energy transformations.
- Demonstrate an understanding of fossil types and the formation of fossils.
- Describe the layers of the earth, landforms, and sources of change.
- Understand natural cycles.

| Unit 1: Cells | |
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| Assignments | |
| Science 500 | 1. Course Overview |
| | 2. Living Units |
| | 3. Experiment: The Microscope |
| | 4. Project: Robert Hooke* |
| | 5. General Cell Composition |
| | 6. Quiz 1: Living Units |
| | 7. Structure and Function of Cells: Plants |
| | 8. Experiment: Beans* |
| | 9. Experiment: Onion Cells* |
| | 10. Structure and Function of Cells: Protozoa |
| | 11. Structure and Function of Cells: Animals |
| | 12. Experiment: Pond Water* |
| | 13. Structure and Function of Cells: Tissue |
| | 14. Project: Be Creative* |
| | 15. Project: Explain Cells* |
| | 16. Quiz 2: Structure and Function of Cells |
| | 17. Energy of Cells |
| | 18. Reproduction of Cells |
| | 19. Project: Anton Van Leeuwenhoek* |
| | 20. Experiment: Stems* |
| | 21. Experiment: Cheek Cells* |
| | 22. Quiz 3: Life and Growth of Cells |
| | 23. Special Project* |
| | 24. Test |
| | 25. Alternate Test* |
| | 26. Glossary and Credits |

| Unit 2: Plants: Life Cycles | | |
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| Science 500 | Assignments | |
| | 1. Seed Bearing Plants: Life Stages | 13. Fungi |
| | 2. Seed Bearing Plants: Flowering Plants | 14. Experiment: Mold* |
| | 3. Experiment: Flower Dissection | 15. Project: Uses of Fungi* |
| | 4. Project: Draw Flowers* | 16. Quiz 2: Spore Bearing Plants |
| | 5. Experiment: Seed Dissection* | 17. Algae |
| | 6. Seed Bearing Plants: Cone Bearing Plants | 18. One-celled Fungi: Yeasts |
| | 7. Experiment: Cones* | 19. Quiz 3: One-Celled Fungi |
| | 8. Project: Seed Hunt* | 20. Special Project* |
| | 9. Quiz 1: Seed Bearing Plants | 21. Test |
| | 10. Spore Bearing Plants: Life Stages | 22. Alternate Test* |
| | 11. Spore Bearing Plants: Ferns | 23. Glossary and Credits |
| | 12. Project: Walking Fern* | |
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| Unit 3: Animals: Life Cycles | | |
| Science 500 | Assignments | |
| | 1. Invertebrates: Life Cycles | 12. Egg-Laying Vertebrates (Part 2) |
| | 2. One-celled Organisms | 13. Egg-Laying Vertebrates (Part 3) |
| | 3. Project: Protozoa* | 14. Experiment: Chicken Egg* |
| | 4. Multicellular Invertebrates | 15. Live-Bearing Vertebrates |
| | 5. Experiment: Mealworm* | 16. Project: Mammals* |
| | 6. Project: Spiders* | 17. Quiz 2: Vertebrates |
| | 7. Project: Insect Study* | 18. Special Project* |
| | 8. Worms and Mollusks | 19. Test |
| | 9. Quiz 1: Invertebrates | 20. Alternate Test* |
| | 10. Vertebrates: Life Cycles | 21. Glossary and Credits |
| | 11. Egg-Laying Vertebrates (Part 1) | |
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| Unit 4: The Web of Life | | |
| Science 500 | Assignments | |
| | 1. Balance of Nature: Life Needs | 14. Project: Prairie Birds* |
| | 2. Balance of Nature: Other Cycles | 15. Prairie Food Chains |
| | 3. Project: The Carbon Cycle* | 16. Project: Prairie Food Chain* |
| | 4. Mineral Cycle | 17. Project: Special Environments* |
| | 5. Project: Cycles* | 18. Quiz 2: The Prairie Web of Life |
| | 6. Balance of Nature: Dependence | 19. Humans and the Web of Life (Part 1) |
| | 7. Project: Food Chain* | 20. Humans and the Web of Life (Part 2) |
| | 8. Project: Build a Terrarium* | 21. Quiz 3: Humans and the Web of Life |
| | 9. Project: Terrarium Check* | 22. Special Project* |
| | 10. Quiz 1: The Balance of Nature | 23. Test |
| | 11. Prairie Web of Life (Part 1) | 24. Alternate Test* |
| | 12. Project: Prairie Land* | 25. Glossary and Credits |
| | 13. Prairie Web of Life (Part 2) | |

| Unit 5: Transformation Of Energy | | |
|----------------------------------|------------------------------------|-------------------------------------|
| Science 500 | Assignments | |
| | 1. Energy | 14. Quiz 3: Chemical Energy |
| | 2. Forms of Energy | 15. Energy Concerns |
| | 3. Work | 16. Future Sources (Part 1) |
| | 4. Quiz 1: Energy and Work | 17. Future Sources (Part 2) |
| | 5. Work From Energy | 18. Project: Energy* |
| | 6. Sources of Heat Energy (Part 1) | 19. Experiment: Sunlight* |
| | 7. Experiment: Paperclip* | 20. Project: Survey* |
| | 8. Experiment: Heat Energy* | 21. Quiz 4: Present Energy Concerns |
| | 9. Sources of Heat Energy (Part 2) | 22. Special Project* |
| | 10. Experiment: Chemical Energy* | 23. Test |
| | 11. Quiz 2: Work From Energy | 24. Alternate Test* |
| | 12. Chemical Energy | 25. Glossary and Credits |
| | 13. Energy Change | |

| Unit 6: Physical Geology | | |
|--------------------------|-----------------------------|-----------------------------|
| Science 500 | Assignments | |
| | 1. Earth Structures | 10. Project: Weathering* |
| | 2. Internal Structure | 11. Quiz 2: Earth Changes |
| | 3. Igneous Structures | 12. Plate Tectonics |
| | 4. Project: Volcanoes* | 13. Quiz 3: Plate Tectonics |
| | 5. Mountains | 14. Special Project* |
| | 6. Quiz 1: Earth Structures | 15. Test |
| | 7. Earth Changes | 16. Alternate Test* |
| | 8. Erosion and Sediment | 17. Glossary and Credits |
| | 9. Oceans | |
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| Unit 7: Records in Rock: Fossils | | |
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| Science 500 | Assignments | |
| | 1. Fossil Formation | 13. Reading Fossils: Difficulties |
| | 2. Experiment: Fossils | 14. Project: Fossil Clues* |
| | 3. Experiment: Cast Fossil* | 15. Reading Fossils: Reconstruction |
| | 4. Fossil Formation: More Fossil Types | 16. Project: Label the Skeleton* |
| | 5. Fossil Formation: Location | 17. Project: Be Creative* |
| | 6. Fossil Formation: Local Deposits | 18. Scientific Inquiry |
| | 7. Project: Look for Fossils* | 19. Quiz 2: Reading Fossils |
| | 8. Quiz 1: Fossil Formation | 20. Special Project* |
| | 9. Reading Fossils: Identification | 21. Test |
| | 10. Reading Fossils: Animal Fossils (Part 1) | 22. Alternate Test* |
| | 11. Reading Fossils: Animal Fossils (Part 2) | 23. Glossary and Credits |
| | 12. Project: Plants and Animals* | |
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