

**Odysseyware®**

2019-20

# **CURRICULUM CATALOG**

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## 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

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

## 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****Assignments**

Language Arts 300

- |  |   |
|--|---|
| 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****Assignments**

Language Arts 300

- |   |                                 |
|---|---------------------------------|
| 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****Assignments**

Language Arts 300

- |   |  |
|---|--|
| 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****Assignments**

Language Arts 300

- |                                      |  |
|--------------------------------------|--|
| 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)          |  |

**Unit 8: Close Reading and Adjectives****Assignments**

Language Arts 300

- |  |   |
|--|---|
| 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                           |   |

**Unit 9: Reading and Writing****Assignments**

Language Arts 300

- |   |  |
|---|--|
| 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

- 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

Grammar and Usage

- Capitalization
- Correlative Conjunctions

<b>Unit 1: Reading and Writing</b>	
<b>Assignments</b>	
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

<b>Unit 2: Reading for Meaning</b>	
<b>Assignments</b>	
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	



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

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

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

<b>Unit 6: Rhymes and Reports</b>		
<b>Assignments</b>		
Language Arts 400	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	

<b>Unit 7: Forms of Literature</b>		
<b>Assignments</b>		
Language Arts 400	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	

<b>Unit 8: Language in Literature</b>		
<b>Assignments</b>		
Language Arts 400	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****Assignments**

Language Arts 400

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

#### Writing

- Creating an Essential Question
- 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

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

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

**Unit 3: The Story of Our Language****Assignments**

Language Arts 500

- |  |  |
|--|--|
| 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                            |  |

**Unit 4: Effective Communication****Assignments**

Language Arts 500

- |   |  |
|---|--|
| 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****Assignments**

Language Arts 500

- |  |  |
|--|--|
| 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                          |  |

Unit 6: Poetry		
Assignments		
Language Arts 500	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	

  

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



## 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.

<b>Unit 1: Multisyllabic Short A Words</b>	
<b>Assignments</b>	
Spelling 300	1. Introduction to Spelling List
	2. Examine and Explore Words
	3. Project: Missing Letters*
	4. Project: Choose the Correct Spelling Word*
	5. Project: Spelling Word Sentences*
	6. Context and Meaning of Words
	7. Project: Completing the Sentence*
	8. Project: Using Spelling Words in Context*
	9. Project: Image Sentences*
	10. Using Spelling Words in Writing
	11. Project: Image Spelling Story*
	12. Project: Favorite Event*
	13. Project: What is Happening Here?*
	14. Unit Test
	15. Glossary and Credits

  

<b>Unit 2: Multisyllabic Short E Words</b>	
<b>Assignments</b>	
Spelling 300	1. Introduction to Spelling List
	2. Exploring Spelling Words
	3. Project: Dividing Words by Syllables*
	4. Project: Missing Letters*
	5. Project: Secret Code*
	6. Context and Meaning of Words
	7. Project: Words in Context*
	8. Project: Choose the Correct Word*
	9. Project: Spelling Words and Synonyms*
	10. Writing with Spelling Words
	11. Project: Spelling Words in Poetry*
	12. Project: What is Happening Here?*
	13. Project: Best or Worst Birthday Story*
	14. Unit Test
	15. Glossary and Credits

  

<b>Unit 3: Multisyllabic Short I Words</b>	
<b>Assignments</b>	
Spelling 300	1. Introduction to Spelling List
	2. Exploring Spelling Words
	3. Project: Missing Syllables*
	4. Project: Visual Spelling Words*
	5. Project: Alphabetical Order*
	6. Context and Meaning of Words
	7. Project: Words in Images*
	8. Project: Choose the Correct Word*
	9. Project: Spelling Words and Antonyms*
	10. Writing with Spelling Words
	11. Project: Spelling Words in Sentences*
	12. Project: What is Happening Here?*
	13. Project: My Favorite Thing to Do *
	14. Unit Test
	15. Glossary and Credits

<b>Unit 4: Multisyllabic Short O Words</b>	
<b>Assignments</b>	
Spelling 300	1. Introduction to Spelling List
	2. Exploring Spelling Words
	3. Project: Compound Word Math*
	4. Project: Creating Compound Words*
	5. Project: Spelling Word Work*
	6. Context and Meaning of Words
	7. Project: Hidden Word*
	8. Project: Spelling Words in Sentences *
9. Project: Words in Images*	
10. Writing with Spelling Words	
11. Project: Word Group Writing*	
12. Project: Image Spelling Story*	
13. Project: Hidden Word Sentences*	
14. Unit Test	
15. Glossary and Credits	

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

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

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

<b>Unit 8: Review List</b>	
<b>Assignments</b>	
Spelling 300	1. Introduction to Spelling List
	2. Word Sorts
	3. Project: Vowel Sorts*
	4. Project: Secret Code*
	5. Project: Missing Vowels*
	6. Context and Meaning of Words
	7. Project: My Dictionary*
	8. Project: Acrostic Poem*
9. Project: Misspelled Words*	
10. Once Upon a Time...	
11. Project: Letter to My Monster*	
12. Project: Figurative Language*	
13. Project: How-To*	
14. Unit Test	
15. Glossary and Credits	

<b>Unit 9: Multisyllabic Words and Long Vowel Sounds for /OA/</b>	
<b>Assignments</b>	
Spelling 300	1. Introduction to Spelling List
	2. Missing Vowels
	3. Project: Suffix Sort*
	4. Project: Creative Letters*
	5. Project: Word Waterfall*
	6. Context and Meaning of Words
	7. Project: Spelling Word Synonyms*
	8. Project: What is the Correct Word?*
9. Project: Words in Images*	
10. Postcard	
11. Project: Spelling Word Bookmark*	
12. Project: Stretch a Sentence*	
13. Project: I Wonder...*	
14. Unit Test	
15. Glossary and Credits	

<b>Unit 10: Long Vowel Sounds with Words Ending in E</b>	
<b>Assignments</b>	
Spelling 300	1. Introduction to Spelling List
	2. Misspelled Words
	3. Project: Vowel Sort*
	4. Project: Number Code*
	5. Project: Word Unscramble*
	6. Context and Meaning of Words
	7. Project: Spelling Word Antonyms*
	8. Project: Silly Sentences*
9. Project: Word Clues*	
10. Descriptive Writing	
11. Project: Spelling Words In Dialogue*	
12. Project: Sequence Writing*	
13. Project: But, Then, Also*	
14. Unit Test	
15. Glossary and Credits	

<b>Unit 11: Multisyllabic Words with Closed Syllables</b>	
<b>Assignments</b>	
Spelling 300	1. Introduction to Spelling List
	2. Spelling Word Syllables
	3. Project: Alphabetical Order*
	4. Project: Partial Words*
	5. Project: Word Waterfall*
	6. Context and Meaning of Words
	7. Project: Spelling Word Synonym Sentences*
	8. Project: Connections*
9. Project: Definition Sort*	
10. Acrostic Poems	
11. Project: Spelling Words in Song*	
12. Project: If/Then*	
13. Project: Smiley Sentences*	
14. Unit Test	
15. Glossary and Credits	

**Unit 12: Multisyllabic Words and Open Syllables**

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*     |   |

**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*                 |                                     |

**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* |  |

**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*   |                               |

**Unit 16: Review List****Assignments**

Spelling 300

- |                                      |  |
|--------------------------------------|--|
| 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****Assignments**

Spelling 300

- |  |                                    |
|--|------------------------------------|
| 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****Assignments**

Spelling 300

- |  |                                      |
|--|--------------------------------------|
| 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****Assignments**

Spelling 300

- |                                     |                                    |
|-------------------------------------|------------------------------------|
| 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*            |                                    |

<b>Unit 20: Homophones</b>	
<b>Assignments</b>	
Spelling 300	1. Introduction to Spelling List
	2. Homophone Pictures
	3. Project: Longest to Shortest*
	4. Project: Creative Letters*
	5. Project: Word Waterfall*
	6. Context and Meaning of Words
	7. Project: Spelling Word Sentences*
	8. Project: What is Wrong?*
	9. Project: Homophone Illustrations*
	10. Homophones and Spell Check
	11. Project: You're Hired!*
	12. Project: Letter to My Friend the Alien*
	13. Project: Story Starter*
	14. Unit Test
	15. Glossary and Credits

<b>Unit 21: Words Using the Suffix -ful/-fully</b>	
<b>Assignments</b>	
Spelling 300	1. Introduction to Spelling List
	2. Word Endings
	3. Project: Word Unscramble*
	4. Project: Misspelled Words*
	5. Project: Base Words*
	6. Context and Meaning of Words
	7. Project: Choose the Right Word*
	8. Project: Spelling Word Synonyms*
	9. Project: Quick Draw*
	10. I Have a Friend Who...
	11. Project: My Bucket List*
	12. Project: The Spelling Song*
	13. Project: Image Writing Prompt*
	14. Unit Test
	15. Glossary and Credits

<b>Unit 22: Words Using the Suffix -able/-ably</b>	
<b>Assignments</b>	
Spelling 300	1. Introduction to Spelling List
	2. Word Endings
	3. Project: Word Syllables*
	4. Project: Vowels*
	5. Project: Base Words*
	6. Context and Meaning of Words
	7. Project: Choose the Right Word*
	8. Project: Meaning Mix-Up*
	9. Project: Other Words*
	10. Acceptance Speech
	11. Project: Ongoing Sentences*
	12. Project: All About This Year*
	13. Project: Heart Map*
	14. Unit Test
	15. Glossary and Credits

<b>Unit 23: Words Using the Suffix -ly/-ally</b>	
<b>Assignments</b>	
Spelling 300	1. Introduction to Spelling List
	2. Word Endings
	3. Project: Word Syllables*
	4. Project: Consonants*
	5. Project: Base Words*
	6. Context and Meaning of Words
	7. Project: Spelling Word Riddles*
	8. Project: Silly Sentences*
	9. Project: Looks Like/Sounds Like*
	10. Zoom In
	11. Project: Which Book and Why?*
	12. Project: 50 Word Story*
	13. Project: Biography*
	14. Unit Test
	15. Glossary and Credits

**Unit 24: Review List****Assignments**

Spelling 300

- |                                      |  |
|--------------------------------------|--|
| 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****Assignments**

Spelling 300

- |                                  |                                       |
|----------------------------------|---------------------------------------|
| 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****Assignments**

Spelling 300

- |                                  |   |
|----------------------------------|---|
| 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****Assignments**

Spelling 300

- |                                  |                             |
|----------------------------------|-----------------------------|
| 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****Assignments**

Spelling 300

- |                                    |                                     |
|------------------------------------|-------------------------------------|
| 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'****Assignments**

Spelling 300

- |  |  |
|--|--|
| 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****Assignments**

Spelling 300

- |                                      |  |
|--------------------------------------|--|
| 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.

<b>Unit 1: Multisyllabic Words Using the ai/ay/au Vowel Combination</b>	
<b>Assignments</b>	
Spelling 400	1. Introduction to Spelling List
	2. Spelling Word Scramble
	3. Project: Pattern Sort*
	4. Project: Examining Words*
	5. Project: Misspelled Words*
	6. Context and Meaning of Words
	7. Project: Words in Context*
	8. Project: Spelling Word Synonyms*
9. Project: Using Spelling Words in Sentences*	
10. Using Spelling Words in Writing	
11. Project: Spelling Word Sentences*	
12. Project: Spelling Word Story*	
13. Project: Spelling Word Image Story*	
14. Unit Test	
15. Glossary and Credits	

  

<b>Unit 2: Multisyllabic Words Using the ee/ea/eu Vowel Combination</b>	
<b>Assignments</b>	
Spelling 400	1. Introduction to Spelling List
	2. Examining Words
	3. Project: Shortest to Longest*
	4. Project: Partial Words*
	5. Project: Number Code*
	6. Context and Meaning of Words
	7. Project: Scrambled Words in Context*
	8. Project: Spelling Word Antonyms*
9. Project: Spelling Alliterations*	
10. Using Spelling Words in Writing	
11. Project: Spelling Word Sentences*	
12. Project: Reflection on Spelling Words*	
13. Project: Spelling Word Image Story*	
14. Unit Test	
15. Glossary and Credits	

  

<b>Unit 3: Multisyllabic Words Using the ie Vowel Combination</b>	
<b>Assignments</b>	
Spelling 400	1. Introduction to Spelling List
	2. Sound Study
	3. Project: Missing Vowels*
	4. Project: Typing Time*
	5. Project: Image Sort*
	6. Context and Meaning of Words
	7. Project: Using Spelling Words in Dialogue*
	8. Project: Spelling Word Synonyms*
9. Project: Silly Questions*	
10. Spelling in the News	
11. Project: Spelling Word Fiction*	
12. Project: Writing About a Gift*	
13. Project: Image Writing Prompt*	
14. Unit Test	
15. Glossary and Credits	

**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****Assignments**

Spelling 400

- |                                      |                                    |
|--------------------------------------|------------------------------------|
| 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****Assignments**

Spelling 400

- |                                       |                                     |
|---------------------------------------|-------------------------------------|
| 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****Assignments**

Spelling 400

- |                                      |  |
|--------------------------------------|--|
| 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-****Assignments**

Spelling 400

- |  |                                  |
|--|----------------------------------|
| 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┘*                  |
| 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?*    |   |

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

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

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

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

**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****Assignments**

Spelling 400

- |                                      |                                    |
|--------------------------------------|------------------------------------|
| 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****Assignments**

Spelling 400

- |                                      |                                 |
|--------------------------------------|---------------------------------|
| 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****Assignments**

Spelling 400

- |   |                                  |
|---|----------------------------------|
| 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****Assignments**

Spelling 400

- |  |                                  |
|--|----------------------------------|
| 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*            |                                  |

<b>Unit 28: Words with r-Controlled Vowels (/ar/ Sound)</b>	
<b>Assignments</b>	
Spelling 400	1. Introduction to Spelling List
	2. Phoneme Sort
	3. Project: Vowels and Consonants*
	4. Project: Buddy Words*
	5. Project: Choose the Correct Word*
	6. Context and Meaning of Words
	7. Project: Antonyms*
	8. Project: Word Connections*
9. Project: Context Clues*	
10. Sequence Sentences	
11. Project: You're The Boss*	
12. Project: Memory Hand*	
13. Project: Story Frame*	
14. Unit Test	
15. Glossary and Credits	

<b>Unit 29: Words with r-Controlled Vowels (/or/ Sound)</b>	
<b>Assignments</b>	
Spelling 400	1. Introduction to Spelling List
	2. Phoneme Identification
	3. Project: Missing Vowels*
	4. Project: Creative Letters*
	5. Project: Choose the Correct Word*
	6. Context and Meaning of Words
	7. Project: Silly Sentences*
	8. Project: Definition Sort*
9. Project: Analogies*	
10. #SpellCorrectly	
11. Project: My Character Traits*	
12. Project: I am a Good Speller!*	
13. Project: Comic Strip*	
14. Unit Test	
15. Glossary and Credits	

<b>Unit 30: Review List</b>	
<b>Assignments</b>	
Spelling 400	1. Introduction to Spelling List
	2. Word Sorts
	3. Project: Word Family Sorts*
	4. Project: What is the Word Worth?*
	5. Project: Partial Words*
	6. Context and Meaning of Words
	7. Project: My Dictionary*
	8. Project: Cinquain Poems*
9. Project: Misspelled Words*	
10. Invention for Sale	
11. Project: Memorable Endings*	
12. Project: Image Prompt*	
13. Project: Student Selfie*	
14. Unit Test	
15. Glossary and Credits	



## 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.

<b>Unit 1: Multisyllabic Words Using the Vowel-Consonant-Vowel Pattern</b>	
<b>Assignments</b>	
Spelling 500	1. Introduction to Spelling List
	2. Sound Study
	3. Project: Word Unscramble*
	4. Project: Examining Words*
	5. Project: Misspelled Words*
	6. Context and Meaning of Words
	7. Project: Word Analogies*
	8. Project: Spelling Word Antonyms*
9. Project: Using Spelling Words in Sentences*	
10. Using Spelling Words in Writing	
11. Project: Writing About an Image*	
12. Project: Applying Spelling Words in a Story*	
13. Project: Letter Writing with Spelling Words*	
14. Unit Test	
15. Glossary and Credits	

<b>Unit 2: Multisyllabic Words That Have i or y</b>	
<b>Assignments</b>	
Spelling 500	1. Introduction to Spelling List
	2. Sound Study
	3. Project: Smallest to Largest*
	4. Project: Word Unscramble*
	5. Project: Missing Vowels*
	6. Context and Meaning of Words
	7. Project: Alliterations*
	8. Project: Spelling Word Synonyms*
9. Project: Choosing the Best Word*	
10. Writing About Nerves	
11. Project: Writing About an Image*	
12. Project: Applying Spelling Words in Sentences*	
13. Project: Poetry Writing with Spelling Words*	
14. Unit Test	
15. Glossary and Credits	

<b>Unit 3: Multisyllabic Words That Use the Phonogram ei</b>	
<b>Assignments</b>	
Spelling 500	1. Introduction to Spelling List
	2. Sorting Words
	3. Project: Secret Code*
	4. Project: Adding Spelling Words*
	5. Project: Alphabetical Order*
	6. Context and Meaning of Words
	7. Project: Word Clues*
	8. Project: Misspelled Words in Sentences*
9. Project: Spelling in the News*	
10. Writing About Your Best Friend	
11. Project: Image Writing Prompt*	
12. Project: Applying Spelling Words in Dialogue*	
13. Project: Letter Writing with Spelling Words*	
14. Unit Test	
15. Glossary and Credits	

**Unit 4: Multisyllabic Words That Use the Phonogram dge****Assignments**

Spelling 500

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

**Unit 5: Multisyllabic Words That Use -ant and -ent****Assignments**

Spelling 500

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

**Unit 6: Multisyllabic Words That Use -ment****Assignments**

Spelling 500

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

**Unit 7: Multisyllabic Words That Use -ance****Assignments**

Spelling 500

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

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

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

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

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

<b>Unit 12: Words Ending In -ful</b>	
<b>Assignments</b>	
Spelling 500	1. Introduction to Spelling List
	2. Missing Vowels
	3. Project: Forward/Reverse*
	4. Project: Spelling Word Syllables*
	5. Project: Scrambled Words in a Sentence*
	6. Context and Meaning of Words
	7. Project: Definition Sort*
	8. Project: Spelling Word Synonyms*
	9. Project: Spelling Word Riddles*
	10. Comic Strip Spelling
	11. Project: If I Had a Million Dollars... *
	12. Project: Email*
	13. Project: I Am Not...*
	14. Unit Test
	15. Glossary and Credits

<b>Unit 13: Base Words with the Affix un-</b>	
<b>Assignments</b>	
Spelling 500	1. Introduction to Spelling List
	2. Misspelled Words
	3. Project: Vowels and Consonants*
	4. Project: Buddy Words*
	5. Project: Creative Colors*
	6. Context and Meaning of Words
	7. Project: Antonyms*
	8. Project: Spelling Word Story*
	9. Project: Spelling Word Acrostic Poems*
	10. I Thought I Couldn't...
	11. Project: Mnemonic Device*
	12. Project: Awesome Alliterations*
	13. Project: Write Your Own Fable*
	14. Unit Test
	15. Glossary and Credits

<b>Unit 14: Base Words with the Affix dis-</b>	
<b>Assignments</b>	
Spelling 500	1. Introduction to Spelling List
	2. Base Words
	3. Project: Scrambled Words*
	4. Project: Spelling Word Syllables*
	5. Project: Misspelled Words*
	6. Context and Meaning of Words
	7. Project: Analogies*
	8. Project: What Does it Mean?*
	9. Project: Spelling Word Sentences*
	10. Exciting Endings!
	11. Project: Free Day!*
	12. Project: When I Am an Adult...*
	13. Project: Image Writing*
	14. Unit Test
	15. Glossary and Credits

<b>Unit 15: Base Words with the Affix mid-</b>	
<b>Assignments</b>	
Spelling 500	1. Introduction to Spelling List
	2. Base Words
	3. Project: Creative Letters*
	4. Project: Partial Words*
	5. Project: Alphabetical Order Using Word Endings*
	6. Context and Meaning of Words
	7. Project: Word Clues*
	8. Project: Looks Like/Sounds Like*
	9. Project: Spelling Word Sentences*
	10. Spelling Story
	11. Project: I am...*
	12. Project: Make Your Own Word Clues*
	13. Project: Ongoing Sentences*
	14. Unit Test
	15. Glossary and Credits

<b>Unit 16: Review List</b>	
<b>Assignments</b>	
Spelling 500	1. Introduction to Spelling List
	2. Word Sorts
	3. Project: Prefix/Suffix Sorts*
	4. Project: Secret Code*
	5. Project: Missing Letters*
	6. Context and Meaning of Words
	7. Project: My Dictionary*
	8. Project: Cinquain Poems*
	9. Project: Misspelled Words*
	10. Spelling Blog
	11. Project: Book Jacket*
	12. Project: Comic Strip*
	13. Project: My Story*
	14. Unit Test
	15. Glossary and Credits

<b>Unit 17: Compound Words</b>	
<b>Assignments</b>	
Spelling 500	1. Introduction to Spelling List
	2. Exploring Spelling Words
	3. Project: Word Math*
	4. Project: Forming Compound Words From Sentences*
	5. Project: Compound Words Magic Square*
	6. Context and Meaning of Words
	7. Project: Guess Which Word*
	8. Project: Compound Word Illustrations*
	9. Project: Copyediting*
	10. Whodunit?
	11. Project: Spelling Words in a Collage*
	12. Project: Historic Email*
	13. Project: Hidden Word Sentences*
	14. Unit Test
	15. Glossary and Credits

<b>Unit 18: Homophones</b>	
<b>Assignments</b>	
Spelling 500	1. Introduction to Spelling List
	2. Homophone Pictures
	3. Project: Longest to Shortest*
	4. Project: Buddy Words*
	5. Project: Vowels and Consonants*
	6. Context and Meaning of Words
	7. Project: Spelling Word Sentences*
	8. Project: What's Wrong?*
	9. Project: Definition Mix-Up*
	10. Homophones and Spell Check
	11. Project: Class Pet Catastrophe!*
	12. Project: Showing Emotions and Feelings*
	13. Project: Dialogue Writing Prompt*
	14. Unit Test
	15. Glossary and Credits

<b>Unit 19: Silent Letters</b>	
<b>Assignments</b>	
Spelling 500	1. Introduction to Spelling List
	2. Silent Letter Identification
	3. Project: Alphabetical Order*
	4. Project: Partial Words*
	5. Project: Number Code*
	6. Context and Meaning of Words
	7. Project: Analogies*
	8. Project: Context Clue Sentences*
	9. Project: Create a Semantic Map*
	10. Abstract Thoughts
	11. Project: Create a New Planet*
	12. Project: Sentence String*
	13. Project: Spelling Word Scavenger Hunt*
	14. Unit Test
	15. Glossary and Credits

<b>Unit 20: Words Ending In -ship</b>	
<b>Assignments</b>	
Spelling 500	1. Introduction to Spelling List
	2. Word Math
	3. Project: Syllable Sort*
	4. Project: Spelling Word Scramble*
	5. Project: Word Waterfall*
	6. Context and Meaning of Words
	7. Project: Venn Diagram*
	8. Project: Spelling Word Sentences*
9. Project: Word Art*	
10. The Story of our Words	
11. Project: Acrostic Poem*	
12. Project: Editorial Review*	
13. Project: Design Your Ultimate Bedroom*	
14. Unit Test	
15. Glossary and Credits	

<b>Unit 21: Words Ending In -logy</b>	
<b>Assignments</b>	
Spelling 500	1. Introduction to Spelling List
	2. Root Words
	3. Project: Syllable Sort*
	4. Project: Missing Vowels*
	5. Project: Word Squares*
	6. Context and Meaning of Words
	7. Project: Root Tree*
	8. Project: Spelling Word Sentences*
9. Project: Illustrated Examples*	
10. The Study of...	
11. Project: Ongoing Sentences*	
12. Project: Writing on the Air*	
13. Project: Create Your Own Myth*	
14. Unit Test	
15. Glossary and Credits	

<b>Unit 22: Words Ending In -less</b>	
<b>Assignments</b>	
Spelling 500	1. Introduction to Spelling List
	2. Root/Base Words
	3. Project: Syllable Identification*
	4. Project: Creative Letters*
	5. Project: Forward/Reverse*
	6. Context and Meaning of Words
	7. Project: Antonyms*
	8. Project: Spelling Word Sentences*
9. Project: Spelling Word Analogies*	
10. Meaningful Quote	
11. Project: Stretch a Sentence*	
12. Project: Would you Rather...*	
13. Project: Image Prompt*	
14. Unit Test	
15. Glossary and Credits	

<b>Unit 23: Words Ending In -ant</b>	
<b>Assignments</b>	
Spelling 500	1. Introduction to Spelling List
	2. Root Words
	3. Project: Number Code*
	4. Project: Buddy Words*
	5. Project: Scrambled Words*
	6. Context and Meaning of Words
	7. Project: Definition Sort*
	8. Project: Word Clues*
9. Project: What Does it Mean?*	
10. What Makes Me Smile	
11. Project: Back In Time*	
12. Project: Fan Letter*	
13. Project: Image Prompt*	
14. Unit Test	
15. Glossary and Credits	

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

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

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

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

<b>Unit 28: Words That Use coll-</b>	
<b>Assignments</b>	
Spelling 500	1. Introduction to Spelling List
	2. Syllable Sort
	3. Project: Vowels Versus Consonants*
	4. Project: How Much is the Word Worth?*
	5. Project: Words Within Words*
	6. Context and Meaning of Words
	7. Project: Part of Speech Sort*
	8. Project: Spelling Word Connections*
9. Project: Silly Questions*	
10. Overnight in...	
11. Project: Comic Strip Spelling*	
12. Project: Email to Distant Planet*	
13. Project: Text Me*	
14. Unit Test	
15. Glossary and Credits	

<b>Unit 29: Words That Begin with the Prefix ad-</b>	
<b>Assignments</b>	
Spelling 500	1. Introduction to Spelling List
	2. Spelling Syllables
	3. Project: Vowel Circles*
	4. Project: Forward/Reverse*
	5. Project: Spelling Pyramid*
	6. Context and Meaning of Words
	7. Project: Definition Sort*
	8. Project: Spelling Word Story*
9. Project: 3-2-1*	
10. Persuasive Letter	
11. Project: Monday Morning*	
12. Project: What the World Needs Now*	
13. Project: What Emotion is This?*	
14. Unit Test	
15. Glossary and Credits	

<b>Unit 30: Review List</b>	
<b>Assignments</b>	
Spelling 500	1. Introduction to Spelling List
	2. Word Sorts
	3. Project: Prefix Sorts*
	4. Project: Secret Code*
	5. Project: Missing Letters*
	6. Context and Meaning of Words
	7. Project: My Dictionary*
	8. Project: Cinquain Poems*
9. Project: Misspelled Words*	
10. My Year In Review	
11. Project: Book Jacket*	
12. Project: Plain Versus Spicy Sentences*	
13. Project: Better Beginnings*	
14. Unit Test	
15. Glossary and Credits	



# 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	
Assignments	
History and Geography 300	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	
Assignments	
History and Geography 300	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	

<b>Unit 3: Mid-Atlantic States</b>		
<b>Assignments</b>		
History and Geography 300	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

<b>Unit 4: Southern-Atlantic States</b>		
<b>Assignments</b>		
History and Geography 300	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

<b>Unit 5: Southern States</b>		
<b>Assignments</b>		
History and Geography 300	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	

<b>Unit 6: Great Lake States</b>		
<b>Assignments</b>		
History and Geography 300	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

<b>Unit 7: Midwestern States</b>		
<b>Assignments</b>		
History and Geography 300	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

<b>Unit 8: Mountain States</b>		
<b>Assignments</b>		
History and Geography 300	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

<b>Unit 9: Pacific States</b>		
<b>Assignments</b>		
History and Geography 300	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

  

<b>Unit 10: Review</b>		
<b>Assignments</b>		
History and Geography 300	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		
Assignments		
History and Geography 400	1. Course Overview	11. Recent Explorations of Our Earth (1)
	2. The Surface of the Earth: Maps	12. Recent Explorations of Our Earth (2)
	3. The Surface of the Earth: Oceans	13. Essay: Space Flight
	4. The Surface of the Earth: Continents	14. Essay: Space Missions*
	5. The Surface of the Earth: Fresh Water	15. Project: Latitude and Longitude*
	6. Quiz 1: The Surface of the Earth	16. Quiz 3: Recent Explorations of Our Earth
	7. Early Explorations of Our Earth (1)	17. Special Project*
	8. Essay: Spices*	18. Test
	9. Early Explorations of Our Earth (2)	19. Alternate Test*
	10. Quiz 2: Early Explorations of Our Earth	20. Glossary and Credits

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

<b>Unit 3: Desert Lands</b>		
<b>Assignments</b>		
History and Geography 400	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?	

<b>Unit 4: Grasslands</b>		
<b>Assignments</b>		
History and Geography 400	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	

<b>Unit 5: Tropical Rainforests</b>		
<b>Assignments</b>		
History and Geography 400	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

<b>Unit 6: The Polar Regions</b>		
<b>Assignments</b>		
History and Geography 400	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	

<b>Unit 7: Mountain Countries</b>	
History and Geography 400	<b>Assignments</b>
	1. Peru and the Andes
	2. The Andes and Peru
	3. Modern Peru
	4. Quiz 1: Peru of the Andes
	5. Nepal of the Himalayas
	6. Geography of Nepal
	7. The Country of Nepal
	8. Nepal Today
	9. Quiz 2: Nepal of the Himalayas
	10. Switzerland of the Alps
	11. Swiss History
	12. Switzerland Today
	13. Project: Banking*
	14. Quiz 3: Switzerland of the Alps
	15. Special Project*
	16. Test
	17. Alternate Test*
18. Glossary and Credits	

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

<b>Unit 9: North America</b>	
History and Geography 400	<b>Assignments</b>
	1. Geography
	2. Peninsulas, Oceans, and Islands
	3. More About North America
	4. Quiz 1: Geography
	5. Northern Countries: Greenland
	6. Canada
	7. United States
	8. United States (Part 2)
	9. Quiz 2: Northern Countries
	10. Southern Countries: Mexico
	11. Central America
	12. West Indies
	13. Project: Your State*
	14. Quiz 3: Southern Countries
	15. Special Project*
	16. Test
	17. Alternate Test*
18. Glossary and Credits	

<b>Unit 10: Review</b>	
History and Geography 400	<b>Assignments</b>
	1. Europe and the Explorers
	2. Exploration
	3. Review of Europe
	4. Quiz 1: Europe and the Explorers
	5. Review of Asia ( Part 1)
	6. Review of Asia (Part 2)
	7. Review of Africa
	8. Quiz 2: Asia and Africa
	9. Southern Continents: Australia
	10. Project: Investigate the Mystery
	11. Review of South America (Part 1)
	12. Review of South America (Part 2)
	13. Review of Antarctica
	14. Quiz 3: Southern Continents
	15. North America
	16. Regions of the United States
	17. The North Polar Region
	18. Quiz 4: North America and the North Polar Region
	19. Special Project
	20. Test
	21. Alternate Test
22. Glossary and Credits	

## History and Geography 500

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.

<b>Unit 1: Exploring the New World</b>	
<b>Assignments</b>	
History and Geography 500	1. Course Overview
	2. Exploration Tools
	3. Maps
	4. Quiz 1: Exploration Tools
	5. Viking and Portuguese Explorers
	6. Spanish Explorers
	7. English Explorers
	8. French Explorers
	9. Dutch Explorers
	10. Quiz 2: European Explorers
11. Early Settlements	
12. New England Colonies	
13. Middle Colonies	
14. Southern Colonies	
15. Project: Mapping*	
16. Quiz 3: Thirteen Colonies	
17. Special Project*	
18. Test	
19. Alternate Test*	
20. Glossary and Credits	

<b>Unit 2: Colonial American Life</b>	
<b>Assignments</b>	
History and Geography 500	1. Life in New England Colonies
	2. Project: Family Tree*
	3. New England Clothing and Schools
	4. New England Crafts
	5. New England Activities
	6. Quiz 1: Life in the New England Colonies
	7. Life in the Middle Colonies
	8. Benjamin Franklin: A Successful Man
	9. Benjamin Franklin: A Good Citizen
	10. Essay: Franklin Proverbs*
11. Quiz 2: Life in the Middle Colonies	
12. Life in the Southern Colonies	
13. Southern Activities	
14. Essay: Historical Accuracy*	
15. Quiz 3: Life in the Southern Colonies*	
16. Special Project*	
17. Test	
18. Alternate Test*	
19. Glossary and Credits	



<b>Unit 3: Thirteen Colonies Become a New Nation</b>	
History and Geography 500	<b>Assignments</b>
	1. A Search for Freedom
	2. Problems with England
	3. Quiz 1: A Search for Freedom
	4. War of Independence
	5. Independence Declared
	6. A Turning Point Reached
	7. Essay: Revolutionary War*
	8. Quiz 2: War of Independence
	9. Victory Declared
10. A New Nation	
11. Quiz 3: A New Nation	
12. Democracy	
13. Project: Pledge of Allegiance	
14. Report: Government Leaders*	
15. Quiz 4: Democracy	
16. Special Project*	
17. Test	
18. Alternate Test*	
19. Glossary and Credits	

  

<b>Unit 4: New Lands and Troubled Times</b>	
History and Geography 500	<b>Assignments</b>
	1. The Louisiana Purchase
	2. Project: Colonies Map*
	3. The War of 1812
	4. Project: Star Spangled Banner*
	5. Expansion from Sea to Sea
	6. Project: Map of the United States*
	7. Project: America the Beautiful*
	8. Essay: Current Event*
	9. Quiz 1: Expansion from Sea to Sea
	10. New England, Middle and Southern Colonies
11. Life on the Frontier	
12. Project: Living on the Frontier	
13. Quiz 2: Life on the Frontier	
14. Problems Between the North and the South	
15. A Great Nation Divided by War	
16. The Aftermath of the Civil War	
17. Report: Colonial Perspective*	
18. Quiz 3: A Great Nation Divided by War	
19. Special Project*	
20. Test	
21. Alternate Test*	
22. Glossary and Credits	

  

<b>Unit 5: The United States Becomes a World Leader</b>	
History and Geography 500	<b>Assignments</b>
	1. Inventions and New Ideas
	2. Development of Power
	3. Modern Explorations
	4. Essay: Conservation*
	5. Quiz 1: Inventions and New Ideas
	6. Industrialization
	7. Power Struggles
8. Quiz 2: Industrialization	
9. Immigration and Urbanization	
10. Essay: Biography	
11. Essay: Government Money*	
12. Quiz 3: Immigration and Urbanization	
13. Special Project*	
14. Test	
15. Alternate Test*	
16. Glossary and Credits	

<b>Unit 6: United By Transportation and Communication</b>		
<b>Assignments</b>		
History and Geography 500	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	

  

<b>Unit 7: The United States- One Nation with Many Regions</b>		
<b>Assignments</b>		
History and Geography 500	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	

  

<b>Unit 8: Our Southern Neighbors</b>		
<b>Assignments</b>		
History and Geography 500	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

Unit 9: Canada: Our Northern Neighbor		
Assignments		
History and Geography 500	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		
Assignments		
History and Geography 500	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	
Assignments	
1. Course Overview	16. Quiz 3: Number Order
2. Patterns: Digits and Number Words	17. Adding with Carrying
3. Place Value	18. Cardinal and Ordinal Numbers
4. Single-Digit Addition	19. Standard Measurement for Time
5. Single-Digit Subtraction	20. Calendar Time
6. Addition Problems	21. Quiz 4: Number Operations
7. Subtraction Problems	22. Unit Concept Review (1)
8. Quiz 1: Addition and Subtraction	23. Unit Concept Review (2)
9. Numbers on a Number Line	24. Practice: Addition and Subtraction
10. Pattern for Expanded Notation	25. Quiz 5: Concept Review
11. Adding Multi-Digit Numbers	26. Special Project*
12. Quiz 2: Addition and Subtraction	27. Test
13. Subtracting 3-Digit Numbers	28. Alternate Test*
14. Measurement	29. Glossary and Credits
15. Operation Symbols	

<b>Unit 2: Number Patterns</b>		
<b>Assignments</b>		
Mathematics 300	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	

<b>Unit 3: Whole Numbers and Fractions</b>		
<b>Assignments</b>		
Mathematics 300	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	

<b>Unit 4: Place Value</b>		
<b>Assignments</b>		
Mathematics 300	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 5: Measurement, Shapes, and Review****Assignments**

Mathematics 300

- |  |  |
|--|--|
| 1. Operation Symbols and Number Sense        | 14. Odd and Even Numbers                 |
| 2. Multi-Digit Addition and Subtraction (1)  | 15. Review: Checking Addition            |
| 3. Cardinal and Ordinal Numbers              | 16. Review: Checking Subtraction         |
| 4. Quiz 1: Numbers                           | 17. Review: Roman Numerals and Fractions |
| 5. Number Patterns Using Place Value         | 18. Quiz 4: Addition and Subtraction     |
| 6. Measuring Temperature                     | 19. Review: Multiple Concepts            |
| 7. Quiz 2: Place Value                       | 20. Review: Story Problems               |
| 8. Operation Symbols                         | 21. Quiz 5: Review                       |
| 9. Shapes and Symmetry                       | 22. Special Project*                     |
| 10. Rounding and Estimating                  | 23. Test                                 |
| 11. Finding Perimeter                        | 24. Alternate Test*                      |
| 12. Quiz 3: Measurement                      | 25. Glossary and Credits                 |
| 13. Multi-Digit Addition and Subtraction (2) |  |

**Unit 6: Multiplication, Addition, and Subtraction****Assignments**

Mathematics 300

- |   |   |
|---|---|
| 1. Multi-Digit Addition                                       | 12. Multiplication  |
| 2. Skip Counting and Multiplication                           | 13. Lines, Angles, and Temperature                            |
| 3. Review: Telling Time                                       | 14. Review: Addition and Subtraction                          |
| 4. Quiz 1: Addition, Skip Counting, and Time                  | 15. Quiz 4: Multiplication, Lines, and Temperature;<br>Review |
| 5. Review: Subtraction  | 16. Story Problems  |
| 6. Perimeter and Area   | 17. Multiple Concept Review                                   |
| 7. Review: Fractions  | 18. Review: Calendar  |
| 8. Quiz 2: Subtraction, Perimeter and Area, and<br>Fractions  | 19. Quiz 5: Story Problems and Review                         |
| 9. Addition and Equivalent Fractions                          | 20. Special Project*  |
| 10. Money Computation and Roman Numerals                      | 21. Test  |
| 11. Quiz 3: Addition, Fractions, Money, and Roman<br>Numerals | 22. Alternate Test*   |
|   | 23. Glossary and Credits                                      |

**Unit 7: Operations, Likelihood, and Probability****Assignments**

Mathematics 300

- |   |  |
|---|--|
| 1. Review: Place Value                          | 12. Symmetry                                       |
| 2. Review: Subtraction with Borrowing           | 13. Quiz 3: Probability, Math Facts, and Symmetry  |
| 3. Multiplication Facts                         | 14. Review: Money                                  |
| 4. Quiz 1: Place Value and Operations           | 15. Multiplication Facts                           |
| 5. Measurement                                  | 16. Multiple Concept Review                        |
| 6. Practicing Subtraction with Borrowing        | 17. Quiz 4: Money and Multiplication Facts; Review |
| 7. Mixed Numbers                                | 18. Special Project*                               |
| 8. Quiz 2: Measurement and Mixed Numbers        | 19. Test   |
| 9. Review: Expanded Notation and Roman Numerals | 20. Alternate Test*                                |
| 10. Probability and Likelihood                  | 21. Glossary and Credits                           |
| 11. Math Facts                                  |  |

**Unit 8: Measurement, Fractions, and Decimals****Assignments**

Mathematics 300

- |  |  |
|--|--|
| 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****Assignments**

Mathematics 300

- |   |   |
|---|---|
| 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****Assignments**

Mathematics 300

- |  |  |
|--|--|
| 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



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

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

**Unit 3: Whole Numbers and Fractions****Assignments**

Mathematics 400

- |  |  |
|--|--|
| 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****Assignments**

Mathematics 400

- |   |  |
|---|--|
| 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****Assignments**

Mathematics 400

- |  |   |
|--|---|
| 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****Assignments**

Mathematics 400

- |   |   |
|---|---|
| 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****Assignments**

Mathematics 400

- |  |  |
|--|--|
| 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****Assignments**

Mathematics 400

- |   |  |
|---|--|
| 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 |  |

<b>Unit 9: Decimals and Fractions</b>		
<b>Assignments</b>		
Mathematics 400	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	

<b>Unit 10: Graphing and Review</b>		
<b>Assignments</b>		
Mathematics 400	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 World 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

<b>Unit 1: Place Value, Addition, and Subtraction</b>	
<b>Assignments</b>	
Mathematics 500	1. Course Overview
	2. Whole Number Place Value
	3. Comparing and Ordering Whole Numbers
	4. Decimal Number Place Value
	5. Comparing and Ordering Decimal Numbers
	6. Quiz: Place Value
	7. Alternate Quiz - Form A: Place Value*
	8. Alternate Quiz - Form B: Place Value*
	9. Rounding Whole Numbers and Decimals
	10. Estimating Sums and Differences
	11. Add and Subtract Mentally
	12. Quiz: Rounding and Estimating
	13. Alternate Quiz - Form A: Rounding and Estimating*
	14. Alternate Quiz - Form B: Rounding and Estimating*
	15. Adding and Subtracting Whole Numbers
16. Adding Decimal Numbers	
17. Determining Rules to Generate Number Patterns	
18. Subtracting Decimal Numbers	
19. Exploring Your Finances	
20. Project: Logical Reasoning	
21. Quiz: Addition and Subtraction	
22. Alternate Quiz - Form A: Addition and Subtraction*	
23. Alternate Quiz - Form B: Addition and Subtraction*	
24. Special Project*	
25. Review	
26. Test	
27. Alternate Test - Form A*	
28. Alternate Test - Form B*	
29. Glossary and Credits	

<b>Unit 2: Multiplying Whole Numbers and Decimals</b>	
<b>Assignments</b>	
Mathematics 500	1. Estimating Whole Number Products
	2. Properties of Multiplication
	3. Multiplying Whole Numbers
	4. Quiz: Multiplying Whole Numbers
	5. Alternate Quiz —Form A: Multiplying Whole Numbers*
	6. Alternate Quiz —Form B: Multiplying Whole Numbers*
	7. Exponents
	8. Multiplying Whole Numbers by Powers of Ten
	9. Project: How Much is a Million
	10. Multiplying Decimals by Powers of Ten
	11. Quiz: Powers
	12. Alternate Quiz —Form A: Powers*
	13. Alternate Quiz —Form B: Powers*
14. Estimating Decimal Products	
15. Multiplying Whole Numbers by Decimals	
16. Multiplying Decimals by Decimals	
17. Solving Multiplication Problems	
18. Quiz: Multiplying Decimal Numbers	
19. Alternate Quiz —Form A: Multiplying Decimal Numbers*	
20. Alternate Quiz —Form B: Multiplying Decimal Numbers*	
21. Special Project*	
22. Review	
23. Test	
24. Alternate Test—Form A*	
25. Alternate Test—Form B *	
26. Glossary and Credits	

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

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

<b>Unit 5: Measurement</b>	
<b>Assignments</b>	
Mathematics 500	1. The Metric System
	2. Length
	3. Mass
	4. Capacity
	5. Quiz: The Metric System
	6. Alternate Quiz —Form A: The Metric System*
	7. Alternate Quiz —Form B: The Metric System*
	8. Length
	9. Weight
	10. Capacity
	11. Project: Density
	12. Quiz: The Customary System
	13. Alternate Quiz —Form A: The Customary System*
	14. Alternate Quiz —Form B: The Customary System*
	15. Time
	16. Elapsed Time
	17. Temperature
	18. Quiz : Time and Temperature
	19. Alternate Quiz —Form A: Time and Temperature*
	20. Alternate Quiz —Form B: Time and Temperature*
	21. Special Project*
	22. Review
	23. Test
	24. Alternate Test—Form A*
	25. Alternate Test—Form B*
	26. Glossary and Credits

<b>Unit 6: Factors and Fractions</b>	
<b>Assignments</b>	
Mathematics 500	1. Factors
	2. Prime Factorization
	3. Greatest Common Factor
	4. Quiz: Factors
	5. Alternate Quiz —Form A: Factors*
	6. Alternate Quiz —Form B: Factors*
	7. Fractions
	8. Improper Fractions and Mixed Numbers
	9. Simplifying Fractions
	10. Equivalent Fractions
	11. Quiz: Equivalent Fractions
	12. Alternate Quiz —Form A: Equivalent Fractions*
	13. Alternate Quiz —Form B: Equivalent Fractions*
	14. Least Common Multiple
	15. Comparing Fractions
	16. Fractions and Decimals
	17. Rounding Fractions
	18. Quiz: Fractions
	19. Alternate Quiz —Form A: Fractions*
	20. Alternate Quiz —Form B: Fractions*
	21. Special Project*
	22. Review
	23. Test
	24. Alternate Test—Form A*
	25. Alternate Test—Form B*
	26. Glossary and Credits

<b>Unit 7: Fraction Operations</b>	
<b>Assignments</b>	
Mathematics 500	1. Adding and Subtracting Fractions
	2. Adding and Subtracting Mixed Numbers
	3. Estimating Sums and Differences
	4. Quiz: Like Denominators
	5. Alternate Quiz—Form A: Like Denominators*
	6. Alternate Quiz —Form B: Like Denominators*
	7. Adding Fractions
	8. Subtracting Fractions
	9. Adding Mixed Numbers
	10. Subtracting Mixed Numbers
	11. Quiz: Unlike Denominators
	12. Alternate Quiz —Form A: Unlike Denominators*
	13. Alternate Quiz —Form B: Unlike Denominators*
	14. Multiplying Whole Numbers and Fractions
	15. Multiplying Fractions
	16. Multiplying Mixed Numbers
	17. Dividing Fractions
	18. Quiz : Multiplying and Dividing Fractions
	19. Alternate Quiz —Form A: Multiplying and Dividing Fractions*
	20. Alternate Quiz —Form B: Multiplying and Dividing Fractions*
	21. Special Project*
	22. Review
	23. Test
	24. Alternate Test—Form A*
	25. Alternate Test—Form B*
	26. Glossary and Credits



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

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

<b>Unit 10: Perimeter, Area, and Volume</b>		
<b>Assignments</b>		
Mathematics 500	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

  

<b>Unit 11: Course Review and Exam</b>		
<b>Assignments</b>		
Math 500	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.

<b>Unit 1: You Grow and Change</b>																					
<b>Assignments</b>																					
Science 300	<table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%; padding: 2px 5px;">1. Course Overview</td> <td style="width: 50%; padding: 2px 5px;">11. Experiment: Taking Your Pulse</td> </tr> <tr> <td style="padding: 2px 5px;">2. Your Body Breathes Air</td> <td style="padding: 2px 5px;">12. Project: Bone Numbers</td> </tr> <tr> <td style="padding: 2px 5px;">3. Your Body Needs Oxygen</td> <td style="padding: 2px 5px;">13. Quiz 3: Your Body Moves</td> </tr> <tr> <td style="padding: 2px 5px;">4. Experiment: Breathing Patterns</td> <td style="padding: 2px 5px;">14. Your Body Thinks</td> </tr> <tr> <td style="padding: 2px 5px;">5. Experiment: Your Lungs</td> <td style="padding: 2px 5px;">15. Quiz 4: Your Body Thinks</td> </tr> <tr> <td style="padding: 2px 5px;">6. Quiz 1: Your Body Breathes Air</td> <td style="padding: 2px 5px;">16. Special Project</td> </tr> <tr> <td style="padding: 2px 5px;">7. Your Body Digests Food</td> <td style="padding: 2px 5px;">17. Test</td> </tr> <tr> <td style="padding: 2px 5px;">8. Experiment: Taste Test</td> <td style="padding: 2px 5px;">18. Alternate Test</td> </tr> <tr> <td style="padding: 2px 5px;">9. Quiz 2: Your Body Digests Food</td> <td style="padding: 2px 5px;">19. Glossary and Credits</td> </tr> <tr> <td style="padding: 2px 5px;">10. Your Body Moves</td> <td></td> </tr> </table>	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	
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<b>Unit 2: Plants</b>																	
<b>Assignments</b>																	
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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																

<b>Unit 3: Animals</b>		
<b>Assignments</b>		
Science 300	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	

<b>Unit 4: Body Health</b>		
<b>Assignments</b>		
Science 300	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

<b>Unit 5: Properties of Matter</b>		
<b>Assignments</b>		
Science 300	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	

<b>Unit 6: Sound</b>		
<b>Assignments</b>		
Science 300	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	

<b>Unit 7: Time and Seasons</b>		
<b>Assignments</b>		
Science 300	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

<b>Unit 8: Rocks and Their Change</b>		
<b>Assignments</b>		
Science 300	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

<b>Unit 9: Heat Energy</b>		
<b>Assignments</b>		
Science 300	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	

<b>Unit 10: Review</b>		
<b>Assignments</b>		
Science 300	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	10. Parts of a Plant: Roots and Stems
	2. Plant Life	11. Experiment: Celery
	3. Plants: Food and Shelter	12. Parts of a Plant: Leaves
	4. Project: Things Made of Wood	13. Parts of a Plant: Flowers
	5. Project: Fruit*	14. Quiz 2: Plant Parts
	6. Plant Products	15. Special Project*
	7. Project: Plant Products*	16. Test
	8. Quiz 1: Plant Life	17. Alternate Test*
	9. Parts of a Plant	18. Glossary and Credits

<b>Unit 2: Animals</b>		
<b>Assignments</b>		
Science 400	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

<b>Unit 3: The Environment</b>		
<b>Assignments</b>		
Science 400	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

<b>Unit 4: Machines</b>		
<b>Assignments</b>		
Science 400	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

<b>Unit 5: Electricity and Magnetism</b>		
<b>Assignments</b>		
Science 400	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

  

<b>Unit 6: Matter and Water</b>		
<b>Assignments</b>		
Science 400	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	

  

<b>Unit 7: Weather</b>		
<b>Assignments</b>		
Science 400	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	



<b>Unit 8: The Universe and Solar System</b>	
<b>Assignments</b>	
Science 400	1. A Trip Through Space
	2. Astronomy Tools
	3. Project: Astronomy Tools
	4. Project: Astronomy*
	5. Quiz 1: Astronomy
	6. The Sun
	7. Project: Sun Myths*
	8. Gravity and Motion
	9. Project: Isaac Newton*
	10. Planets and Other Celestial Bodies
11. Our Moon	
12. Project: Moon Phases	
13. Quiz 2: The Sun and Planets	
14. Stars and Space	
15. Beyond the Milky Way	
16. Quiz 3: The Stars and Space	
17. Special Project*	
18. Test	
19. Alternate Test*	
20. Glossary and Credits	

  

<b>Unit 9: The Planet Earth</b>	
<b>Assignments</b>	
Science 400	1. The Air (Atmosphere)
	2. Experiment: Condensation
	3. Gases in the Atmosphere
	4. Quiz 1: The Air (Atmosphere)
	5. The Water (Hydrosphere)
	6. Salt Water
	7. Experiment: Currents*
	8. Quiz 2: The Water (Hydrosphere)
	9. The Land (Lithosphere)
	10. Experiment: Shadows
11. Earth's Land Formations	
12. Earth's Rotation and Revolution	
13. Quiz 3: The Land (Lithosphere)	
14. Special Project *	
15. Test	
16. Alternate Test*	
17. Glossary and Credits	

  

<b>Unit 10: Review</b>	
<b>Assignments</b>	
Science 400	1. The Solar System
	2. Plants and Animals
	3. Quiz 1: Review
	4. Matter
	5. Water
	6. Weather
	7. Project: Weather Scrapbook*
	8. Quiz 2: Review
	9. Electricity and Magnetism
	10. Project: Alessandro Volta*
11. Work and Machines	
12. Quiz 3: Review	
13. The Environment	
14. Conservation	
15. Project: Passenger Pigeon*	
16. Quiz 4: Review	
17. Special Project*	
18. Test	
19. Alternate Test*	
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	
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	

<b>Unit 2: Plants: Life Cycles</b>		
<b>Assignments</b>		
Science 500	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*	

<b>Unit 3: Animals: Life Cycles</b>		
<b>Assignments</b>		
Science 500	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)	

<b>Unit 4: The Web of Life</b>		
<b>Assignments</b>		
Science 500	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)	

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

<b>Unit 6: Physical Geology</b>	
<b>Assignments</b>	
Science 500	1. Earth Structures
	2. Internal Structure
	3. Igneous Structures
	4. Project: Volcanoes*
	5. Mountains
	6. Quiz 1: Earth Structures
	7. Earth Changes
	8. Erosion and Sediment
	9. Oceans
	10. Project: Weathering*
	11. Quiz 2: Earth Changes
	12. Plate Tectonics
	13. Quiz 3: Plate Tectonics
	14. Special Project*
	15. Test
	16. Alternate Test*
	17. Glossary and Credits

<b>Unit 7: Records in Rock: Fossils</b>	
<b>Assignments</b>	
Science 500	1. Fossil Formation
	2. Experiment: Fossils
	3. Experiment: Cast Fossil*
	4. Fossil Formation: More Fossil Types
	5. Fossil Formation: Location
	6. Fossil Formation: Local Deposits
	7. Project: Look for Fossils*
	8. Quiz 1: Fossil Formation
	9. Reading Fossils: Identification
	10. Reading Fossils: Animal Fossils (Part 1)
	11. Reading Fossils: Animal Fossils (Part 2)
	12. Project: Plants and Animals*
	13. Reading Fossils: Difficulties
	14. Project: Fossil Clues*
	15. Reading Fossils: Reconstruction
	16. Project: Label the Skeleton*
	17. Project: Be Creative*
	18. Scientific Inquiry
	19. Quiz 2: Reading Fossils
	20. Special Project*
	21. Test
	22. Alternate Test*
	23. Glossary and Credits

<b>Unit 8: Records in Rock: Geology</b>		
<b>Assignments</b>		
Science 500	1. Features of the Earth	14. Surface Forces (Part 2)
	2. Landforms	15. Experiment: Erosion*
	3. Experiment: Examine an Orange*	16. Living Things
	4. Layers of the Earth (Part 1)	17. Forces From Under the Surface (Part 1)
	5. Layers of the Earth (Part 2)	18. Forces From Under the Surface (Part 2)
	6. Rocks on Earth's Surface	19. Project: Volcanoes*
	7. Project: Examine a Mineral*	20. Results of Forces
	8. Kinds of Rocks	21. Quiz 2: Changes in the Earth
	9. Identifying Rocks	22. Special Project*
	10. Project: Rocks and Minerals*	23. Test
	11. Project: Rock Hunt*	24. Alternate Test*
	12. Quiz 1: Structure of the Earth	25. Glossary and Credits
	13. Surface Forces (Part 1)	

  

<b>Unit 9: Cycles in Nature</b>		
<b>Assignments</b>		
Science 500	1. Matter: Properties of Matter (Part 1)	13. Project: Globe*
	2. Matter: Properties of Matter (Part 2)	14. Other Natural Cycles: Phases of the Moon
	3. Experiment: Volume	15. Other Natural Cycles: Comets
	4. Matter: Changes in Matter	16. Project: Comets*
	5. Experiment: Water Container*	17. Other Natural Cycles: Life
	6. Experiment: Types of Changes*	18. Other Natural Cycles: Water Cycle
	7. Matter: Conservation	19. Experiment: Evaporation*
	8. Structure of Matter	20. Quiz 2: Other Natural Cycles
	9. Experiment: Conservation of Matter*	21. Special Project*
	10. Project: Antoine Lavoisier*	22. Test
	11. Quiz 1: Matter	23. Alternate Test*
	12. Other Natural Cycles: Seasons	24. Glossary and Credits

  

<b>Unit 10: Look Ahead</b>		
<b>Assignments</b>		
Science 500	1. Living Things: Plant Life	13. The Earth: Changes in the Earth
	2. Living Things: Plants and Fungi	14. Project: Landforms*
	3. Experiment: Mitosis and Budding*	15. Quiz 2: The Earth
	4. Living Things: Animal Life	16. Order: Energy
	5. Project: Organs and Tissue*	17. Order: Work
	6. Living Things: Animals and Protozoa	18. Project: Make A Collage*
	7. Project: Organism Report*	19. Order: Matter
	8. Living Things: Balance of Life	20. Quiz 3: Order
	9. Project: Use the News*	21. Special Project *
	10. Quiz 1: Living Things	22. Test
	11. The Earth: Fossils	23. Alternate Test*
	12. The Earth: Records of Rock	24. Glossary and Credits

\* Indicates alternate assignments