

## LANGUAGE ARTS CURRICULUM FOR SECOND GRADE

The second grade language arts program includes reading, English grammar, writing skills, phonics, spelling, and handwriting. Reading skills are developed by using picture books with strategically designed lessons and independent reading materials available in the classroom. Teacher directed small groups to target individuals' needs, complete the reading program. The grammar program also uses picture books as mentor text to target specific skills. The English textbook is used as an additional resource to supplement areas of need. Student writing takes form in story writing, process writing, editing and other special projects. Phonics is taught as an integral part of the spelling program (3rd grade level). Each unit presents a particular phonemic sound that all spelling words for that week have in common. Finally, Zaner-Bloser's continuous stroke manuscript alphabet and simplified cursive alphabet is taught.

### Reading

Topics Covered	Skills Acquired
<b>Reading</b> Types of Books	Differentiate between fiction and nonfiction text; Identify different genres within fiction and nonfiction; Develop a love and appreciation for reading.
<b>Phonetic Awareness</b> Rhyming, Syllables, Onset and rime, Identifying, blending, and segmenting phonemes,	Identify rhyming words and patterns; Create rhymes; Identify phonemes (sounds) that make up words; Blend phonemes; Segment phonemes(initial, medial, and final sounds); Recognize patterns within words to create new words (onset and rime); Identify syllables in words; Decode multisyllabic words.
<b>Fluency</b> Accuracy, Phrasing, Prosody (pace) and rate	Build sight word vocabulary; Read with accuracy; Group words into appropriate phrases; Attend to punctuation; Emphasize words to enhance meaning; Convey text's message; Read at an appropriate rate for the text.
<b>Comprehension</b> Main idea and supporting details, Characterization, Plot, Setting, Cause and effect, Predicting, Inferences and drawing conclusions, Compare and contrast, Sequencing, Retelling, Asking questions, Making connections, Summarizing	Identify the main idea and supporting details of fiction and nonfiction text; Describe characters; Identify plot elements; Describe setting; Identify cause and effect relationships in text; Make Predictions; Draw conclusions based on text; Make inferences using background knowledge and text; Order events from text sequentially; Retell a story; Ask questions before, during, and after reading; Make connections while reading (text to self; text to text; and text to world); Writing chapter and book summaries.
<b>Vocabulary</b>	Identify unfamiliar words; Use new words in context; Classify words based on similarities; Draw pictures to illustrate meaning.

Using words in context, Classifying words, Visual imaging	
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**Spelling**

Topics Covered	Skills Acquired
<p><b>Vowels</b> Short Vowels, Long Vowels Patterns, Spelling vowel-consonant-e, Long a spelled <i>ai</i> or <i>ay</i>, Long e spelled <i>ea</i> or <i>ee</i>, Long o spelled <i>oa</i>, <i>om</i>, or <i>o</i>, Long i spelled <i>igh</i>, <i>i</i>, or <i>ie</i>, Vowel sound in clown, spelled <i>ow</i> or <i>ou</i>, Vowel sound in lawn, spelled <i>am</i>, <i>o</i>, or <i>a-before-i</i>, Vowel sound in coin spelled <i>oi</i> or <i>oy</i>, Vowel sounds in tooth and cook, Vowel sound in bought, spelled <i>ough</i>, or <i>augh</i></p>	<p><b>Phonemic Awareness Skills</b> - Identifying short and long vowel sounds; A variety of vowel spelling; Consonant patterns; Word families; Consonant clusters; Endings; Prefixes; Suffixes; Homophones.</p>
<p><b>Consonants</b> 3-Letter Consonant Clusters, Unexpected consonant patterns (kn, we, tch)/j/ as in jump or stage, /k/ spelled <i>k</i>, <i>ck</i>, or <i>c</i>, /kw/ spelled <i>qu</i>, Double consonants, /s/ as in city, spelled <i>c</i>, Words that end with <i>le</i> or <i>er</i>, Words that begin with <i>a</i> or <i>be</i></p>	<p>Thesaurus Skills - Identifying synonyms and antonyms; Dictionary Skills - Alphabetical order.</p>
<p><b>R - Controlled Words</b> Vowel + r sound as in <i>dark</i> spelled <i>ar</i>, Vowel + r sound as in <i>clear</i> spelled <i>ear</i>, Vowel + r as in <i>storm</i> spelled <i>or</i> Vowel + r sound as in <i>first</i> spelled <i>er</i>, <i>ir</i>, <i>ur</i>, or <i>or</i> Vowel + r sound as in <i>hair</i>, spelled <i>are</i>, <i>air</i>, or <i>ear</i></p>	<p>Proofreading Skills - Checking spelling, Punctuation, Grammar</p>
<p><b>Prefixes and Suffixes</b></p>	

Word endings -ed or ing, Changing final y to i before suffix, Prefixes <i>re</i> and <i>un</i> , Suffixes <i>ful</i> , <i>ly</i> , and <i>er</i>	
<b>Other patterns</b> Homophones, Compound words, Spelling words by syllables with VCCV	

**Language Arts (Grammar, Writing, and Handwriting)**

Topics Covered	Skills Acquired
<b>Sentence Structure</b> Naming parts and action parts, Punctuation, Capitalization	Identify and analyze correct sentences; Identifying naming parts and action parts of sentences; Identify statements, questions, commands, and exclamations; Use punctuation (periods, commas, exclamation marks, question marks, and apostrophes) correctly; Ensure subject/verb agreement in sentences; Turn simple sentences into more complex sentences.
<b>Nouns</b> Common noun, Special nouns, Pronouns, Naming yourself last, Possessive nouns, Collective nouns, Plural nouns	Identify nouns; Capitalize special nouns; Use “I” correctly in sentences; Use pronouns to replace a noun; Use an apostrophe to show possessive nouns; Use collective nouns; Change singular nouns to plural nouns and use correctly.
<b>Verbs</b> Past, present, and future tense verbs, Is and are, Was and were, Contractions	Identify verbs; Use verbs correctly in sentences with nouns and pronouns; Use verbs in the past, present or future tense; Identify contractions and use contractions correctly.
<b>Adjectives</b> Adjectives with <i>er</i> and <i>est</i>	Identify adjectives; Use adjectives to help describe nouns; Use adjectives with <i>er</i> and <i>est</i> to compare; Use articles (a/an) before an adjective correctly.
<b>Adverbs</b>	Identify adverbs; Use adverbs to help modify verbs.
<b>Prepositions</b> Prepositional phrases	Identify prepositions in sentences; Identify prepositional phrases; Use prepositions/prepositional phrases correctly in sentences.
<b>Writing</b> Writing process - Plan, Draft, Revise, Edit, Publish	Understand and utilize the writing process - Plan for a variety of writing purposes, Draft complete writings, Revise by adding more descriptive details in writings, Edit for punctuation, Write a final copy for publishing, Publish in a variety of manners.
<b>Sentence/Paragraph</b>	Use correct capital and lowercase letters; Use correct punctuation;

<b>Writing</b>	Use correct sentence structure; Use simple and complex sentences appropriately; Indent paragraphs.
<b>Narrative Writing</b> Fictional Narrative, Personal Narrative	Write in the narrative style; With a complete beginning, middle, and end; Develop story elements in writing, including character, problem and solution; Use transition words; Develop creative writing.
<b>Expository/Informational Writing</b>	Write in the expository style; Write “How-To” and give specific directions; Write to tell information about a topic using a topic sentence, details, and ending sentences.
<b>Letter Writing</b>	Write a letter using the correct format.
<b>Poetry</b>	Complete a variety of poems using different forms, including rhyming, free verse, shape poems and acrostic.
<b>Summary</b>	Complete guided summaries in class; Develop summaries independently; Use SWBST to help develop summaries; Use transitional words (first, next, then, last) correctly in summaries.
<b>Short Answer</b>	Answer questions using complete sentences.
<b>Handwriting</b> Print, Cursive	Review correct print formation of letter; Introduction to correct formation of cursive letters.

### **MATHEMATICS FOR SECOND GRADE**

Through Houghton Mifflin Harcourt’s : Go Math!” for the third grade level, students are learning new skills and constantly review them throughout the year, building on prior learning. In our 2nd grade math program, students will develop an understanding of multiplication and division, in addition to reviewing multiple-digit addition, and subtraction skills. Students also form an understanding of fractions and equal parts. Other skills include telling time to the hour, counting money, geometry and patterns. Daily math allows for both the introduction of new skills and a review of concepts. Assessment takes place in the form of written tests and quizzes.

Topics Covered	Skills Acquired
<b>Whole Number Operations</b> Addition and Subtraction Within 1,000	Number patterns within 1,000; Round to the nearest ten or hundred; Estimate sums and differences; Addition and subtraction strategies.
<b>Whole Number Operations</b> Represent and Interpret Data	Organizing data; Frequency tables; Picture graphs; Bar graphs; Line plots.
<b>Whole Number Operations</b> Understand Multiplication	Count equal groups; Relate addition and multiplication; Skip count on a number line; Model multiplication; Use arrays;

	Commutative property; Identity property; Zero property.
<b>Whole Number Operations</b> Multiplication Facts and Strategies	Distributive property; Associative property; Multiplication facts within 10; Use a multiplication table.
<b>Whole Number Operations</b> Use Multiplication Facts	Describe patterns with multiplication; Find unknown numbers in multiplication problems; Use the distributive property to solve problems; Multiplication strategies with multiples of 10; Multiply 1 digit numbers with multiples of 10.
<b>Whole Number Operations</b> Understand Division	Model division - size of equal groups and number of equal groups; Relate subtraction and division; Model with arrays; Relate multiplication and division; Division rules for 1 and 0.
<b>Whole Number Operations</b> Division Facts and Strategies	Division facts within 10; Order of operations.
<b>Fractions</b> Understand fractions	Equal parts of a whole; Equal shares; Unit fractions of a whole; Fractions of a whole; Relate fractions and whole numbers; Fractions of a group; Find part of a group using fractions.
<b>Fractions</b> Compare fractions	Compare fractions with same denominator; Compare fractions with same numerator; Compare and order fractions; Equivalent fractions
<b>Measurement</b> Time, Length, Liquid Volume, Mass	Time to the minute; AM and PM; Measure time interval; Use time intervals; Measure length; Estimate and measure liquid volume; Estimate and measure mass.
<b>Measurement</b> Perimeter, Area	Model and find perimeter; Understand area; Measure area; Problem solve using perimeter and area.
<b>Geometry</b> Two Dimensional Shapes	Describe plane shapes; Describe angles in plane shapes; Identify polygons; Describe sides of polygons; Classify quadrilaterals; Describe triangles; Classify plane shapes.

### SCIENCE FOR SECOND GRADE

Science in second grade aims to develop a deeper understanding of topics discussed in previous years. Science is taught through hands-on activities, reading, writing, group research projects, and class discussions. The curriculum is enhanced by a variety of outside materials such as live plants, animals, experiments, observations, and curriculum related field trips.

Topics Covered	Skills Acquired
<b>Life Science</b>	Plants are living things - Living things have needs, Needs of

	plants, Plant parts, How plants use their parts, Grouping plants, Kinds of roots, Unsafe plants, Plant life cycle, Seeds; Animals are living things - Classifying animals (mammals, birds, reptiles, amphibians, fish), Animal needs (land, water, and air), Animal life cycles; Environments - Plant and animal habitats, Nature changes environments, Animal adaptations; Energy needs - Animals and plants need energy, Food chains, Food webs, People get energy from food, Food choices (healthy goods and food groups.
<b>Earth Science</b>	Rock, soil, fossils - Minerals and rocks, Layers of soil, Types of soil, Erosion and weathering, Formation of fossils, What can we learn from fossils, Making inferences using fossils, Dinosaur project; Using and saving resources - Natural resources, Electricity and heat, Pollution and litter, How can we help the environment (save, conserve, and reuse). Weather Patterns - Daily weather patterns, Water cycle, Precipitation and wind, Weather patterns in seasons, Seasons, Daylight patterns, How animals and plants change with the seasons, Hibernation, Migration and adaptations; Motions in the Sky - The sun: Sunspots & Solar flares, Solar system: 8 planets, Rotation and revolution, Observing shadows, Movement of the moon, Phases of the moon, Stars and constellations.
<b>Physical Science</b>	Matter - Properties of objects, States of matter (solid, liquid, and gas), Volume and mass, Matter changes, Mixtures and solutions, Tools that magnify; Making Sound - How sound is made, Sound waves, How sound travels, Direction of sound, Pitch and volume; Objects in Motion -Describe position, Motion and gravity, Forces: Push and pull & Friction, Newton's Laws, Measuring motion, Simple machines: Ramps, Levers, Pulleys; Magnets - Push and pull, Magnetic poles, Attract and repel, Materials that attract magnets, Magnetic vs. nonmagnetic, Everyday magnets, Magnetic fields, Weakening a magnets force.

### **SOCIAL STUDIES FOR SECOND GRADE**

The second grade social studies program includes both map study skills that encompass community, United States, and the globe, as well as information about other cultures. The textbook, Houghton Mifflin's "Neighborhoods" is used as a baseline and teacher created resources are used to further explore topics and enhance student understanding. To enrich the program, particular cultures are presented through teacher made activities, worksheets, and field trips. Games, quizzes, puzzles, and songs are used to help students learn the states and capitals. An individual project is completed to end the year that includes choosing, researching, and writing a report on a historical figure. The class then learns from each other during their "Wax Museum" presentation.

Topics Covered	Skills Acquired
<b>Places and People</b>	Identify and understand school communities; Identify rules in different communities (school, neighborhood, etc); Neighborhoods; Types of communities - Rural, Suburban, Urban; Geography - Globe, World map, Compass rose, Symbols, Grid.
<b>Places Near and Far</b>	Introduction to 50 states - USA, Continents and oceans, Our location in the universe, Landforms: Valley, Peninsula, Island, Plain, Mountains; Bodies of water: Oceans, Lakes, Rivers, Ponds; Weather and climate; Regions (maps); Natural resources: Renewable and Nonrenewable; Geography Skills: Poles, Equator, Hemispheres, Intermediate directions.
<b>America's Past</b>	European Explorers: Marco Polo & Christopher Columbus; Early Settlements - Jamestown, Plymouth, 13 colonies; Declaration of Independence; American Revolution; American Patriots; Heroes of the Past: -Sitting Bull, Golda Meir, Jackie Robinson, Thomas Edison, Albert Einstein, George Washington; Communities Change - Changes in transportation and communication; First Americans - Native American groups; Geography Skills - Compass.
<b>Ways of Living</b>	Customs and cultures; Ancestors -Family trees and timelines, Traditions, Legends; American Symbols; American Landmarks - Mount Rushmore, Statue of Liberty, Liberty Bell; American Monuments and Memorials - Lincoln Memorial, Washington Monument, Jefferson Memorial; National Holidays.
<b>America's Government</b>	Government as a democracy - Local government, State capitals, Government services; Citizenship - Rights, Responsibilities, Being a good citizen; Laws -Police officers, Judges, Citizens; Leadership - Voting, Elections, Ballots; Constitution - Democracy, Liberty, Justice; Three Parts of the Government - President, Congress, Supreme Court.
<b>World of Work</b>	Distinguish between needs and wants and demonstrate limitations; Explain the conflict between unlimited wants and limited resources; Distinguish between goods and services.
<b>People at Work</b>	Needs and wants; Work - Producers & Consumers; Working for an income; Goods and services; Saving money; Process involved in production; Three kinds of resources - Human, Capital, Natural; Scarcity; Barter and trade; Geography Skills - Map scale.

