

## LANGUAGE ARTS CURRICULUM FOR THIRD GRADE

The overall goal for language arts in third grade is for students to become organized writers who can expand on base knowledge or ideas with added detail while staying on topic. Students will practice writing in various styles such as persuasive and narrative. Students should be able to write legibly in print. They practice their cursive skills. Students demonstrate their writing abilities through various informal and formal writing activities. Students practice spelling skills and attend the school's Scripps Spelling Bee to prepare for participation in the following years.

### Reading

The overall goal for reading in third grade is for students to read above grade level fluently and independently as well as complete independent work based on reading materials. This is accomplished through the study of chapter books, vocabulary builders, and poetry. Students also have access to a wide variety of literature in the classroom library. The novels are complimented with chapter tests, analysis, book reviews, outside field trips, movies where available and movie reviews. The third grade uses the Rooted In Reading curriculum for the Language Arts program. The Rooted in Reading curriculum contains picture books which are aligned with skills that are practiced throughout the unit with discussions, graphic organizers, and written responses.

Topics Covered	Skills Acquired
<b>Thematic Literature Units</b> Vocabulary and Language Comprehension; Characteristics of - Fiction, Nonfiction, Informational texts, Poetry, Plays; Literary skills; Literary Elements.	Predicting and summarizing skills; Making connections; Classifying and categorizing; Visualizing; Asking questions; Understanding cause and effect; Using context clues; Analyzing character traits; Compare and contrast; Understanding dialog and voice; Fantasy and fiction versus nonfiction; Understanding author's point of view; Learning rhyme and rhythm; Evaluating a story; Recognizing setting, plot, characters; Reading fables and folktales.

### Spelling

Topics Covered	Skills Acquired
<b>Spelling Principles and Strategies</b> Dictionary Skills, Vocabulary	Using the dictionary and guide words; Identifying homophones and homographs; Using a thesaurus; Learning spelling meaning strategies; Learning long and short vowel sounds; Learning words with prefixes and suffixes; Synonyms and antonyms; Learning spelling meaning connection; Using vowel and consonant patterns; Vocabulary enrichment; Recognizing words that have multiple meanings.

**Grammar and Writing**

Topics Covered	Skills Acquired
<p><b>Understanding sentences, Using punctuation, Developing the writing process, Writing research papers, Writing book reports, Writing book reviews, Paragraph development, Mechanics, Study skills, PowerPoint Presentations, Content, Oral presentation</b></p>	<p>Correct use of grammar, including capitalization and mechanics; Correct punctuation; Complete sentences; Types of sentences and parts of a sentence; Identifying the correct usage of nouns; Proper and common nouns; Both singular and plural nouns; Adjectives; Verbs; Pronouns; The proper usage of regular and irregular verbs; The writing process beginning with - Prewriting, Drafting, Revising, Editing, Publishing; The use of the six traits of writing - Ideas Organization, Voice, Sentence fluency, Word Choice, Convention; Writing Process - Learning different writing styles: Persuasive, Descriptive, Poetry, Book reports, Research paper; Understanding the concept and how to write a research paper; Understanding how to gather facts; Write note cards; Write an outline; Go through the writing process; Using research skills to set up the presentation.</p>

**MATHEMATICS FOR THIRD GRADE**

The overall goal for math in third grade is for students to build on and expand their basic knowledge of addition, subtraction, multiplication, and division to new areas such as long division, fractions, and geometry. Third graders are also introduced to algebraic expressions and gain a basic understanding of missing variables. Students in third grade work out of a 4th grade “Go Math!” book.

Topics Covered	Skills Acquired
<p><b>Place Value and Operations with Whole Numbers</b></p>	<p>Place Value - Model place value relationships, Read and write numbers, Compare and order numbers, Round numbers; Addition and Subtraction - Add whole numbers, Subtract whole numbers, Comparing addition and subtraction;                      Multiply by 1-Digit Numbers - Multiplication comparisons, Multiply tens, hundreds, and thousands, Estimate products, Multiply using expanded form, Multiply using partial products, Multiply 2-digit numbers with regrouping, Multiply 3-digit and 4-digit numbers with regrouping, Solve multistep problems with equations;                      Multiply 2-digit numbers - Multiply by tens, Estimate products, Multiply using partial products, Multiply with regrouping, Choose a multiplication method, Problem solving using multiplication of 2-digit numbers;                      Divide by 1-digit numbers - Estimate quotients using multiples, Interpret the remainder, Divide tens, hundred, and thousands, Estimate quotients using compatible numbers, Division and the distributive property, Divide using repeated subtraction, Divide</p>

	using partial quotients, Place the first digit, Divide by 1-digit numbers, Problem solving- multistep division problems; Factors, Multiples, and Patterns - Model factors, Factors and divisibility, Common factors, Factors and multiples, Prime and composite numbers, Algebra - number patterns.
<b>Fractions and Decimals</b>	Fraction Equivalence and Comparison - Equivalent fractions, Generate equivalent fractions, Simplest form, Common Denominators, Find Equivalent fractions, Compare fractions using benchmarks, Compare fractions, Compare and order fractions; Add and subtract Fractions - Add and subtract parts of a whole, Write fractions as sums, Add fractions using models, Subtract fractions using models, Add and subtract fractions, Renamer fractions and mixed numbers, Add and subtract mixed numbers, Subtraction with renaming, Algebra - fractions and properties of addition, Problem solving 0 multi step fraction problems; Multiply Fractions by Whole Numbers- Multiples of unit fractions, Multiples of fractions, Multiply a fraction by a whole number using models, Multiply a fraction or a mixed number by a whole number, Problem solving - Comparison problems with fractions; Relate Fractions and Decimals- Relate tenths and decimals, Relate hundredths and decimals, Equivalent fractions and decimals, Relate fractions, decimals, and money, Problem Solving - money, Add fractional parts of 10 and 100, Compare decimals.
<b>Geometry, Measurement, and Data</b>	Two-Dimensional Figures - Lines, rays, and angles, Classify triangles by angles, Parallel lines and perpendicular lines, Classify quadrilaterals, Line Symmetry, Find and draw lines of symmetry, Problem solving - Shape patterns; Angles - Angles and fractional parts of a circle, Degrees, Measure and draw angles, Join and separate angles, Problem Solving - unknown angle measures; Relative Sizes of Measurement Units - Customary units of length, Customary units of weight, Customary units of liquid volume, Line plots, Metric units of length, Metric units of mass and liquid volume, Units of time, Problem solving - elapsed time, Mixed measures, Algebra - patterns in measurement units; Algebra: Perimeter and Area - Perimeter, Area, Area of combined rectangles, Find unknown measures, Problem solving - find the area.

### SCIENCE CURRICULUM FOR THIRD GRADE

The overall goal for science in third grade is for students to expand their base knowledge of living things, environment, Earth’s surface, space, matter, energy, and change. Students expand on scientific concepts through theoretical knowledge and practical application in monthly lab activities. Students demonstrate their knowledge and practice their skills through projects, tests, discussions, field trips, and lab reports.

Topics Covered	Skills Acquired
<b>Earth Science</b> Earth's Surface, The Earth in Space	Earth's Crust - What the crust is like, How the Earth's crust changes, Where soil comes from; Natural Resources - Energy resource, Conserving resources; Patterns in Earth's Atmosphere - Water Cycle, Daily weather changes, Climate; Solar System - Scientists tools, Solar system, Inner planets; Cycles and Patterns in Space - Cause of day and night, Phases of the Moon, Stars: Observing, Classifying, Inferring, Predicting, Communicating in written and oral forms, Measuring, Interpreting data, Experimenting, Controlling variables, Hypothesizing.
<b>Life Science</b> How Living Things Function, Living Things in Their Environment	Parts of Plants - How plants use their parts, Classifying plants, How plant parts help them survive; Classifying Animals - Vertebrates, Invertebrates, Animals of long ago; Living Things Grow and Reproduce - Plant life cycles, Animal life cycles, How living things vary; Survival of Living Things - Needs of living things, Competition, Adaptations, Changing habitats; Food Chains - How living things get energy, Different food chains: Observing, Classifying, Inferring, Predicting, Communicating in written and oral forms, Measuring, Interpreting data, Experimenting, Controlling variables, Hypothesizing.
<b>Physical Science</b> Matter, Energy and Change	Matter Changes- Physical Changes, Chemical Changes, Mixtures: How they are made, How mixtures are separated; Forms of Energy -How energy is stored and released, Waves, Electrical Energy; Heat, Temperature, and Light; Force and motion - How forces affect objects, How motion can be described, Simple Machines.

### SOCIAL STUDIES FOR THIRD GRADE

The overall goal for social studies in third grade is for students to discuss, compare, and contrast life in the United States with life in other countries and during other time periods. This includes historical knowledge of the origins of our country and specific historical milestones. Students also enhance their geographical skills through the study of maps and United States geography. Students demonstrate their knowledge and practice their skills through projects, tests, discussions, field trips, and writing activities. Students also attend the annual Geography Bee to prepare for participation in upcoming years.

Topics Covered	Skills Acquired
<b>Geography</b> Land, Resources and Climates; Communities (Review)	Understanding communities in the United States; Learning geography skills.

<p><b>Exploration</b> Columbus and United States, Explorers, Native Americans</p>	<p>Learning about Native American Communities; Learning about early America; Explorers and their contributions to the United States.</p>
<p><b>Transportation</b> Railroads, Cars, Planes</p>	<p>Understand different methods of travel in the world, Show how transportation changed in the United States</p>
<p><b>Government</b> State, Federal</p>	<p>Understand how our government works; The Declaration of Independence; Learning to be a good citizen.</p>
<p><b>Economics</b></p>	<p>Relationship between work and money; Importance of trade, resources and bartering.</p>
<p><b>Middle Ages and Renaissance, Civil War, World War II, 9/11</b></p>	<p>Understanding significant events in history.</p>