Second Grade Curriculum

Reading

- Decode words using letter/sound knowledge
- Use knowledge of word order and meaning, context clues, and pictures to identify unknown words
- Use structural clues, such as compound words, base words, syllables, and inflectional endings
- Acquire new vocabulary through a variety of reading experiences
- Identify words that name persons, places, or things, words that name actions, and words that describe
- Identify synonyms, antonyms, and multi-meaning words
- Use context clues and pictures to identify unknown words
- Use prior knowledge to understand what is read
- Predict outcomes
- Draw conclusions
- Identify cause and effect
- Identify and explain inferences
- Summarize a story
- Identify characters, settings, events, problems and solutions in a story
- Compare and contrast story elements
- Identify literary genres (fiction, realistic fiction, nonfiction, folk tales, fables, biography)
- Discuss similarities and differences in style and point of view in a variety of genres
- Participate in choral reading and read-aloud opportunities
- Read orally from familiar text with accuracy, expression, appropriate phrasing, and attention to punctuation, rate, and fluency
- Read silently for increasing periods of time
- Acquire information from nonfiction resources
- Use an index, picture dictionary, table of contents, and captions to gather information
- Categorize information

Listening/Speaking

- Listen responsively to stories and other texts read aloud
- Listen to gather information, solve problems, and appreciate literature
- Identify rhymes, repeated sounds, or onomatopoeia
- Follow multiple-step directions without repetition
- Choose and adapt spoken language according to audience, purpose, and occasion
- Ask and answer relevant questions
- Contribute to small or large group discussions
- Gain increasing control of grammar, such as subject-verb agreement, complete sentences, and correct tense usage
- Speak in front of a group of peers or other audience
- Speak in different settings to develop fluency, grammar, and self-confidence

Writing

- Practice cursive writing
- Write to record ideas and reflections for a variety of audiences
- Generate ideas for compositions
- Develop and publish drafts using established criteria
- Use more complex capitalization, punctuation, and spelling
- Edit drafts for spelling, grammar, punctuation, capitalization, and usage
- Use resources such as a dictionary to edit written words

Write for a variety of audiences
Write for a variety of purposes, such as lists, letters, stories, poems, book reports, and journals
Write informational text
Use singular and plural nouns and pronouns correctly
Use graphic organizers to recall, analyze, summarize, and evaluate information
Identify the most effective features of a piece of writing using criteria generated by the teacher and class
Take simple notes from relevant sources, such as classroom guests, informational books, and media sources
Alphabetize words to the second and third letter

Math

Number Operations and Quantitative Reasoning

Read, write, compare, and order whole numbers to 1,000
Determine the value of a collection of coins and bills
Name fractional parts of a whole
Construct models of equivalent fractions
Multiply whole numbers
Round to the nearest 10
Estimate sums and differences

Patterns, Functions, and Algebraic Thinking

Use patterns to make predictions and solve problems
Identify patterns in addition, subtraction, and multiplication
Generate a table of paired numbers

Geometry and Spatial Reasoning

Identify, describe, and classify 2D and 3D geometric shapes
Create and identify congruent shapes
Identify lines of symmetry
Locate and name whole numbers on a number line

Measurement

Measure length and area using non-standard units of measurement
Find the perimeter and area of a figure
Determine the capacity of a given container
Read a thermometer to gather data
Describe relationships between days in a week and hours in a day
Tell and write time using analog and digital clocks

Probability and Statistics

Collect, organize, record, and display data for pictographs, bar graphs, and line graphs
Interpret data from graphs

Problem Solving

Identify math in everyday situations
Use a problem solving model
Justify reasonableness
Use tools such as real objects, manipulatives, and technology to solve problems

Social Studies

History

Explain the significance of celebrations, such as Independence Day
Describe and measure calendar time

Create and interpret timelines
Name several sources of information about a given event
Compare various interpretations of the same time period
Identify contributions of state historic figures
Identify reasons people formed communities
Describe how individuals, events, and ideas have shaped communities over time
Discuss how people in a community meet their own needs

Geography

Use symbols, find locations, and determine directions on maps and globes
Draw maps to show places and routes
Identify major landforms and bodies of water on maps and globes
Compare information from different sources about places and regions
Identify ways people can conserve and replenish natural resources

Economics

Explain how work provides income
Explain choices people have in a free enterprise system
Identify roles of producers and consumers
Identify ways of earning, saving, and spending money

Government/Citizenship

Identify functions of government
Identify governmental services in the community
Compare roles of public officials
Identify ways that public officials are selected
Identify characteristics of good citizenship
Identify historic figures and ordinary people who exemplify good citizenship
Identify organizations that serve the needs of the community

Culture

Identify stories, statues, and other examples of local cultural heritage
Discuss personal cultural heritage and compare traditions

Science, Technology, and Society

Describe how science and technology have changed ways people meet their basic needs
Describe how science and technology have changed communication, transportation and recreation

Social Studies Skills

Obtain information from a variety of sources
Use tables of contents and glossaries to locate information
Sequence and categorize information
Identify main ideas, make predictions, and compare and contrast
Express ideas orally
Create written and visual materials
Use problem-solving and decision-making processes
Apply critical thinking skills

Science

Change

Observe, measure, and record changes, including weather, the night sky, and seasons
Observe, measure, record, analyze, predict, and illustrate changes in size, mass, temperature, color, position, quantity, sound, and movement

Identify and test uses of heat to cause change
Demonstrate and analyze the motion of an object that has been pushed or pulled
Identify changes in an object's position when a force is applied
Recognize that forces such as earthquakes, glaciers, and water can change the earth's surface

Living Organisms and Nonliving Objects

Identify characteristics of organisms and objects
Identify characteristics of organisms that allow their basic needs to be met
Compare the ways organisms depend on each other and on their environment
Identify that organisms need food, water, light, air, habitat, and appropriate temperature

Processes of the Natural World

Describe the water cycle
Identify uses of natural resources
Explain how rocks, soil, and water are used
Identify ways that natural resources can be recycled

Adaptations

Analyze how adaptive characteristics help individuals survive

Scientific Investigation and Research

Follow safety procedures while participating in classroom and field investigations
Practice the use and conservation of resources

Scientific Inquiry and Critical Thinking

Ask questions about organisms, objects, and events
Plan and conduct simple descriptive investigations
Compare results of investigations with what they know about the world
Explain a problem and identify a task and solution related to the problem
Determine reasonable explanations using information and draw conclusions
Construct simple graphs, tables, maps, models, and charts to organize information
Use tools including hand lenses, balances, customary and metric rulers, clocks, computers, and thermometers to gather information
Measure and compare objects and organisms using standard and nonstandard measurements
Use a scientific problem-solving format
Discuss the contributions of scientists
Demonstrate that repeated investigations may increase reliability

Properties, Patterns, and Systems

Identify, predict, replicate, and create patterns including those in charts, graphs, and numbers
Recognize that systems have parts and are composed of organisms and objects
Manipulate objects so that the parts are separated from the whole which may result in the part or the whole not working
Classify organisms, objects, and events based on properties and patterns
Identify and predict parts that when put together can do things they cannot do by themselves