Second Grade

Curriculum

Standards

**Your child is also being instructed**

**in Technology, P.E., Health,**

**and Music.**

Science

**By the end of Grade 2, the student will be able to:**

* Make observations, record, and interpret data.
* Measure in standard and non-standard units.
* Apply the concepts of past, present, and future.
* Identify shape and use of objects.
* Identify questions to be investigated.
* Make observations,
* Analyze information and evidence,
* Communicate observations.
* Practice cooperation and interaction skills,
* Follow multi-step instructions,
* List properties of an object.
* Explain how force affects the position and motion of objects.
* Identify four basic needs of all living things (food, shelter, water, space).
* Discuss how animals are suited to live in different habitats
* Describe the characteristics of different weather conditions
* Compare and contrast man-made and natural environment
* Identify tools people have invented for everyday life and for scientific investigations

Language Arts *I* Reading

**By the end of Grade 2, the student will be able to:**

* Locate information using alphabetical order to the second letter.
* Identify titles, tables of contents, and chapter headings to locate information.
* Use information from simple graphs, charts, and diagrams.
* Use word patterns and/or word families to decode words in isolation and in context.
* Identify chunks or small words to decode two and three syllable written words.
* Read at least 300 regular and irregular sight words fluently.
* Identify simple prefixes, contractions, and suffixes to determine the meaning of unknown words.
* Use words and concepts necessary for comprehending math, science, social studies, literature, and other Grade 2 content area text.
* Tell the purpose for reading different kinds of text, including paragraphs.
* Identify the main idea, problem, and solutions in expository text to support comprehension.
* Answer questions (who, what, when, where, why, how) about expository text, heard or read.
* Identify differences in fiction or nonfiction.
* Orally identify and describe the characters in a story that is read aloud.
* Retell basic plots of literacy.
* Generate ideas using prewriting strategies.
* Use ideas generated and organized in prewriting to write a draft that includes a main idea and details.
* Revise writing by adding, substituting, or retelling text. Use strategies to guide the revision process (peer conference, teacher conference, rubrics).
* Edit the draft for errors in simple spelling, capitalization, and punctuation.
* Publish and illustrate a draft.
* Write narratives based on personal experiences that contain a main idea.
* Participate in writing a friendly letter.
* Print with functional speed and maintain legibility. Spell correctly Grade 2 high-frequency words.
* Apply spelling rules appropriate to grade level to spell accurately.

Mathematics

**By the end of Grade 2, the student will be able to:**

* Demonstrate knowledge of our numeration system by counting forward by twos, fives, and tens to 100 and by counting forward and backward by ones from any given number less than 100.
* Read, write, compare, and order whole numbers to 1,000.
* Identify place value through 999.
* Count the value of a collection of pennies, nickels, dimes, and quarters up to $1.00.
* Recognize mathematical information and select strategies appropriate for solving a problem.
* Use strategies for addition and subtraction combinations through 18.
* Add whole numbers with and without regrouping through 99.
* Add three one-digit addends.
* Estimate to predict the sum of numbers through 99.
* Select a tool that can measure a given attribute (ruler—length, cup— volume, balance— weight, clock—time, thermometer— temperature).
* Estimate length and time using standard units.
* Select the most appropriate unit to measure the time of a given situation (minutes, hours).
* Recite the months of the year, in order.
* Write addition and subtraction problems vertically and horizontally.
* Show the relationship between addition and subtraction using fact families.
* Compare numbers to 999 using the vocabulary words/phrases of less then, greater than, equal to.
* Solve addition problems using the commutative property (If 7 + 5=12, then what is 5+7?).
* Translate a repeating pattern from one representation to another (e.g., even, odd, even, odd translates to ABAB).

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* Recognize name, build compare, and sort the two- and three-dimensional shapes of triangles, rectangles, squares, circles, cones, cubes, spheres, cylinders, and pyramids.
* Sort and classify objects by more than one attribute.
* Indicate whether a number is above or below a benchmark number of 1000 or less on a number line.
* Interpret information found in simple tables, charts, bar graphs, and pictographs.
* Gather and display data in tables, charts, and bar graphs in order to answer a question.
* Use appropriate vocabulary.
* Choose addition or subtraction to solve word problems and explain the choice.
* Tell time using both digital and analog clocks to the half hour.
* Write a number sentence from an addition or subtraction problem-solving situation,
* Use tally marks to represent data.