

## Math:

By the end of first grade, your child should be able to:

### Mathematical Practices

- Explain thinking and understand the reasoning of others.
- Make sense of problems and persevere in solving them.
- Work accurately using appropriate tools.
- Look for and make use of patterns.

### Skills Overview

- Develop understanding of addition and subtraction strategies for word problems with sums up to 20.
- Develop understanding of adding 3 numbers with sums up to 20 .
- Count by 2s, 5s, and 10s to 100.
- Fluently add and subtract digits up to 10 (using counting on, making ten, and doubles).
- Use place value of 2 digit numbers to order, compare, read and write numbers.
- Add and subtract a two digit and one digit number.
- Compare length of 3 objects.
- Tell and write time in hours and  $\frac{1}{2}$  hours.
- Understand information on a simple graph or chart.
- Describe, name, and compare 2 and 3 dimensional shapes.
- Develop understanding half of, fourth of, and quarter of using circles and rectangles.



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## Science:

First grade students use inquiry skills (questioning, investigating, observing, gathering and using data, and communicating explanations and outcomes) to learn and apply science.

Specific units taught:

- ocean
- solar system
- plants

By the end of first grade your child should be able to:

- Identify the properties of a solid, liquid, and gas.
- Understand information about daily seasonal changes.
- Understand events that have repeating patterns (day/night).
- An object's position or movement can be changed by pushing/pulling.
- Understands the characteristics of living and nonliving things.
- Understands life cycles of plants and animals.
- Understands basic needs of plants and animals.
- Understands how plants and animals survive and interact with each other in their distinct environments.

## Literacy:

By the end of first grade your child should be able to:

- Identify details and main idea of a story, and retell, using characters and setting.
- Use different comprehension strategies.
- Identify the feelings expressed in the story, identify the difference between fiction and nonfiction, and who is telling the story.
- Use illustrations and details in a story to describe its characters, setting or events.
- Compare and contrast the adventures and experiences of characters in stories.
- With prompting and support, read prose and poetry of appropriate complexity for grade 1.
- Ask and answer questions to help determine or clarify the meaning of words and phrases in a text.
- Identify and use various text features (e.g., headings, tables of contents, glossaries, electronic menus, icons) to locate key facts or information in a text.
- Distinguish between information provided by pictures or other illustrations and information provided by the words in a text.
- Use the illustrations and details in a text to describe its key ideas.
- Identify the reasons an author gives to support points in a text.
- Identify similarities and differences in two texts on the same topic.
- With prompting and support, read informational texts appropriate for grade 1.
- Demonstrate understanding of the organization and basic features of print (features of a sentence: capitalization, punctuation)
- Identify syllables, long and short vowels, take apart and join sounds in words,
- Apply first grade phonics rules, such as final e and letter combinations, and identify words with endings
- Read at a good rate, with expression, and accurately.
- Write opinion pieces about a topic or book
- Write informative texts
- Write narratives with sequenced events, Use Writers Workshop elements (editing from others)
- Write reports.
- Participate in large and small group conversations about topics in a democratic manner (asks and answers questions, reports to class using visuals, and recites familiar poems, etc.)
- Use correct English grammar, capitalization, punctuation and spelling.
- Determine meanings of words and word relationships
- Sort words into categories in writing or speaking.