

## Math:

### Mathematical practices:

- Makes sense of problems and perseveres in solving them.
- Explains thinking and understands the reasoning of others.
- Works accurately using appropriate tools.
- Looks for and makes use of patterns.

### Third Grade Math Skills

- Uses place value through 999,999 to order, compare, read, and write numbers.
- Rounds whole numbers to the nearest ten or hundred and uses to estimate addition and subtraction problems.

- Uses addition and subtraction in problem situations with fluency.
- Knows and uses multiplication and division fact families.
- Solves problems involving addition, subtraction, multiplication, and division.
- Develops an understanding of fractions and use them to order, compare, read, and write fractional parts.
- Tells and writes time to the nearest minute, and measure intervals of time in minutes.
- Measures and estimates objects using standard and metric units.
- Solves problems by collecting, organizing, displaying, and interpreting sets of data with charts and graphs.
- Uses formal geometry vocabulary for different shapes, angles, symmetry, and congruency.



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## Science

Third grade students use inquiry skills (questioning, investigating, gathering and using data, developing explanations and outcomes) to learn and apply science concepts.

Specific units include:

- Measurement
- Plants & Animals
- Solar System
- Water

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

- Understand and apply knowledge of the metric system (length, mass, volume, and temperature).
- Understand and apply knowledge of organisms (plants and animals) and their environments.

- Understand the structures, characteristics, and adaptations of plants and animals that allow them to function and survive within their habitat.
- Understand and apply knowledge of the properties, movements, and locations of objects in our solar system.
- Understand and apply knowledge of the properties of water.
- Understand and apply knowledge of states of matter.

## Reading

- Reads and understands grade level text independently and proficiently.
- Reads fluently at grade level and understands grade level words.
- Employs comprehension strategies.
- Distinguishes cause and effect, fact and opinion, main idea, and supporting details.
- Uses phonics, context clues, and other strategies to decode words.

## Writing

- Uses the writing process.
- Writes an opinion paper, a personal narrative, and a research paper on grade level.
- Uses capital letters and punctuation correctly.
- Writes in complete sentences.
- Uses proper grammar in writing and speaking.

## Speaking and Listening

- Participates in classroom discussion on topic in small and large groups.
- Speaks clearly and appropriately on topic.
- Listens and is able to answer questions appropriately.