

GENERAL STUDIES

1st GRADE

MATH

Computation

The students will:

- Know addition and subtraction facts to 10 using manipulatives, number line and counting forward or backward.
- Know the meaning of symbols: + - = > <.
- Be able to skip count by 2, 5, and 10 to 100.
- Be able to write and solve addition and subtraction problems to the sum of 18.
- Count from 1-100 by 2s, 5s and 10s.
- Recognize one to one correspondence of 0-20 objects.
- Order numbers through 20.

Problem Solving

The students will:

- Tell, write, and solve story problems using addition and subtraction.
- Select the appropriate operation for a given problem.
- Solve problems which require sorting, patterning, and classifying.

Ratio/Proportion/Percent

The students will:

- Introduce concepts of half, whole, quarter, third.
- Recognize equal parts using patterns blocks and other manipulatives.

Measurement

The students will:

- Solve problems using standard and non-standard units.
- Use a ruler and a scale.
- Tell time to the hour and half-hour, quarter hour using analog and digital clocks.
- Recognize and count to one dollar using pennies, nickels, dimes, or quarters and make change.

Algebra

The students will:

- Find missing addends in addition and subtraction sentences and in story problems.
- Explore how addition and subtraction relate (fact families, number pairs).

Geometry

The students will:

- Recognize and sort by attributes, squares, rectangles, triangles, circles, diamonds, and ovals.
- Investigate the combination of geometric shapes (shapes within a shape).
- Complete symmetric designs using multiple pattern blocks.

Data Collection/Analysis

The students will:

- Interpret picture and bar graphs.
- Relate tally marks to frequency up to 00.
- Use pictures and symbols to group and characterize objects.
- Collect and record data in Venn diagrams and graphs.

Number Sense

The students will:

- Use words and symbols for size, amount, and position ($>$, $<$, most, least, first, second, third, between).
- Know place value to 00.
- State reasonable estimate and predictions for problems.
- Count recognize, write, order, and compare numbers.

LANGUAGE ARTS/READING

Reading

The students will:

- Understand how to read books orally at a beginner level.
- Apply reading strategies to read and talk about books.
- Evaluate books to make varied choices: poetry, biography, non-fiction and fiction.
- Interpret pictures, charts and graphs.
- Understand what is being read to them regardless of the genre.
- Identify the story structure when being read to.
- Apply mechanics of reading.
- Read independently, fluently, and with expression.

Communication

The students will:

- Demonstrate the ability to communicate verbally.

- Follow written and aural directions.

Writing

The students will:

- Apply phonetic strategies for spelling.
- Analyze the meaning of a drawing.
- Apply understanding that print carries a message.
- Apply knowledge of alphabet symbols to write.
- Create original stories and poems.
- Apply simple story structure to writing.
- Apply the use of details to enhance story writing and other writing strategies.
- Begin to apply writing strategies to own writing using appropriate spelling, grammar and sentence structure.

SCIENCE

Sun, Moon and Constellations

The students will:

- Identify bodies in the sky by size, shape, color, brightness and movement..
- Explain how days and nights are different.
- Explain why we need the sun.
- Identify what the moon and the stars are like.
- Identify the star pictures that can be made.

Human Body

The students will:

- Identify the five senses.
- Identify the sounds heard and sights seen.

Solids, Liquids, and Gasses (FOSS)

The students will:

- Explore a number of different solid materials.
- Describe properties of solid materials.
- Recognize solids as different from other states of matter.
- Sort solids by their properties.
- Describe how the properties of solid materials can have specific uses in construction.
- Observe the properties if a variety of liquid materials.
- Record information about properties of liquids.
- Play games to practice vocabulary associated with liquids.

- Investigate and record the level nature of liquid as it flows from one stable position to another.
- Investigate the appearance and behavior of liquids in containers.
- Develop definitions of solids and liquids based on their observations and comparisons.
- Experience solid materials as pieces, grains, and particles.
- Observe the behavior of small solids in various settings.
- Combine and separate solid materials of different particle sizes.
- Compare the behavior of solids and liquids in similar settings.
- Observe what happens when solids and water are mixed and when liquids and water are mixed.
- Organize observations of mixtures.
- Conduct an investigation to determine if toothpaste is a solid or liquid.

New Plants (FOSS)

The students will:

- Develop a curiosity and interest in plants as living things.
- Experience some of the diversity of forms in the plant kingdom.
- Provide for the needs of growing plants.
- Observe and describe the changes that occur as plants grow and develop.
- Become familiar with the structures and functions of flowering plants.
- Discover various ways that new plants can develop from mature plants.
- Compare change over time indifferent kinds of plants.
- Organize and communicate observations through drawing and writing.
- Acquire the vocabulary associated with the structures of plants.

SOCIAL STUDIES

First Americans

The students will:

- Compare and contrast the Native American lifestyle to Morris County today.
- Evaluate how Native Americans made use of renewable and non-renewable resources.
- Know how a community allocates resources.
- Understand how people interact with the world.

Me and My World

The students will:

- Demonstrate the ability to differentiate between sharing and respecting classroom materials and classmates personal belongings.
- Identify examples of him or herself working to benefit their school, family, group and community.
- Know how a community allocates resources.

- Understand how people interact with the world.
- Identify geographical locations of particular cultures on world maps.

Citizenship

The students will:

- Comprehend the qualities of an American citizen.
- Know the symbols (US flag, bald eagle, Statue of Liberty) that represent America and understand patriotic rituals (Pledge of Allegiance, 4th of July, Washington's Birthday, parades).
- Evaluate the importance of coins and bills.
- Know the symbols and presidents found on coins and bills (penny, nickel, dime, quarter and one dollar bill).
- Understand the significance of specific holidays to our country's history or certain culture.