

GENERAL STUDIES KINDERGARTEN

MATH

Computation

The students will:

- Count forward to 100 by 1s, 5s, and 10s and to 10 by 2s.
- Recognize one-to-one correspondence of 0-20 objects.
- Order numbers through 20.
- Know the meaning of more, less, and equal.
- Solve simple addition problems.
- String simple numbers together.

Problem Solving

The students will:

- Recognize patterns and sequences using a calendar.
- Find day and ordinal numbers on a calendar.
- Copy, extend, and invent original patterns.
- Sort and classify objects.
- Work basic word problems.

Ratio/Percent/Proportion

The students will:

- Compare two or more quantities.
- Distinguish between halves and wholes.
- Identify quantity to represent numbers in sets.

Measurement

The students will:

- Measure with non-standard units.
- Recognize time to the hour.
- Use a variety of scales.
- Order objects by size.

Geometry

The students will:

- Identify and describe the properties of squares, rectangles, triangles, ovals, pentagons, and circles.
- Identify a rectangle, circle, square, equilateral triangle, octagon and hexagon.

- Draw the symmetrical other half of a given picture.
- Use a template to make a pattern.

Data Collection/Analysis

The students will:

- Construct and interpret bar graphs using objects and interpret tall marks by 5 up to 30.
- Understand surveys.

Number Sense

The students will:

- Estimate and predict sets of objects.
- Understand place value to 1-100.
- Use the words and symbols for size, amount, and position (greater than, less than, most, least, first, third, between).
- Count, recognize, write, order, and compare numbers.
- Identify and know amount of coins: penny, nickel, dime, quarter.

LANGUAGE ARTS/READING

Reading

The students will:

- Interpret pictures, charts and graphs.
- Understand that a book has a story and a message.
- Understand the different kinds of books.
- Identify the story structure when being read to.
- Show eagerness to begin reading.

Communication

The students will:

- Demonstrate ability to communicate verbally.
- Follow written and aural directions.
- Dramatize stories and experiences.

Writing

The students will:

- Apply writing strategies to convey meaning.
- Use vocabulary of print (i.e. word, alphabet, letters).
- Understand benefits of communicating ideas in written form.
- 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.
- Use sight vocabulary to build sentences.

Comprehension

The students will:

- Predict beginning, middle, and end of a story.
- Categorize items relevant to a story.
- Restate a story.
- Locate high frequency words.
- Locate specific items in an illustration.

SCIENCE

Sunshine, Shadows, and Seasons

The students will:

- Identify the three things needed to produce a shadow.
- Understand how shadows are formed.
- Compare silhouettes.
- Understand the relationship between shadow, size, and distance between the object and the light source.
- Identify the kinds of objects that light can pass through and those which light cannot pass.
- Understand the changes in a shadow from morning to midday to afternoon.
- Understand that some shadow changes are caused by changes in the position of the sun.
- Identify the affect of the sun's movement on causing seasons.

Tree Unit (FOSS)

The students will:

- Observe trees in the schoolyard.
- Identify the parts of the tree.
- Compare trees for similarities and differences.
- Help plant and care for a tree.
- Develop language associated with trees.
- Observe the size, shape, texture, and colors of tree leaves.
- Compare the shapes of leaves to common geometric shapes.
- Compare the sizes and edges of leaves.
- Communicate the similarities and differences they observe.
- Observe seasonal changes in the life of schoolyard trees.
- Observe the structures of twigs, flowers, fruits, seeds, and bark of trees.
- Observe changes in parts of trees through the seasons.

- Communicate observations and comparisons of schoolyard trees.

Wood and Paper (FOSS)

The students will:

- Gain experience with a common material, wood.
- Observe different kinds of wood.
- Compare properties of different wood found in the classroom environment.
- Communicate observations made about different kinds of wood.
- Learn that wood comes from different kinds of trees.
- Observe how wood interacts with water.
- Transform the shape of wood using sandpaper.
- Create wood products using glue and starch to make plywood and particleboard.
- Assemble wood in sculptures.
- Observe properties of several different kinds of paper.
- Label the different papers found in the school environment.
- Compare different kinds of paper as they are cut or torn.
- Determine the usefulness of different kinds of paper for writing and drawing.
- Compare and communicate the number of times different paper can be folded in half.
- Observe how paper and water interact.

SOCIAL STUDIES

All About Me

The students will:

- Express personal feelings about the first day of school.
- Explain that each person has unique feelings.
- Demonstrate how to greet another person.
- Recognize their own name in print.
- Identify school days and other days of the week.
- Put the days of the week in proper sequence.
- Define ways to be a friend.
- Recognize that conflicts can be resolved peacefully.

Families

The students will:

- Define a family.
- Discuss roles of family members, and how members help one another.
- Use directional terms.
- Explain how people change over time.
- Describe rules at home.

Neighbors

The students will:

- Distinguish between near and far.
- Identify the importance of neighbors working together.
- Participate in a cooperative activity.
- Identify neighborhood helpers.
- Identify places in a neighborhood.

Everyone Has Needs

The students will:

- Discuss what people and animals eat.
- Discuss the importance of food for people.
- Identify the places where people get the things they need.
- Discuss how needs vary among people/animals.
- Explain the concept of buying and selling.
- List tools people use to prepare food.
- Describe place people live.
- Explain why people wear clothing.
- Describe animal homes.
- Explain reasons why animals need shelter.
- Describe systems within a house or building.

Tools

The students will:

- Identify tools and their uses.
- Classify information about tools.
- Identify tools particular workers use.
- Distinguish between tools of past and present.
- Identify sounds of tools.

Wishes

The students will:

- Distinguish between needs and wants.
- Identify a personal goal.
- Describe a wish for the well being of others.

Places Near and Far

The students will:

- Observe and describe surroundings.
- Use location terms.

- Use directional terms.
- Describe different locations.
- Identify places and animals on a farm.
- Learn about a library.
- Describe elements and activities in a city.
- Distinguish between city and country.
- Describe elements of city streets using five senses.
- Recite their own home address.
- Describe different geographic locations.

A Time for All

The students will:

- Discuss patriotic symbols for state and nation.
- Compare short time and long time.
- Place events in sequence.
- Explain the use of clocks.
- Discuss important state and national holidays and special yearly events.
- Review seasons of the year.
- Use and interpret symbols.