



Dear Parents,

In Mathematics, your child will work to answer the following questions through exploration of these ideas and concepts:

How does counting help me solve problems?

- Count to at least 100 by ones, tens, and fives.
- Count up to at least 100 beginning from any given number.
- Read, write and represent numbers at least to 20.
- Count to tell the number of objects, pairing each object with one number name (may touch and count each object).
- Understand the next number is one larger than the number before.
- Identify whether the number of objects in one group is *greater than*, *less than*, or *equal to* the number of objects in another group.
- Compare two numbers between 0 and 20.
- Count objects in a variety of arrangements and quickly identify the number of items in a set without counting.

How can I solve problems and represent my thinking?

- Represent problem solving by using objects, fingers, mental images, sounds, acting out situations, drawings, and equations.
- Use objects, drawings, and equations to represent how we can break numbers, up to 10, apart.
- Find the numbers that make 5 and 10 when added to a given number.
- Develop fluency for adding and subtracting within 10 using a variety of strategies and manipulatives.
- Understand that the numbers 11-19 are made up of a group of ten ones and some more ones.

Why do I compare and classify objects?

- Classify, sort, and count objects using both measurable and non-measurable attributes
- Describe and compare measurable attributes of objects such as: length, weight, height, and temperature

How are shapes the same and how are they different?

- Describe objects in the environment using names of shapes and the positions of object.
- Correctly name shapes, regardless of the direction or overall size of the shape.
- Model shapes in the world by building and drawing shapes.
- Compose simple shapes to form larger shapes. (Ex: "Can you join these two triangles with full sides touching to make a rectangle?")
- Analyze and compare two and three-dimensional shapes: describe their similarities, differences, parts and other attributes (Ex: number of sides, number of corners, having sides of equal length)

In Science, your child will continue to answer the following questions through exploration of ideas and concepts about *Interdependent Relationships in Ecosystems: Animals, Plants and their Environment*:

Where do organisms live and why do they live there?

- Living things need water, air, and resources from the land.
- Organisms live in places that have the things they need.

How can plants/animals change (use) their environment to meet their needs?

- Animals get their food from plants and other animals.
- Plants and animals can change their environment.
- Living things need water, air, and resources from the land.
- Humans use natural resources for everything they do.

How can we reduce our impact on land, water, air, and other living things?

- Things that people do to live comfortably can affect the world around them.
- We can make choices that will reduce our impacts on the land, water, air, and other living things.