



**Dear Parents,**

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

***How do we count?***

- Count to at least 20 by ones.
- Count up to at least 20 beginning from any given number.
- Read, write and represent numbers at least to 5.
- 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.
- Count objects in a variety of arrangements and quickly identify the number of items in a set without counting.

***What happens when we combine groups and what happens when we take groups apart?***

- Explore problem solving using objects, fingers, mental images, sounds, and by acting out simple adding and subtracting situations
- Use objects to represent how we can break numbers (up to 5) apart (*EX: 4 can be broken into 1 and 3, 2 and 2, etc.*)

***How do we sort (classify) objects?***

- Sort objects into given categories and count the number of objects in each category.
- Describe attributes of objects such as: size, number, color, shape, length, weight, height, and temperature

***What is a shape?***

- Describe objects in the environment using names of shapes.
- Describe the positions of objects using terms such as *above, below, beside, in front of, behind, and next to*.
- Correctly name shapes, regardless of the direction or overall size of the shape.
- Identify shapes as two-dimensional (flat) or three dimensional (solid).

**In Science, your child will work to answer the following questions through exploration of ideas and concepts in *Communicating in Science* and *Weather and Climate*:**

***How can my 5 senses help me make observations in Science?***

- Asking questions, making observations, and gathering information can help us learn about the world around us.
- We ask questions about the world every day.
- Scientists use different ways to study the world and look for patterns when making observations about the world.

***What is the weather like today and how is it different from yesterday?***

- Weather is the combination of sunlight, wind, snow, rain, and temperature in a particular region at a particular time.
- People measure these conditions to describe and record the weather and to notice patterns over time.
- Sunlight warms Earth's surface.
- Patterns in the natural world can be observed, used to describe phenomena, and used as evidence.