



Dear Parents,

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

How can I represent my thinking when solving addition/subtraction problems?

- Solve word problems by adding and subtracting (within 20) using objects, drawings and equations.
- Add and subtract within 20: use a variety of strategies to compose and decompose numbers within 10.
- Understand the meaning of the equal sign and determine if equations involving addition and subtraction are true or false.
- Count to 120, starting at any number less than 120.

How can I use charts and graphs to represent information (data)?

- Organize and represent data using tally tables, picture graphs and bar graphs.

What are the attributes of shapes?

- Distinguish between defining attributes (*Ex: triangles have three sides*) versus non-defining attributes (*Ex: color, orientation, overall size*).

In Science, your child will work to answer the following questions through exploration of ideas and concepts about *Space Systems* and will begin to answer questions and explore ideas and concepts about *Structure, Function, and Information Processing - Animals and Plants*:

What objects are in the sky and how do they seem to move?

- The Sun appears to rise in one part of the sky, move across the sky, and set.
- The moon has a pattern which can be observed through its changing phases.
- Stars, other than our sun, are visible at night but not during the day.

How can we describe and predict patterns of objects in the sky?

- Observations can be used to describe patterns in the natural world in order to answer scientific questions.
- Patterns in the natural world can be observed, used to describe phenomena, and used as evidence.
- Seasonal patterns of sunrise and sunset can be observed, described, and predicted, and can determine the amount of daylight (longer periods of sunlight in summer, less sunlight in winter).

How are parents and their offspring similar and different?

- Young animals and plants are very much, but not exactly, like their parents.
- Individuals of the same kind of plant or animal are recognizable as similar, but can vary in many ways.