

Dear Parents,

During the 2nd nine weeks, we will observe and describe the ways objects move, explore with magnets, observe and describe the location of objects in relation to one another, identify the repeating patterns of day and night and the seasons of the year, observe, describe, and illustrate objects in the sky, and observe and describe weather changes.

Student Expectations:

The student is expected to observe and describe the location of an object in relation to another such as above, below, behind, in front of, and beside; AND observe and describe the ways that objects can move such as in a straight line, zigzag, up and down, back and forth, round and round, and fast and slow. The student is also expected to explore interactions between magnets and various materials. The student is expected to identify events that have repeating patterns, including seasons of the year and day and night; AND observe, describe, and illustrate objects in the sky such as the clouds, Moon, and stars, including the Sun. The student is expected to observe and describe weather changes from day to day and over seasons.

Key Concepts:

- Objects can be above, below, behind, in front of, or beside other objects.
- Objects can move in straight lines, zigzags, up and down, back and forth, round and round, or fast and slow.
- We can observe and describe the location and movement of everyday objects, including in school, at home, or outside.
- Magnets can be used to explore the properties of materials.
- Magnets will be attracted to magnetic materials such as iron, which is a metal. Magnets will not be attracted to nonmagnetic materials such as plastic, rubber, or wood.
- Magnets can join together or push each other apart.
- Day and night happen in a repeated sequence.
- Seasons happen in repeated patterns, and usually include summer, fall, winter, spring.
- We can observe and describe objects in the sky, such as clouds, Moon, stars, and the Sun.
- The weather is different from day to day.
- The weather is different from season to season.
- We can observe and describe changing weather conditions such as differences in cloud cover, temperature, and precipitation levels.

Fundamental Questions:

- What observations can we make to describe the location of an object in relation to another object?
- What observations can we make to describe the movement of an object?
- What kinds of objects are attracted to a magnet and what kinds of objects are not attracted to a magnet?
- What are the properties of objects that are attracted to a magnet?
- What happens when two magnets are placed next to one another?
- What is the pattern in the day and night cycle?
- What is the sequence of the seasons?
- What different objects can we see in the sky during the day or at night?
- What observations can we make about changes in day to day weather and the seasons?
- How can we describe the weather we see every day?
- How can we describe the different weather conditions found in each season?

If you have any questions, please contact your kindergarten team and happy investigating!

Kindergarten Team