

Greetings, Family!

Our science class will learn about the seasons in our next unit, “Earth Science.” The children will learn how weather, plants, and animals change with the seasons and what causes the changes. They will investigate how the movements of Earth and the Moon cause patterns throughout the year. The children will understand that stars have different sizes, brightness, and patterns.

You can make science come alive for your child by watching for changes in the sky with him or her from day to day. Observe changes in weather, clouds, and temperature. Follow weather reports and forecasts. Go outside on a clear night and observe what can be seen in the night sky. Describe the Moon’s shape and the physical attributes of stars—size, brightness, and patterns.

For this unit, we’ll be doing some hands-on activities about patterns in our surroundings, using the materials listed below. Can you donate or loan any of these items? If so, we need to receive your items by _____.

- plastic thermometers
- soil
- different fabrics
- markers
- metric rulers
- masking tape
- black construction paper
- cardboard

Thank you very much for your help!



The Georgia Performance Content Standards covered by this unit are:

S2E1a Describe the physical attributes of stars—size, brightness, and patterns.

S2E2a Investigate the position of the sun in relation to a fixed object on earth at various times of the day.

S2E2b Determine how the shadows change through the day by making a shadow stick or using a sundial.

S2E2c Relate the length of the day and night to the change in seasons (for example: Days are longer than the night in the summer).

S2E2d Use observations and charts to record the shape of the moon for a period of time.

S2E3a Recognize effects that occur in a specific area caused by weather, plants, animals, and/or people.