



# Kindergarten Science

## Weather and Climate

Dear Families,

Here is what your child is learning in kindergarten, during the study of Weather and climate with some specific ways you can help. Look for additional newsletters for upcoming units.

### In this unit students will:

- Understand that weather is a combination of sunlight, wind, snow or rain, and temperature in a particular region at a particular time.
- Learn that people measure these conditions to describe and record the weather and to notice patterns over time.
- Learn that weather scientists forecast severe weather so that the communities can prepare for and respond to these events.
- Ask questions, make observations, and gather information
- Identify that sunlight warms Earth's surfaces

### Essential Questions:

- How can weather patterns and conditions change over time?
- How do weather patterns and conditions connect to the different seasons?
- What types of severe weather occur in our region?
- What is the effect of the sun on Earth's surfaces?
- Why is one surface cooler/ warmer than another?
- How does shade effect the temperature of a surface?
- Why does shade have that effect on the various surfaces?

### Key Vocabulary

Weather- the state of the atmosphere with respect to wind, temperature, cloudiness, moisture, pressure

Climate- the composite or generally prevailing weather conditions of a region

Forecast- to predict or calculate the weather in advance

Observe- to regard with attention, especially so as to see or learn something

Predict- to declare or tell in advance

Temperature- a measure of the warmth or coldness

- cool
- warm
- hot

### Ways FAMILIES Can Help

- Check the weather online with your child
- Talk about the weather and appropriate clothing to wear and weather gear to use
- Read books about the weather
- Pretend to be a weather forecaster with your child and predict tomorrow's weather