

Unit 1: Building Strong Communities

WEEK 4 Lesson 2

Science and Engineering

What is a Meteorologist?









































S & E Big Ideas	Meteorologists and other people study and track the weather.
S & E Guiding Questions	What is a meteorologist? How can I track the weather?
Content Objective	I can ask a question about what I notice to get more information. (Practice 1) I can analyze weather data. (1-ESS1-2)
Language Objective	I can describe the weather. (SL.1.4)
Vocabulary	meteorologist: A scientist who studies the weather weather conditions: the state of the weather, such as temperature, cloud type, rainfall, and wind speed and direction
Materials and Preparation	<ul style="list-style-type: none">● weather calendar template, 1 copy per child● Weather Calendar Procedure, several copies to share● Maine Blizzard Weather Report Link: https://www.youtube.com/watch?v=EYY5EIRChX4● projector● Teacher Science Journal, for recording children’s observations● colored pencils● Sci Show-Be a Weather Watcher https://www.youtube.com/watch?v=Uo8lbeVVb4M&feature=youtu.be
Opening 5 minutes	<i>Weather impacts our lives each day. Knowing what the weather will be like each day helps us decide what to wear and what we will do. Meteorologists are scientists that study the weather. Let’s watch the Sci Show video to learn more about what meteorologists do.</i>

<p>Discussion 15 minutes</p>	<p>Watch the Maine Blizzard Weather Report video.</p> <p>Children make observations as they watch the Maine Blizzard report. Facilitate a discussion using the following prompts:</p> <ul style="list-style-type: none"> • <i>What does the weather report tell us?</i> • <i>What tools did the meteorologist use?</i> • <i>How can this help people in my community?</i> <p><i>Over the next couple of weeks, we will be meteorologists. We will collect information about weather conditions and try to understand how and why the weather changes.</i></p> <p><i>To begin our work as meteorologists, we'll ask this question: What is the weather today?</i> <i>What might we do to answer this question? [look out the window, go outside]</i></p> <p>Introduce the Weather Calendars to the children and model entering the first observations on the calendar.</p> <p>Sci Show-Be a Weather Watcher Use this video to recap the learning objectives and to answer the guiding questions.</p>
<p>Closing 5 minutes</p>	<p><i>At the Science Literacy Station you will make your own weather calendar to keep track of the information we gather.</i></p> <p>Show the weather calendar template.</p> <p><i>I've created a model and written a procedure for you, so you'll remember just what you need to do when you work on your own at the station.</i></p>
<p>Standards and Practices</p>	<p>K-ESS2-1: Use and share observations of local weather conditions to describe patterns over time.</p>
<p>Ongoing assessment</p>	<p>Reflect on children's understanding of the weather. What connections do they make between air and weather? What weather conditions do they describe? Which weather vocabulary do children already know? Which words are new?</p>

<p>Notes</p>






What's the Weather?

Month: _____

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday
							
							
							
							
							

What's the Weather?

Month: September

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
				1	2	3
4	5 62° 	6 56° 	7	8 64° 	9	10
11	12	13 58° 	14	15	16 63° 	17
18	19	20	21	22	23	24
25	26	27	28	29	30	

Weather Calendar Procedure

To set up the calendar:

1. Write the name of the month.
2. Fill in the numbers for each day of the month in the corner of each box.

Each time you complete the calendar:

1. Talk with a classmate about today's weather.
2. Find today's date.
3. Write the temperature.
4. Draw a *symbol* to show weather conditions.

Examples of symbols:

