

Daily Weather Observations



Field Based
Investigations

Use this tool if you are interested in asking investigation questions like:

1. What is the weather like where I live?
2. How does the weather change on a weekly and/or monthly basis?

We will gather data about:

1. daily and monthly weather.
2. seasonal changes in weather if you use the monthly data collection table.

Why conducting daily weather observations is important to socio-ecological systems?: The species and landscapes found in places are closely tied to the weather and climate of that place. Weather describes the day to day variations of the atmosphere, while climate is the average of weather conditions over a long period of time (usually 30 years). Weather patterns not only shape land through erosion, but also the behavior of plants, animals and humans! Insects may burrow under the ground on hot days and plant germination is related to temperature and moisture. By observing weather patterns, we can see how species and the physical environment on Earth are not only connected to each other, but also to other bodies in our solar system, like the sun!

Why does conducting daily weather observations matter to my neighborhood--connecting to our “Should We” questions: Conducting daily weather observations helps us understand the relationship between daily weather, the seasons, and the responses of plants and animals in our neighborhoods. Daily weather observations are related to “Should we” questions such as “Should we water the lawn or garden today” or “Should we let our dog or cat outside for the day.” Share your observations with older family members and ask them if the weather today is similar to the weather when they were growing up. In most places around the world, temperatures are gradually getting warmer from the use of fossil fuels. Knowing this can lead to more “Should we” questions such as “Should we buy food from far away” or “Should we drive the car or walk to the store.”






































The investigation question we are asking is:

The “Should We” question we are exploring is:

Materials needed:	Directions:
<ul style="list-style-type: none"><input type="checkbox"/> pencil<input type="checkbox"/> this document or a blank piece of paper<input type="checkbox"/> weather appropriate clothing	<p>Decide if you would like to do daily weather observations for a week, month, or several months using the data tables on the next pages.</p> <ul style="list-style-type: none">❖ record weather data on a daily basis by circling the icons on the weekly chart or drawing or writing in the icons and description onto the monthly chart.❖ If you use the monthly weather tracking calendar, also shade in each day based on the temperature (i.e. color the box red if the temperature is over 90). <p>Look for trends in your data over time to understand the relationships between weather, seasons, and the places you visit.</p> <p>To connect to ideas of climate, seasons, prediction and patterns, you may want to try to predict the weather for each coming day based on prior observations, and then discuss how predictions were similar to or different from observations.</p>

Month: _____ Season: _____

	Sunday Date:_____	Monday Date:_____	Tuesday Date:_____	Wednesday Date:_____	Thursday Date:_____	Friday Date:_____	Saturday Date:_____
Sunny							
Partly Sunny							
Cloudy							
Rainy							
Snowy							



Hot:
above 90°F



Warm:
between 70 and 90°F



Cool:
between 50-70°F



Cold:
between 32 - 50°F



Freezing:
below 32°F



April 2020

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



Learning in Places is funded by NSF grant #1720578. Not for distribution without citation.