

Grade 2: Air & Weather

Lesson	ISI Kit Correlations	Outdoor Learning Center Activity	Skill Building	Habits of Mind	Process/Design Standards	Content Standards
Observing Weather	1. Exploring Air 3. Wind Explorations	Record data on current conditions including wind speed, cloud types and temperature. Look at monthly data to chart trends in weather 20 to 30 minutes	Observing and Describing Make predictions based on observations Make and use simple equipment and tools, extend the sense to make observations.	Seeking answers through exploration Wondering and thinking about the natural & physical world. Observing Carefully	Nature of Science: Note booking Nature of Science: Investigating Nature of Science: Observing Nature of Science: Predicting	2.2.2- Experience & describe air 2.2.3- Chart or graph observations
Wind Explorations- Kites or bubbles	3. Wind Explorations	Make simple kites, weather vanes or use bubbles to observe air. 30 to 50 minutes	Observing and describing Make and use simple equipment and tools, extend the sense to make observations.	Wondering and thinking about the natural & physical world. Observing Carefully Collaborating and sharing	Nature of Science: Investigating Nature of Science: Predicting Design Process: Identifying Design Process: Brainstorming Design Process: Solutions	2.2.1- Tools to record and observe
Whether the Weather be cold...	2. Observing Weather	Students hike the OLC and look for signs of how plants and animals adapt to different seasons and weather conditions. 30 to 50 minutes	Observing and describing Generate questions and make observations about natural processes	Observing Carefully Seeking answers through exploration Gathering data through all the senses	Nature of Science: Investigating Nature of Science: Predicting	2.2.4- Seasonal cycles

We'll Weather the Weather...	4. Looking for change	Build simple shelters and discuss severe weather procedures/survival skills 30 to 50 minutes	Make and use simple equipment and tools, extend the sense to make observations. Generate questions and make observations about natural processes	Wondering and thinking about the natural & physical world. Observing Carefully Collaborating and sharing Seeking answers through exploration	Nature of Science: Investigating Nature of Science: Predicting Design Process: Identifying Design Process: Brainstorming Design Process: Solutions	2.2.6- Severe Weather Safety
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Additional: build weather vanes or wind socks

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Whether the weather be fine,
Or whether the weather be not,
Whether the weather be cold,
Or whether the weather be hot,
We'll weather the weather
Whatever the weather,
Whether we like it or not!

Standard 2: Earth Science

Core Standard:

Day to day and over the seasons, observe, measure, record and recognize patterns and ask questions about features of weather.

2.2.1 Construct and use tools to observe and measure weather phenomena like precipitation, changes in temperature, wind speed and direction.

2.2.2 Experience and describe wind as the motion of the air.

2.2.4 Ask questions about charted observations and graphed data. Identify the day-to-day patterns and cycles of weather. Understand seasonal time scales in terms of temperature and amounts of rainfall and snowfall.

2.2.6 Learn about, report on and practice severe weather safety procedures.