# i3 STC Kit Extension Activities

## North Carolina

<table>
<thead>
<tr>
<th>Grade:</th>
<th>2nd Grade</th>
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<tbody>
<tr>
<td><strong>Kit Name:</strong></td>
<td>Weather</td>
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**Essential Standard(s):** (List number, standard, clarifying objectives where appropriate)

2.E.1.1 Summarize how energy from the sun serves as a source of light that warms land, air, and water.

**Unpack the Standard** (What does it mean?? What is the “Big Idea”?):

Students know that light travels from the sun to the earth. Some of this light is reflected back into space, some is absorbed by the land, water, and air.

**What is the Engaging (will get the student interesting) Essential Question that the students will be trying to answer as a result of this Extension?**

What is the importance of the sun in relation to our weather?

I can summarize how the sun’s energy warms the land, air, and water.

**Which activities in the kit touch on the Standard(s) and how can they be adjusted to better address the Standard(s)?**

None

<table>
<thead>
<tr>
<th>Kit Activity</th>
<th>Extension Suggestions</th>
</tr>
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<tbody>
<tr>
<td>Experiment including cups with water, soil, and air with thermometers in each. Put them in a window (or a sunny area). Take daily recordings of observations of change and temperature in each cup environment about evaporation and the water cycle.</td>
<td></td>
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**Additional Suggestions (Literature connections; online resources):**

**Discovery Education**- Full Video: *Weather: Changes in Measurement*

**Discovery Education**- Full Video: *Weather Start: Sun, Heat, Air, & Wind* (with k-2 Teacher’s Guide and in Spanish)

**Other Weather Sites**

- [www.wonderopolis.org](http://www.wonderopolis.org)
- [www.twigcarolinabiological.com](http://www.twigcarolinabiological.com)
- [http://exchange.smarttech.com/#tab=0](http://exchange.smarttech.com/#tab=0)

(Sun, Heat, & Evaporation)