## i3 STC Kit Extension Activities
### North Carolina

**Grade:** 7

**Kit Name:** *Understanding Weather and Climate*

**Essential Standard(s):** (List number, standard, clarifying objectives where appropriate)

7.E.1.4 *Predict weather conditions and patterns based on information obtained from:*
- Weather data collected from direct observations and measurement
- Weather maps, satellites and radar
- Cloud shapes and types and associated elevation

**Unpack the Standard (What does it mean?? What is the “Big Idea”?):**
*Students will model and describe the air pressure conditions under which clouds form.*

**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?**
*How are different atmospheric conditions and features measured?*

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

*An extension activity is provided that covers this standard more in depth.*

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**Additional Suggestions (Literature connections; online resources):**
Teachers use the following website for this activity:

To cover this standard completely teachers can complete Activity 1 found at the above website. It includes a reading selection, and an inquiry lesson.