

i3 STC Kit Extension Activities

North Carolina

Grade: 7	
Kit Name: <i>Understanding Weather and Climate</i>	
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”?): <i>Students will model and describe the air pressure conditions under which clouds form.</i>	
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? <i>How are different atmospheric conditions and features measured?</i>	
Which activities in the kit touch on the Standard(s) and how can they be adjusted to better address the Standard(s)? <i>An extension activity is provided that covers this standard more in depth.</i>	
Kit Activity	Extension Suggestions
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Additional Suggestions (Literature connections; online resources): Teachers use the following website for this activity: http://www.esrl.noaa.gov/gsd/outreach/education/samii/SAMII_Act1.pdf To cover this standard completely teachers can complete Activity 1 found at the above website. It includes a reading selection, and an inquiry lesson.	