

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) <i>7.E.1.1 Compare the composition, properties and structure of Earth's atmosphere to include: mixtures of gases and differences in temperature and pressure within layers.</i>	
Unpack the Standard (What does it mean?? What is the "Big Idea"?): <i>Students will create a foldable to compare the composition, properties and structure of Earth's atmosphere.</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>What is the relationship between altitude, density, temperature and pressure within each layer of the atmosphere?</i>	
Which activities in the kit touch on the Standard(s) and how can they be adjusted to better address the Standard(s)? <i>Use the reading selection "The Atmosphere: A Multilayered Blanket of Air" pages 50-52</i>	
Kit Activity	Extension Suggestions
Reading Selection: "The Atmosphere: A Multilayered Blanket of Air" pgs. 50-52	
Additional Suggestions (Literature connections; online resources): Teachers use the following website for this activity: http://mjksciteachingideas.com/climate.html Using this website teachers will first go over the composition of the atmosphere. Next, teachers will follow the directions given for students to create a foldable of the Layers of the Atmosphere.	