

# i3 STC Kit Extension Activities

## North Carolina

Grade: 4	
<b>Kit Name: Rocks and Minerals</b>	
Essential Standard(s): (List number, standard, clarifying objectives where appropriate)	
4.P.2.1 Compare the physical properties of samples of matter (strength, hardness, flexibility, ability to conduct heat, ability to conduct electricity, ability to be attracted by magnets, reactions to water and fire).	
Unpack the Standard (What does it mean?? What is the “Big Idea”?):	
4.P.2.1	
Students know that samples of matter have many observable properties that can be measured. Students know that samples of matter can be described according to the characteristics of the materials they are made from. Students are familiar with, and can test for the following properties: strength, hardness, flexibility, ability to conduct heat, ability to conduct electricity, ability to be attracted by magnets, reactions to water (dissolve) and heat/fire (melt, evaporate).	
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 are the states of matter and what are the observable physical properties?	
Which activities in the kit touch on the Standard(s) and how can they be adjusted to better address the Standard(s)?	
***This should be used as a quick mini-lesson, serving as a reminder to students of the states of matter, prior to teaching the Rocks and Minerals kit.***	
Kit Activity	Extension Suggestions
	Read and view site listed below.
Additional Suggestions (Literature connections; online resources):	
Does Matter Really Matter video and digital literature <a href="http://wonderopolis.org/wonder/does-matter-really-matter/">http://wonderopolis.org/wonder/does-matter-really-matter/</a>	