

i3 STC Kit Extension Activities

North Carolina

Grade: 7	
Kit Name: <i>Experimenting with Forces and Motions</i>	
Essential Standard(s): (List number, standard, clarifying objectives where appropriate) 7.P.2.4 Explain how simple machines such as inclined planes, pulleys, levers and wheel and axles are used to create mechanical advantage and increase efficiency.	
Unpack the Standard (What does it mean?? What is the “Big Idea”?): <i>Students investigate the function of simple machines.</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 does the use of simple machines make our lives a little easier?</i>	
Which activities in the kit touch on the Standard(s) and how can they be adjusted to better address the Standard(s)? <i>This kit does not address this essential standard.</i>	
Kit Activity	Extension Suggestions
Additional Suggestions (Literature connections; online resources): This resource requires students to have access to a computer. Teachers will use the following website for students to investigate simple machines. http://edheads.org/activities/simple-machines/ The lesson will begin with students taking a pretest. Students will then access the website to complete the lesson. Students will spend approximately 8-10 minutes in each room within the website. Students will record their scores into their interactive notebooks. Upon completion students will then take a posttest. (The pretest and posttest can be found in the teacher’s guide.)	