

Science	SCI.IV.3.5	Grade: K
<p><b><u>Strand:</u></b>      <b>Using Scientific Knowledge in Physical Science - Motion of Objects</b></p> <p><b><u>Standard:</u></b>      <b>All students will describe how things around us move, explain why things move as the do, and demonstrate and explain how we control the motions of objects.</b></p> <p><b><u>Benchmark:</u></b>      <b>Manipulate simple mechanical devices and explain how their parts work together.</b></p>		
<p><b>Vocabulary / Key Concept</b></p> <p>Wheels and axles, inclined planes</p>	<p><b>Context</b> Slide, wheels on a wagon or toy car.</p>	
<p><b>Knowledge and Skills</b></p> <p>Simple machines decrease the amount of force needed to do work.</p> <p>It is important for students to manipulate a variety of devices and to discuss with their peers how simple machines make tasks easier.</p>	<p><b>Resources</b></p> <p>Coloma Resources:</p> <p>Understanding Simple Machines:</p> <ul style="list-style-type: none"> <li>• <b><i>Wheel and Axles</i></b></li> <li>• <b><i>Inclined Planes</i></b></li> </ul> <p>Gears! Gears! Gears! Super Set</p> <p>Simple Machines: Wheel and Axle Inclined Plane</p>	

**Instruction**

Benchmark question: How do we manipulate simple machines?

Provide many opportunities during center time for children to manipulate simple machines.

**Assessment**

Teacher observation.

**Teacher Notes:**