

## Washington Township School District

### STEM/Makerspace Curriculum

<b>Grade:</b>	K	<b>Mystery Science Unit/Project Title:</b>	Force and Motion
<b>NJ Learning Standard(s):</b>	K-PS2-1, K-PS2-2, K-PS3-1, K-PS3-2, K-2-ETS1-1, K-2-ETS1-2; SC.K.N.1.1, SC.K.N.1.2, SC.K.N.1.3, SC.K.N.1.4, SC.K.N.1.5, SC.K.P12.1, SC.K.P.13.1		
<b>Objective:</b>	<p>SWBAT create a ramp out of cardstock. SWBAT measure the distance their car goes compared to the height of the ramp.</p> <p>SWBAT create a catapult out of popsicle sticks and rubber bands. SWBAT measure the distance the pompom travels.</p> <p>SWBAT create a structure to withstand being blown down by a hair dryer.</p>		
<b>STEM/ Unit Activities</b>	<p><a href="#">Racecar Ramp</a></p> <p><a href="#">Pompom Catapult</a></p> <p><a href="#">The Three Little Pigs STEM Activity</a></p>		
<b>Suggested Assessments:</b>	<ul style="list-style-type: none"> <li>• Exit Ticket</li> <li>• Journal</li> <li>• Data sheets</li> </ul>		
<b>Supplies Needed:</b>	<p>Racecar Ramp: cardstock, Unifix or linking cubes, Scotch tape, toy racecars</p> <p>Pompom Catapult: popsicle sticks, rubber bands, plastic spoons, pompom balls, meter sticks</p> <p>Three Little Pigs: assorted building materials (empty containers, empty paper towel rolls, blocks, paper, etc.), glue, tape, paper clips, stapler, rubber bands, scale, hair dryer, rulers or Unifix cubes</p>		
<b>Resources to Support Unit:</b>	Version of <a href="#">The Three Little Pigs</a> ; informational books on ramps and catapults		

