

## 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.<br/>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.<br/>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</b>             | Version of <a href="#">The Three Little Pigs</a> ; informational books on ramps and catapults  |  |                  |

Support Unit:

