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| Force and Motion Little Science Thinkers Unit 6 |
| Kindergarten  April 15-19, 2019 |
| **Standards:** K-PS2-1: Plan and conduct and investigation to compare the effects of different strengths or different direction of pushes and pulls on the motion of an objectK-PS2-2: Analyze the data to determine if a design solution works as intended to change the speed or direction of an object with a push or a pull.  | Focus Skills:\* Investigate how force and gravity affect the motion of an object.\* Investigate how a marble moves using different ramps.  |
| Materials Needed for Marble and Ramp Experiment: Marble, pool noodle (12” section cut into 2 semi circle ramps), wooden blocks, piece of felt or rug, paper cups, tape measure, Marble and Ramp Experiment Booklet.  |  |
|  | Monday (4.15) | Tuesday (4.16) | Wednesday (4.17) | Thursday (4.18) | Friday (4.19) |
| Learning Target | We can explain how gravity affects motion. | We can conduct an experiment to learn how a marble moves using different ramps.  | BARN HILL PRESERVE FIELD TRIP | SPRING CONCERTMOH FAMILY PICNIC DAY | **GOOD FRIDAYSPRING BREAK****NO SCHOOL** |
| Science | Force and Motion Lesson 5:\* Introduce the learning target, display the guiding question: “What is gravity? What are some examples of gravty?” on chart paper and ask students to share their ideas. \* Read and discuss Gravity (Display PP on Activeboard)\* Revisit guiding question and record student responses.Investigation:\* Students will investigate the properties of objects affect the way they move.(color, size, shape, weight, and texture) and record their results on a recording sheet. \*Students will share their results with the class and the teacher will record the results on an anchor chart. \* Students will complete Activity Page 6.5 | Force and Motion Lesson 6:\* Revisit previous achor chart about what scientists do: Marbles and Ramps Experiment:\* Students will use the materials listed above to see how different ramps affect eh force and motion of the marble. \* Students will make predictions about how the marble moves and record their predictions in their experiment booklet.\* Students will record their results as they move the marble on high and low ramps in their experiment booklet. *This activity can be done on small groups or as a whole class,. Students will need guidance from the teacher to set up the ramps before moving the marbles.*\* Students will complete Activity Page 6.6 |