



Pom Pom Drop

Experimenting with Gravity

INTRO

In this activity, we will be testing gravity and our creativity! Attaching paper towel and toilet paper rolls to a poster board will allow students to make a downward path for the marble or bouncy ball to travel down.

SUPPLIES

- Paper Towel Rolls and Toilet Paper Rolls
- Scissors
- Washi Tape
- Pom Poms
- Poster Board
- Marbles or Bouncy Balls

VOCAB

- Gravity
- Resistance

INSTRUCTIONS

1. Use washi tape to attach the paper towel rolls and toilet paper rolls onto the poster board so that pom poms can roll through them from top to bottom. You can cut the rolls in half to make a path or keep the rolls in tact to create a tunnel for the marble or bouncy ball to drop down. Use your imagination to create fun paths for the ball to travel!
2. Drop marbles or bouncy balls against the top of the poster board, and have students observe as they fall and hit different rolls on the way to the bottom of the poster board.
3. Once shown an example on the poster, encourage the students to test their design. After testing, ask the students to continue to test different designs and the type of material used to see how gravity affects each.

DISCUSS

- What makes the bouncy ball or marble travel faster? What makes it travel slower?
- Can you make the bouncy ball or marble travel upward?

