



# Little Energizers

## FORCES AT WORK:

### MAKE A MARSHMALLOW CANNON

#### YOU WILL NEED:

- Disposable Plastic Cups
- Balloons
- Scissors
- Tape
- Mini Marshmallows

#### INSTRUCTIONS:

1. Cut off the bottom portion of a disposable cup.
2. Snip the top of a balloon off, stretch it over the bottom of the cup, and tie a knot in the opposite end of the balloon.
3. Place tape around the cut edges of the balloon, securing it to the cup. This will make it more durable, and prevent the balloon from snapping off while being used.
4. Grab some marshmallows, place one in the cup, aim, and start shooting.

Use this activity to experiment with the effects of different forces – pulling the balloon back just a little bit creates a small amount of force, whereas pulling it back more, creates a larger force. When the force is greater, the marshmallow flies a greater distance, and at a higher rate of speed.



For a video demonstration, visit: <https://www.youtube.com/watch?v=s5eJMOToxwA>