



IMAGINETM
— YOUR —
STORY



SUMMER OF M.E.

(MEANINGFUL ENTERTAINMENT)
PRESENTS

Mini Catapult



Mini Catapult

Fun Fact: A catapult is based on a simple machine known as a lever: a bar or rod that moves on a point called a fulcrum; a force (effort) is used to move the load.

Instructions:

1. Attach the spoon to one of the popsicle sticks with the rubber bands so that the bowl of the spoon sticks out beyond the end of the stick. We suggest using two rubber bands: one at the top of the spoon handle and one at the bottom of the spoon.
2. Attach the second popsicle stick to the first by using a rubber band placed at the bottom — the end farthest away from the spoon.
3. Put a pencil (not provided in bag) in between the popsicle sticks to act as the fulcrum for this lever.
4. Place your pom-pom in the spoon, pull the spoon back, and let it fly!

Further Exploration:

Try using different objects as the fulcrum — the piece that goes in between the popsicle sticks. For example, does using a marker instead of a pencil change the flight of the object? How and why?

Try using different sizes of pom-poms. Do they travel different distances? Why?

Try moving the position of the fulcrum. What happens when you move it closer to the other end of the popsicle sticks?

Materials needed:

- Craft Sticks**
- Plastic Spoon**
- Rubber Bands**
- Pencil**

