



# MECHANICAL ENGINEERING | CATAPULT

## Description

SKILL LEVEL: BEGINNER

**In this craft, you will be using principles of mechanical engineering to build a homemade catapult!** This activity works great when done either solo or in small groups. It is also very easy to do, taking around 10 mins with only 4 required materials.

**Test your catapults!** After students are done building, you can have them compete to see which catapult can launch an object the farthest. Students can also compare how far different objects can be launched with the catapult (for example, compare the distances of a pom-pom vs a penny or other heavier object)



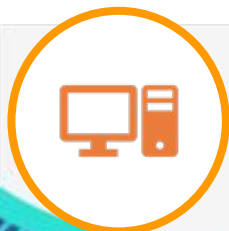
## Materials Needed

- 10 popsicle sticks
- 3 rubber bands
- Plastic spoon
- Small ball or pom-pom



## Directions

1. Stack 9 popsicle sticks and secure one end with a rubber band
2. Insert the 10th popsicle stick into the center of the stack
3. Secure the other end of the stack with a rubber band
4. Secure the handle of the spoon to the center stick with a rubber band



[Video Instructions](#)