

at home *discoveries*

craft stick catapults



Create your own miniature catapults using objects from home!

Materials:

- Large craft sticks
- Rubber bands
- Bottle cap or plastic spoon
- Scissors to cut notch in craft sticks
- Marshmallows, small pom poms, cheese puffs, or other soft projectiles



Directions:

1. Take four large craft sticks and wrap a rubber band around either end to secure together.



2. Cut a small notch on either side of two large craft sticks (if desired) to ensure they don't slide apart while firing. Secure these two sticks at notch with a rubber band.

3. Make a “V” with these two craft sticks and slide the four secured craft sticks into the “V.” Secure with a rubber band crossing over the “V” of the two notched craft sticks.



4. Attach a plastic spoon to the end of the top of the catapult using a rubber band or a plastic bottle cap using glue or double sticky tape.



5. Place a soft projectile in spoon or bottle cap. Hold base of catapult with one hand and push down on the top of the catapult with the other. Release top of catapult and let your ammo fly!



Using craft sticks and rubber bands, see if you can design a better catapult and make objects fly further! Explore the links and videos below for more catapult ideas.

Helpful Links and Videos for more catapult designs:

<https://www.youtube.com/watch?v=XchdUB-ZnKc>

https://www.youtube.com/watch?v=WpLFC_SOpXs

<https://www.science-sparks.com/how-to-make-a-catapult/>

<https://littlebinsforlittlehands.com/popsicle-stick-catapult-kids-stem-activity/>

<https://www.stemlittleexplorers.com/en/make-popsicle-catapult/>