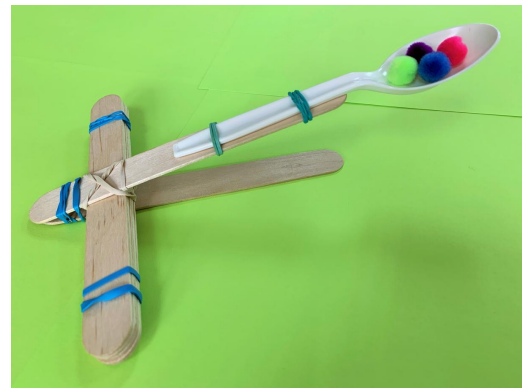


ROCK SPRINGS SUMMER LIBRARY PROGRAM

make a mini catapult

You'll need:

- 8 popsicle sticks
- 6 or so rubber bands
- Plastic spoon
- Marshmallows, pom-poms, cotton ball or other little soft items to catapult!



1. Stack 6 popsicle sticks together and wrap tightly with a rubber band on each end. You'll anchor the launching stick to this stack, described in the next step.
1. To add the launching stick take one stick and attach it perpendicular to the stack you just made, around the middle, so you get a cross shape. You can do this with one or two rubber bands that are crossed in an X over the sticks.
2. Next, add the base by attaching a stick to one end of the launching stick with a rubber band. If it were not for the stack of sticks in between, the launching stick would fall flat on top of the base. Now the launching stick and the base form a V shape lying on its side with the stack of sticks in the middle.
3. Line up your spoon and secure it to the launching stick with two rubber bands
4. Place your pom-pom(s) in the spoon, hold onto the base with one hand, and pull the spoon downward with the other hand. Let go and see how far the pom-pom flies!

More catapults to make!

<https://www.instructables.com/id/Pyramid-Catapult/>

<https://www.scientificamerican.com/article/build-a-catapult/>

<https://www.discoveryplace.org/stay-at-home-science/diy-catapult>