



Popsicle Stick Catapult

Items Needed:

- Popsicle Sticks
- Rubber Bands
- Plastic Spoon
- Pom pom Balls

***Optional paint or markers to decorate the popsicle sticks.**

***Optional ruler, pencil and paper.**

How to create your catapult

1. Make a stack of popsicle sticks by stacking them one on top of each other. Start with five (5) sticks. *Optional: paint or color the popsicle sticks before starting.*

2. Wrap a rubber band around each end of the stack to hold the stack together.

3. Take two popsicle sticks and stack them together. Wrap one rubber band around one end of these two sticks to hold them together.

4. Pull the two popsicle sticks slightly apart and place the larger stack of sticks in between the two.

5. Attach the larger stack to the stick on the top using a rubber band.

6. Set the spoon on the top popsicle stick and use a rubber band to lash it down.



7. The spoon should be facing cup side (scoop side) outwards.

8. Place a pom pom on the spoon.

9. Hold the catapult with one hand and use your other hand to pull down on the spoon. Release the spoon to watch the pom pom launch! Where will the pom pom go? How far will it go?



Record your observations. Measure the distance the pom pom traveled. What might make a difference in how far it travels?

Try building the catapult with more popsicle sticks. What do you think will happen?

