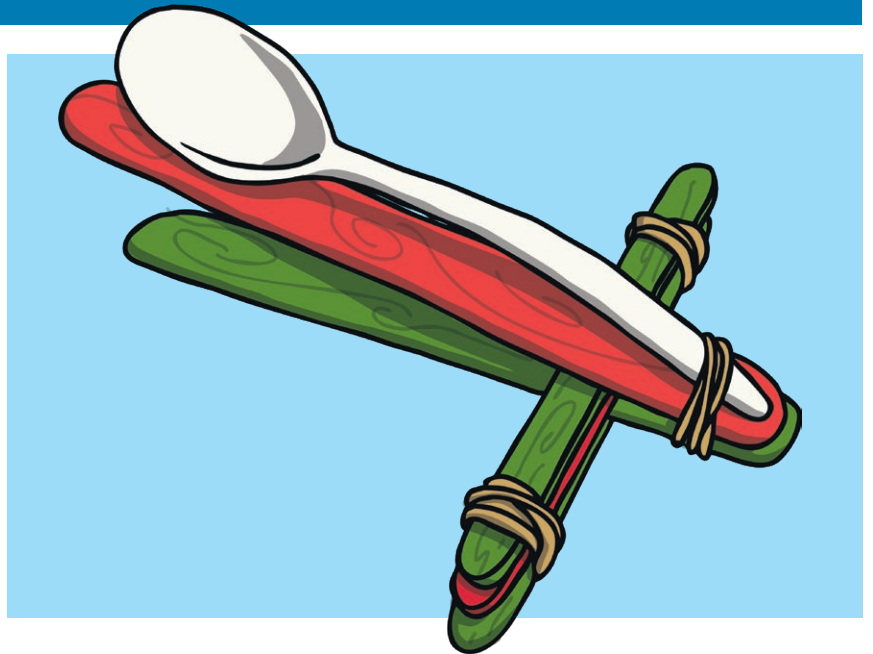


Snowball Catapult STEM Project

You will need:

- popsicle sticks
- elastic bands
- plastic spoon
- mini marshmallow
- metre ruler
- recording sheet



Instructions

1. Stack 4-5 popsicle sticks on top of each other. Wrap an elastic band around each end to hold the sticks together.
2. Put another popsicle stick on top of the stack and one under the stack at a perpendicular angle. Pinch the two sticks together at one end and wrap another elastic band around the sticks.
3. Slide the larger stack of popsicle sticks towards the “pinched” end so that it creates a larger gap on the open end.
4. Tuck the handle end of the plastic spoon into the elastic band at the “pinched” end of the catapult. Another elastic band may be added to the top part of the spoon’s handle if it needs to be more secure.
5. Place a mini marshmallow in the spoon on the catapult. Hold the front of the catapult down to the ground and use a finger to push the spoon and marshmallow down to the floor.
6. Release and watch your “snowball” fly across the room!

Create a catapult that will send snowballs flying across the room. Complete tests and measure how far your snowball travels.

Draw a diagram of your catapult.



Test Number	Distance in metres and cms
Test 1	
Test 2	
Test 3	

Which test was the most successful?

What made your model successful?

How could you improve your catapult?
