

Build Your Own Catapult

Using STEM skills and supplies listed below, build your own catapult! Compete with family and friends and see who can shoot their object of choice the farthest!

Supplies

- 8 jumbo popsicle sticks per person
- Rubber bands (4 per person)
- Bottle cap
- Sticky dots or hot glue gun
- Cotton balls, pom poms, jelly beans, marshmallows, etc.

Instructions

1. Cast your vote. Which object will fly the farthest? and Why?
2. Stack six craft sticks together and rubber band both ends.
3. Glue a bottle cap to the end of one of the extra sticks to serve as a launching platform.
4. Stack the remaining two popsicle sticks (one with bottle cap) and wrap rubber band around the very end.
5. Separate the two craft sticks. Place the stack of five craft sticks between the two craft sticks.
6. Wrap a rubber band around all of the craft sticks to hold the catapult together. Wrap criss-cross, forming an "X" with the rubber band.
7. Push down on the top craft stick and release to launch an object from the bottle cap.



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