

DESIGN YOUR OWN CATAPULT

CHALLENGE:

Build a catapult using materials from around the house.

YOU'LL NEED:

- Popsicle sticks
- Pencils
- Rubber bands
- Spoons
- Payload (cotton balls, foil balls, marbles, and so on)

GET INSPIRED:

Visit YouTube, search "How to make a catapult for kids," and get inspired by the awesome examples and crazy catapults that are out there.

PLAN IT OUT:

When you've gathered your materials and gotten some inspiration, it's time to make your design plans. Take out a sheet of paper and a pencil and sketch out your catapult.

PROCEDURE:

Build your catapult and put your design to work. Test how different angles affect how well the catapult projects objects. Explore what happens if you make modifications to your design. Compare the results and take notes about the features that worked well in your various designs.

DISCUSSION:

What changes did you make to improve your catapult design? What would you do differently next time?

