

HALLOWEEN CATAPULT

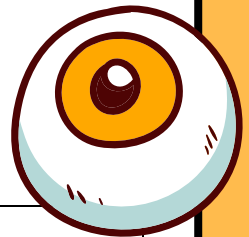
Build a catapult to launch small objects by sending them flying to the target. Test your catapult by measuring the distance of each object you launch. You can even make use a paper target and test your launching accuracy. Record your data on the data chart.

STEPS:

1. Use a pair of scissors to make two v notches on either side of two jumbo craft sticks towards the ends of the sticks.
2. Take the remaining 8 craft sticks and stack them on top of the other. Wind a rubber band tightly around each end of the stack.
3. Push one of the notched sticks through the stack under the top stick of the stack. Flip the stack over so that the stick you just pushed in is on the bottom of the stack.
4. Lay the second notched stick on top of the stack and secure the two popsicle sticks together with a rubber band as shown below. The V notches that you cut help to keep the rubber band in place.

Supplies:

10 jumbo popsicle sticks, 3 rubber bands, firing power (candy corns, pumpkins, toy eyeballs) plastic bottle cap, adhesive



Try your experiment multiple times	Distance	Accuracy
Trial #1		
Trial #2		
Trial #3		
Trial #4		
Trial #5		

