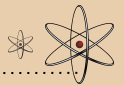


Catapults

Why They Work



Recipe for Science: Fulcrums & Propulsion



Materials: Popsicle sticks, rubber bands, plastic spoons, ammo (marshmallows), tape measure

Directions: Create a pivot point (fulcrum) by stacking 3 popsicle sticks and banding them together with rubber bands. Take 2 more popsicle sticks and band them together on one end. Push the pivot stack in between the 2 popsicle sticks so that it is near the end secured by the rubber band. Tie a plastic spoon to the top stick. Set the catapult on a table and experiment with the location of the pivot point to make your ammo go the furthest or highest. Try a thinner or thicker pivot stack, and have a competition to see who can launch their ammo the furthest. Practice counting by measuring the results.

An Extra Step: Build a toy castle out of blocks and create a story about rescuing someone by knocking over the walls.



SEEDS is passionate about engaging the natural curiosity of youth with science, nature, and art. Please enjoy these hands-on activities with your children and students.

www.ecoseeds.org