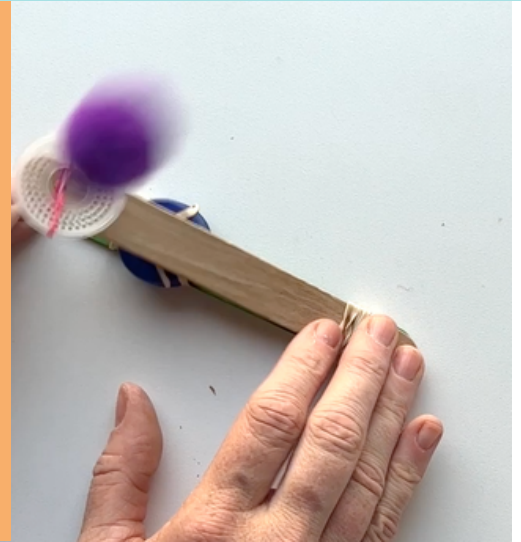


MAKE A CATAPULT FROM REPURPOSED MATERIALS

Craft Stick Lever Catapult STEM Challenge

A catapult is a device that transfers energy in order to launch a projectile with force. There are four main parts of a catapult; base, arm/lever, fulcrum, and basket. These parts work together to launch a projectile with force. Catapults use kinetic and potential energy. Kinetic Energy is the observable energy of an object moving through space. Potential Energy is energy that's stored in an unmoving object.



You will be creating several variations of your catapult, however, they all have a similar layout. You will first need to construct your lever. This could mean attaching a lid to a popsicle stick or just using a spoon. Then you will need to attach your lever to your base, for example, with a rubber band. After this, you will put a fulcrum in between the base and the lever. Check out the [My Catapult Notebook](#) to help with your design.

Once your catapult is constructed you can grab a projectile and launch! Experiment with different designs to see if you can get your catapult to launch further or higher.

Scan this [QR code](#) for a video tutorial.

