

Catapult: How far you can throw items with a handmade catapult?

Introduction:

Catapults were invented by Greek. This weapon of warfare proved incredibly effective and was a key weapon of warfare until Medieval times. Catapults use stored energy to hurl a projectile without using any explosives. The stored energy comes from various forms. In this experiment, you create a working catapult of your own. The project is an easy activity that will be done during the class.

Construction:

You must construct a catapult from the material given. No other materials or substitutions are allowed.

Material provided:

2 pieces of 12-inch-long woods, 2 pieces of wood sticks and 4 rubber bands.

Test:

- Each team has 20-minutes to think, discuss, construct and finish the project. Any modifications made after the allotted 30-minute period will disqualify the team.
- Think of variables that affect the distance it throws. Make changes to your design to make it better.
- Tests will be carried out by throwing a plastic item. The actual distance will be measured.

Hint:

