

Levers: Trebuchets and Catapults

Suggested Time

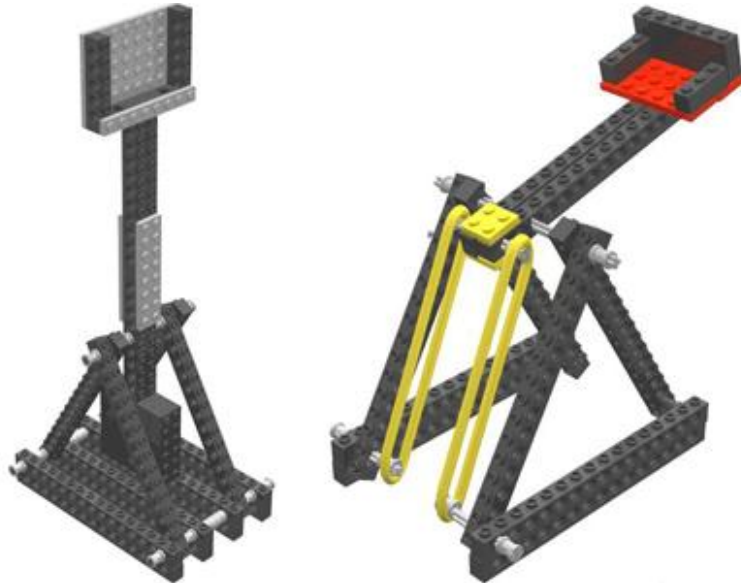
60 minutes

Age

5 - 10

Challenge

In this activity, design and construct a trebuchet or catapult that will shoot an object at least 2 meters.

***Topics***

Building, Sturdiness, Familiarity with Different LEGO Pieces, Geometry

Subjects

Math, Science, Engineering & Technology

Related Math & Science Concepts

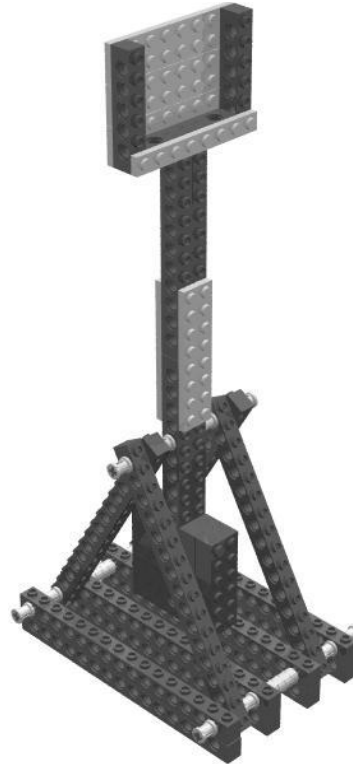
- Acceleration
- Velocity

Materials

- Assortment of LEGO Pieces
- Rubber Bands
- Plastic Spoons

***Building
Instructions***

1. Build a trebuchet that fires an object based on a counterbalanced arm.



2. Build a catapult which fires an object based on arm tension.



In Action

Test to see if the trebuchet or catapult is capable of launching an object at least 2 meters.

