

Review:

- What is a Potential Energy?
- What is Kinetic Energy?
- What is the 1st Law of Thermodynamics?
- What is a Fulcrum point?

**Today students will be building a catapult of their own design or if they did not finish last weeks build then they make continue it today.**

**Hints that effects the catapults behavior:**

- Make the arm longer
- Tighten the rubber band for more force
- adjust the fulcrum point.
- Make a taller base.

No Worksheet

***Challenge 1 - Teams of 1 or 2***

- Build a catapult of their own design that can launch a brick 8ft

***Challenge 2 - Teams of 1 or 2***

- launch a 2x2 brick 12 feet

***Ultimate Challenge- Teams of 1 or 2***

- Who can launch a 2x2 brick the furthest