

Tennis Ball Catapult

Catapult competition:

Teams of up to two people will build a catapult, which is designed to throw a tennis ball as far as possible.

Specifications:

1. Catapult must have an **arm** designed to throw the ball. A sling may be used maximize throwing potential. Trebuchets are permitted. (They are more difficult to master though)
2. Your catapult must have a triggering mechanism which will allow you to activate the catapult without adding energy. (No, you cannot just throw the ball)
3. No explosions or air pressure may be used to assist the performance of your catapult. In other words, the energy used to power your catapult must be provided by the device itself.
4. Your catapult must be able to be cocked by one person.

Scoring:

Each group will be allowed three launches. The best launch will be used as your score. The longest launch wins. Your ball must travel a minimum of 10 yards.

Logistics:

Your catapult must be portable enough to fit through a standard size doorway and the two team members must be able to easily carry the catapult out onto the football field.