Physical Science

Mr. Myers

Egg-Launcher Project

1. Description—Teams of two or three will build a mechanically-powered egg launcher and compete against their classmates’ egg launchers. The contest will be held at school on Oct. 19.
2. Objective—The objective of the contest will be to see whose machine can launch a raw egg the longest distance.
3. Rules
   1. Egg launchers can be made out of any kind of material but may not be powered through explosives, engines, or motors directly or indirectly.
   2. Egg launchers must be able to fit inside of a 5’ cube when they are at rest.
   3. Teams are not allowed to research or copy launchers found on the Internet
   4. Teams may recruit the assistance of other people in the project but must maintain a primary role in the design and construction of the launcher
   5. Each team will be allowed two official launches at the time of the contest.
   6. Teams will be chosen through random pairing
   7. Don’t spend much money

Notes:

* In 2012, Dustin, Richard, and Tyler won the contest with a distance of 222’ 10”.
* From 2015:
  + Further clarification is needed about the guidelines, both for the size and source of power
  + Idea of going for accuracy rather than distance, of having students enter the contest classed in categories, or having everyone use the same method of propulsion
  + Get students to submit their designs ahead of time and make sure the team partners are working together
  + Randall and Regan won the contest this year with shot of 450’, using manually compressed air for power.