



# TREBUCHET!!!!!!!!!!!!!!

DUE March 2, 2010



Purpose: Design a trebuchet/catapult that will be tested on distance and scientific method.

Rules:

1. Trebuchets and catapults must be homemade.
2. Trebuchets use only gravity and a counterweight throw the object. Trebuchets will be given extra credit. Catapults use springs or elastic energy to work.
3. Trebuchet/catapult base must not be bigger than 1m on each side.
4. You will be throwing a tennis ball.
5. You will be expected to hit one of two targets at a distance of 14 and 18 feet. You may choose the distance.
6. You may work with **ONE** partner. People working alone will receive extra credit. Your partner can be in Mr. Calder, Mr. Davis, or Mr. Teece's class.

Grading:

Your project will be graded partially on distance and partially on how well you follow the scientific method. You will only get a grade if you complete the project and the data sheet we will give you. We will test the catapults December 16, 17 and 18. You will be expected to make a change each night to try to improve your catapult.

We will have some research time in class for this project. We will also discuss what kind of machine to make. However, you be required to build this outside of class.

Parents: Please allow your child to do the majority of the work on this project. Contact us with any questions. 412-2850 [dustin.calder@jordan.k12.ut.us](mailto:dustin.calder@jordan.k12.ut.us), [david.davis2@jordan.k12.ut.us](mailto:david.davis2@jordan.k12.ut.us) or [Richard.Teece@jordan.k12.ut.us](mailto:Richard.Teece@jordan.k12.ut.us).

