

Projectile Launcher Rules

Due Date : Monday, June 1

Requirements:

1. Launcher
 - Must have a name (Shouldn't be lame)
 - Minimum Range is 2m
 - Must be adjustable from 0 – 90 degrees
 - Must be presentable (No sharp edges, etc)
 - Should be able to load and shoot within 90 seconds
 - Must have some form of angle indicator on it
 - Elastic energy is the only form of energy accepted
 - Do not use marbles or other hard to see projectiles

Report

- Similar to a formal lab write up
- Procedure doesn't need to be detailed but materials need to be listed
- Results should include a table of recorded range values
- Must have at least 15 measurements from at least 3 different angles
- Calculate the initial velocity for each shot
- Determine the average initial velocity

*Actual target locations will be revealed after June 1

**Each competitor will be given 3 attempts (hitting the target removes the lowest test, failure to hit the target will result in the dropping of 2 lowest assignments)

*** Failure to adhere to the rules as stated could result in disqualification

****Failure to present a report will result in forfeiture of chance of dropping lowest test