

Unit 2: Vectors and Projectiles labs

1. Target Practice
2. Virtual Projectile

Lab: Target Practice

August 30

- Obj: Determine the landing spot of a marble launched from the Marble Launcher, based only on the launch speed and height above the ground. You may choose any angle from 0 to 45 degrees.
- Calculations: Launch speed, time in air, horizontal range.
- The discussion should include: Any issues if you missed the target or just a few words to gloat if you hit the target on the first shot.

Lab: Virtual Projectile

August 29-Sept 1

- Complete the provided lab sheet using the online projectile simulation.
- No further discussion required.
- Make note of the how the various launch angles relate to the projectile range.