

Physics Lab

Name _____

Period _____

Date _____

Catapult Launcher

Purpose:

Materials:

Physics Principles and Diagram (*Show all the important parameters*)



Measuring the range and the time, calculate one initial velocity.

Motion Eq's

Data Table

| Angle of Launch (°) | Time of Flight (s) | Range of Projectile (m) | Initial Velocity of Projectile (m/s) |
|---------------------|--------------------|-------------------------|--------------------------------------|
| | | | |
| | | | |
| | | | |
| | | | |

Show your calc's

Conclusion

What did you learn from building your catapult? What would you do different?

Where were you errors the greatest? Why?

How would you fix your errors?