PROJECTILE LAUNCHER INVESTIGATION

Purpose: To explore projectile motion.

\*\*No hypothesis or ‘It is expected…’\*\*

Apparatus:

* Projectile launcher
* Target
* Projectiles
* Protractor / Inclinometer

Procedure:

1. Drop a projectile and *draw its’ motion.*
2. Launch a projectile horizontally and *draw the path it takes*.
3. Launch a projectile straight up and *draw the path it takes*.
4. Through trial and error, *determine the launch angle that gives the greatest distance. Why?*
5. Have one person hold a projectile. Launch a projectile AND drop the projectile at the same time. *Compare when both projectiles hit the ground.*
6. Have on person hold the target. Launch the projectile AND drop the target at the same time. *Where should you aim to hit the target? Why?*

Observations / Discussion

In this section, include the observations and answers to the questions that are italicized in the Procedure.

Errors

Briefly describe any errors.

Conclusion

Not necessary