



Science of a Slingshot

Create a slingshot by looking up online. Try different types of ammunition like: whoppers, nerf ammo, felt or wool balls, aluminum foil shaped into balls, etc.

All students, after practicing, shoot all types of ammo at a target. Be sure to measure the distance to target and put down markers at one-foot intervals.

Data Collector(s) to note location, type of ammo, distance to target, and accuracy of each student. Take pictures of the process.

All students shoot the slingshot ten times for each type of ammo and location. Graph the data for the presentation.

Summary of findings: As a group, work out the factors that contributed to the results.

- Ammo: did weight make a difference? How solid the ammo?
- Environment: outside vs. inside; windy vs. still; cold vs warm
- Slingshot: Was there a difference in how it was held?

Why would these factors make a difference? What might change to make it more accurate?

Create a presentation to include Graph, pictures, and summary of findings. Turn in the data collection sheet as well.

Slingshot Maker(s)	
Data Collector(s):	
Grapher(s):	
Summary of Findings Scribe:	
<i>Photographer / Videographer*</i> :	

**Video only if presenting digitally*