

Mouse Trap Project

The mouse trap racer presentation should have the following parts:

- 📌 title
- 📌 purpose
- 📌 materials
- 📌 design (CAD or graph paper)
- 📌 procedure
- 📌 results
 - data table
 - calculations (show your work)
- 📌 conclusion



Data table example

Trial	Mass (g)	Distance (m)	Time (s)
1			
2			
3			
4			
5			
6			
7			
8			
9			
10			

Using the data collected above calculate:

- 📌 velocity
- 📌 acceleration
- 📌 force

Formulas

$$v = \frac{s}{t} \quad a = \frac{v}{t} \quad a = \frac{F}{m} \quad F = ma \quad w = mg \quad d_x = v_0 + \frac{1}{2}at^2$$