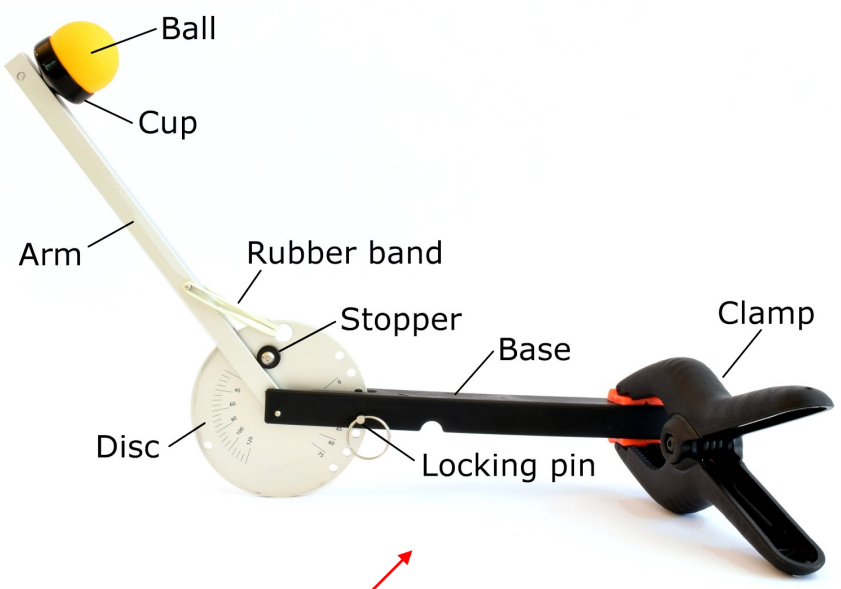
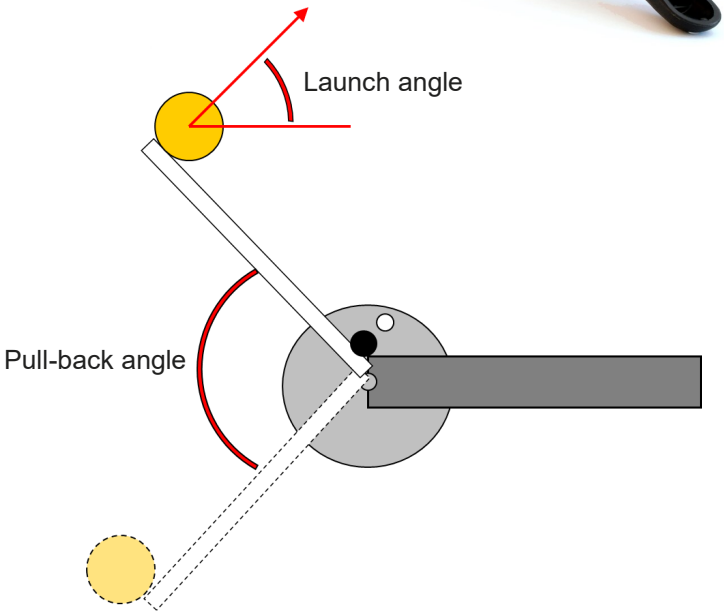
Teacher's Quick Reference Guide

Ping Pong Catapult



Overview

- **Potential energy** is stored in the stretched rubber bands.
- It is converted to **kinetic energy** (the energy of motion) of the moving ping pong ball.



Setup

- Use clamp to attach base to edge of desk or table
- Insert locking pin through holes in base and disc
- Loop rubber band through hole in disc; hook ends onto launch arm
- Put a tape measure or end-to-end meter sticks on the floor to measure how far ball travels

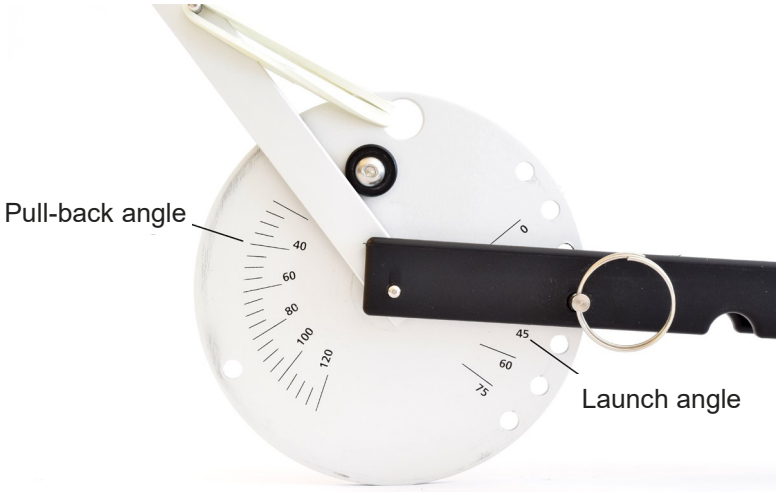
Variables

Independent variables you can adjust:

- Pull-back angle
- Launch angle
- Number of rubber bands
- Type of ball

Dependent variable to be measured:

- Distance traveled by ball



SCIENCE BUDDIES