# Piezo Element

WIRES GO TO
THE ARDUINO

$\frac{1}{8}$" THICK

2"

2"

$\frac{5}{8}$" IN DIAMETER

Simple machines:



ramp
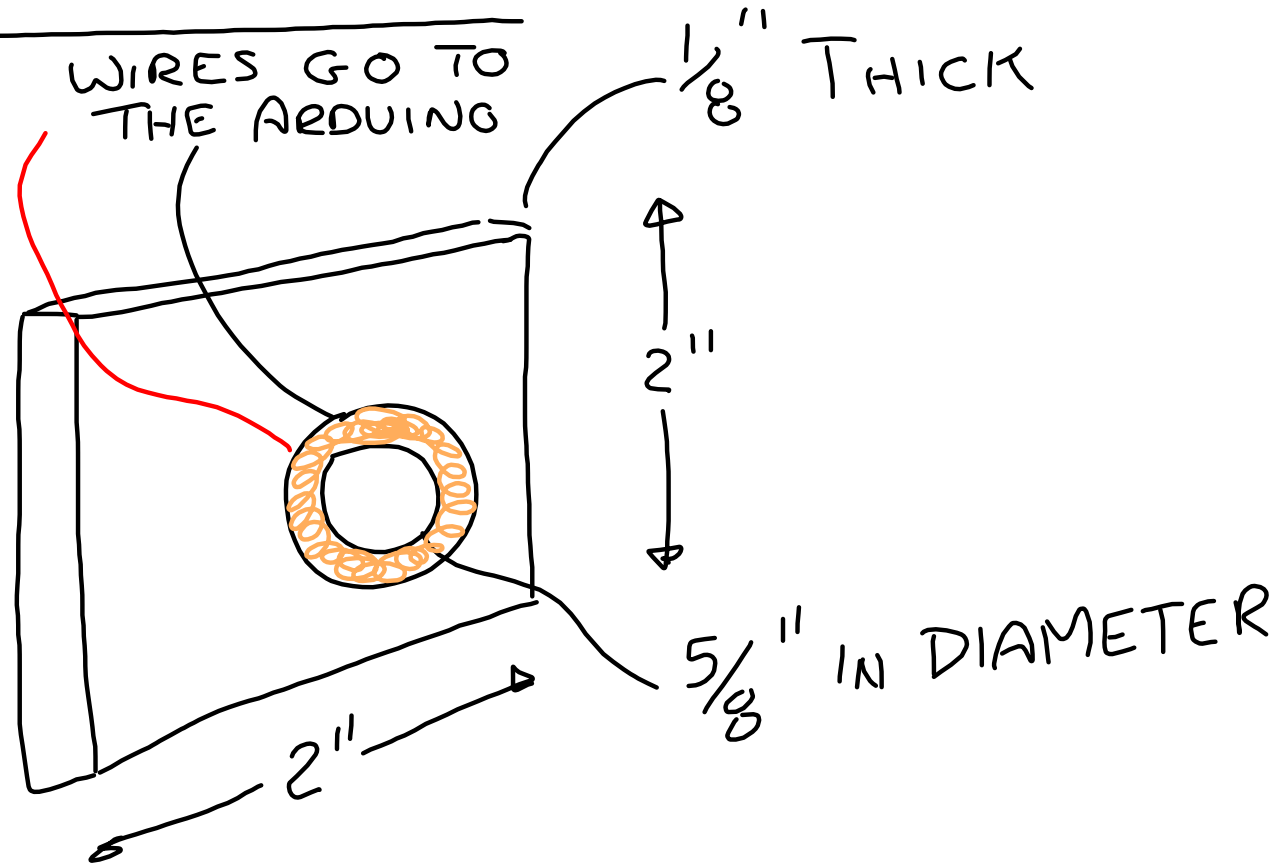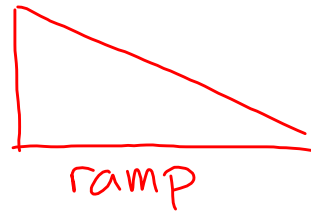
lever

pulley

• changes size & direction
• On RGM — gravity is the force we're changing

• changes size & direction
• On RGM you'll use it to reverse the direction of a force (& sometimes change size, too)

• change direction (if you have a "system" of pulleys, change size too)
• On RGM— change the direction of forces

You need FIVE simple machines on your RGM

- At least 1 lever, ramp, pulley
- At least 2 additional machines (not the same)
- Ex. 2 ramps, 2 levers, 1 pulley ✓
  1 ramp, 2 levers, 2 pulleys ✓
  ~~3 ramps, 1 lever, 1 pulley~~ ✗

DigitalWrite (Pin#, HIGH)
                          LOW

IT TURNS THE SPECIFIED DIGITAL PIN #
ON OR OFF.