This folder stores all of the relevant information for the circuitry component of this project.

As a summary, here is a list of materials that are used in this project:

* Arduino Uno \* 2
* Portable power banks \* 2
* 1 stepper motor (including the driver board)
* 2 servo motors (One motorized, one manual)
* 1 LED
* 3 LDRs (Light dependent resistor/photocells) that are 1.5mm in diameter
* Jumper Wires
* Resistors (5kohm \* 3, 330kohm \* 5)
* Headphone Jack Receptors \* 2
* Soldering iron/Soldering vent

Here is a list of files that are included in this folder:

* Laser and Obstacle.ino - includes the codes written to control the lateral sweeping motion of a laser (attached to a servo motor) and the rotation of the obstacle (attached to a stepper motor)
* Goal.ino - includes the codes written to allow three photocells to detect light/laser. Upon being hit with light, the LDR causes a change in signal which then causes the LED to light up
* Circuitry Case - A very basic design for a box that encases the circuitry so as to prevent tampering from kids (Import into Rhino using the pdf version)