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ARTS 054

Final Project Proposal

For my final project, I want to use the laser cutter to cut out pieces of acrylic (either transparent or colored) for me to build a little house with windows and a door. I’m going to use SketchUp to draw out the interlocking pieces of the house (like a gingerbread house) to make sure the structure can stand on its own. There will be four side, wall pieces and two roof pieces that will fit together without adhesive. The door will be etched into the acrylic while the windows will be carved out to allow the light to come out of the house.

I’m going to use the mini breadboard to put LEDs and maybe a speaker inside the house to make it light up when hooked up to the Arduino, which will also be inside the house. The house will have to have enough room for me to fit all of this inside of it, and will have to have a hole for the Arduino’s cable to fit thru to connect to a computer. The house will not have a bottom piece so that the Arduino can be set up and the structure can be put on top of the setup instead of having to get the Arduino inside the house.

List of parts:

* Arduino
* Cable
* Mini breadboard
* 4 LEDs
* Wires
* Resistors
* Laser cut pieces
* (Speaker)