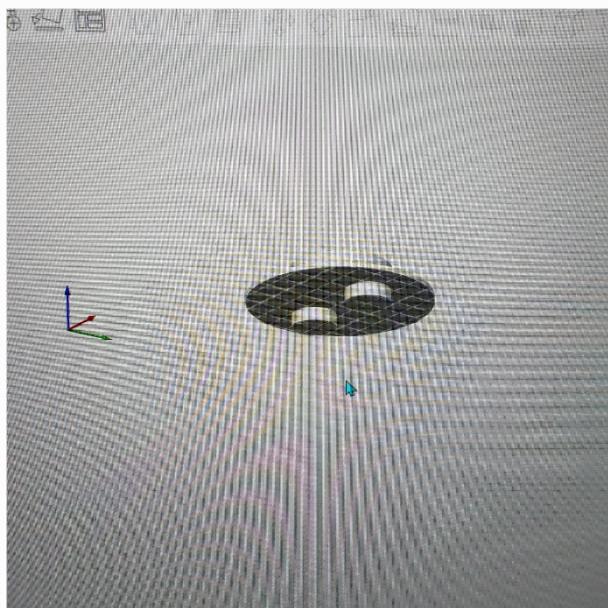
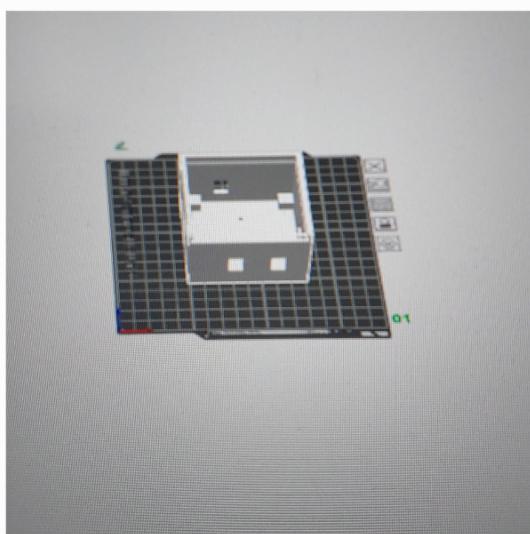


This week I primarily worked on the physical design of the project which is the mountings for the PCBs and the

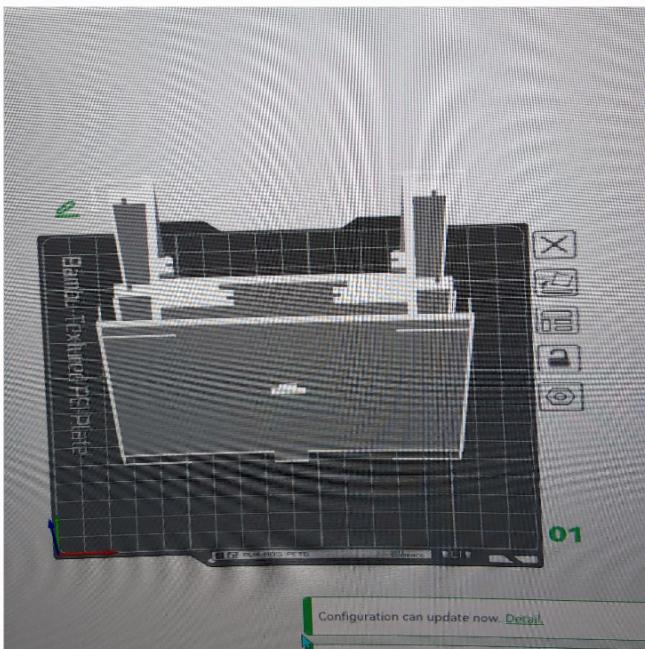


mountings for lights and dome board this attaches to the dome with a retaining plate since the dome has two holes in top the light will slot onto the top. This was completed on Monday 11/11.

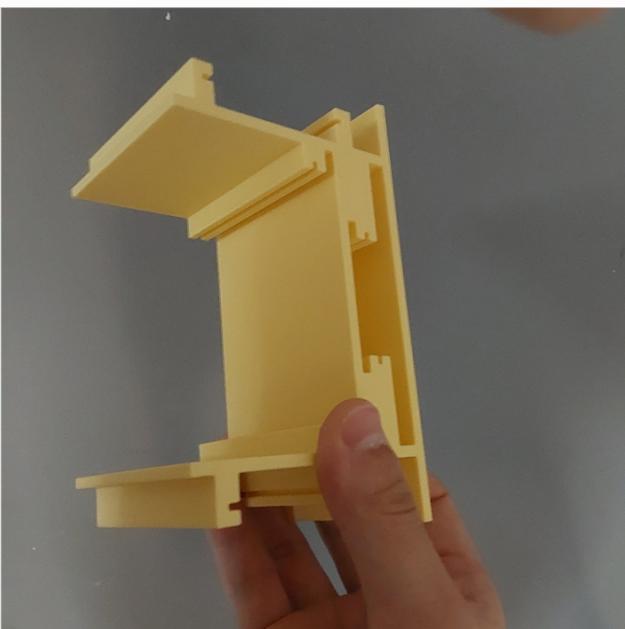
Dome box was made on 11/11 as well and printed on the same day



I started experimenting with pcb mountings on the sides.



The adapter connecting the dome and the pot has a slot for this to slide in for easy access. I opted for a sliding mechanism too based on the top of the dome so PCBs can slide in. I tested with a prototype and the fit was a bit tight so

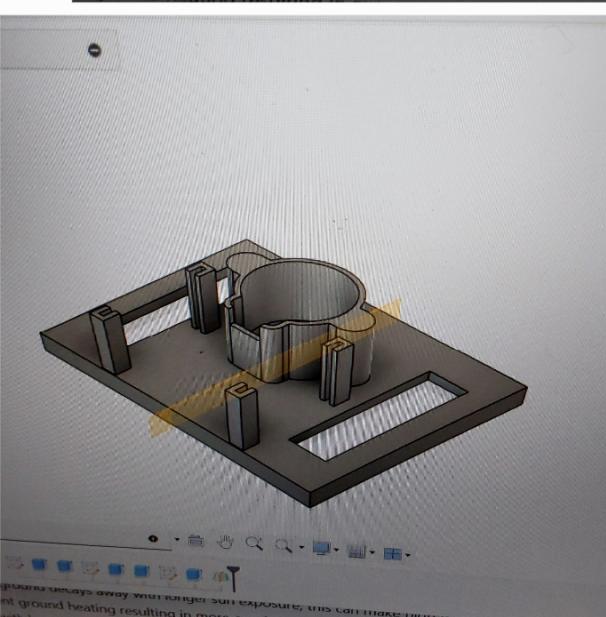
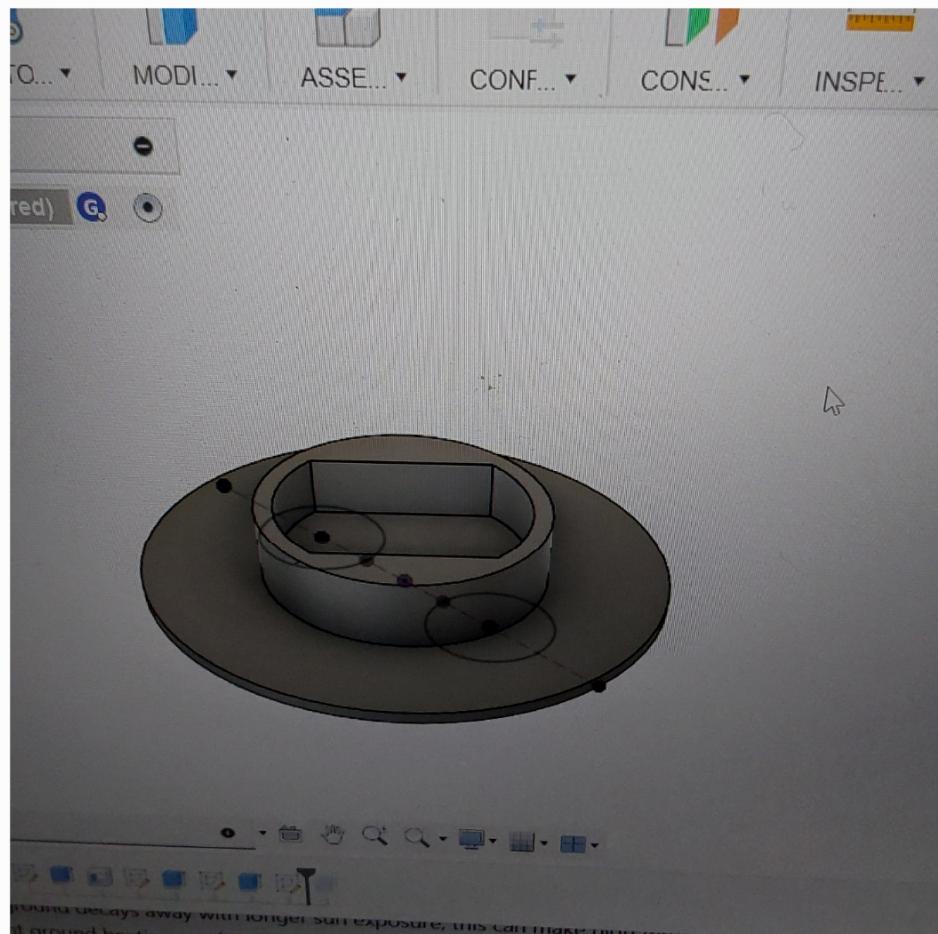


I added some width in the PCB slots. Above is the first prototype. With slots on the side for switch Drivers in front for the actuator PCBs and behind for the power board.

11/15

I CADDED and 3d printed a lamp holder and it mounts our grow light on the top of the dome

In addition a lid was made to mount the stepper motor for the shade



11/17 and 18

The Lid and Pot PCBs didn't work so me and morgan fixed it  
most of her fixes are listed below

We were also able to begin assembling and testing the  
firmware on the device and building the device up

On top is a new pcb mounting to utilize some of the misprint  
I had while making the pcb mountings

The actuator were also hot glued onto the dome  
Overall the device build is completed on 11.18 check  
programming notes.

