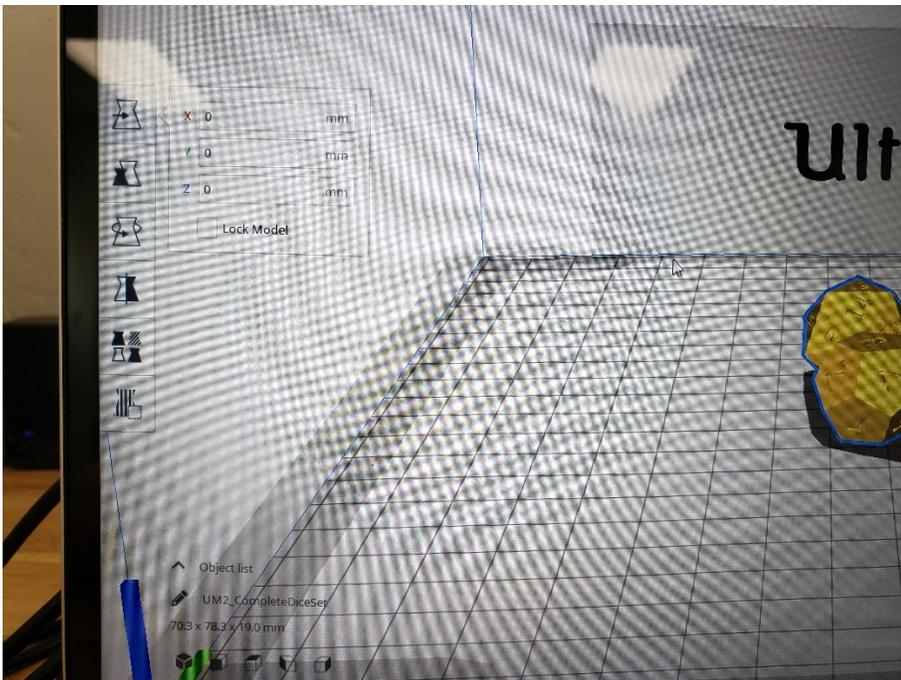


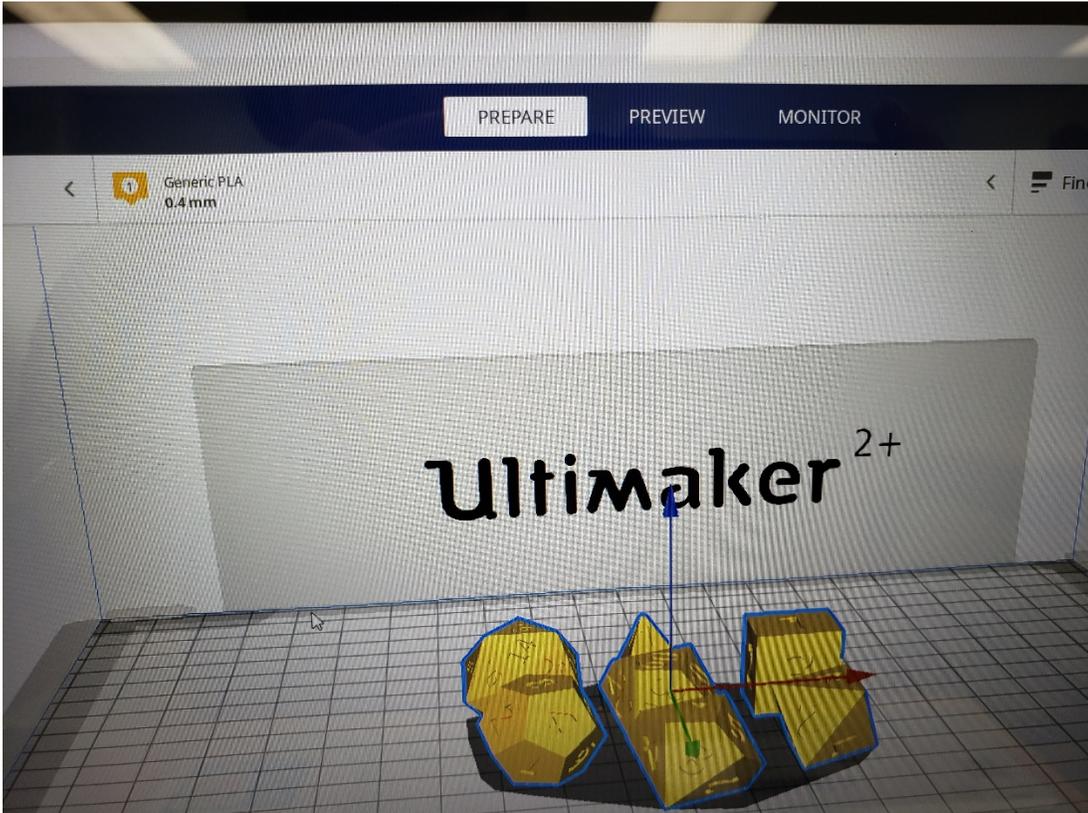
- First, find/create your object. Thingiverse.com is a great source for printable objects, or you could use a piece of software like Blender to create one.
- Next, place the SD card in the laptop, open Cura, and open the 3-D model you chose in Cura.



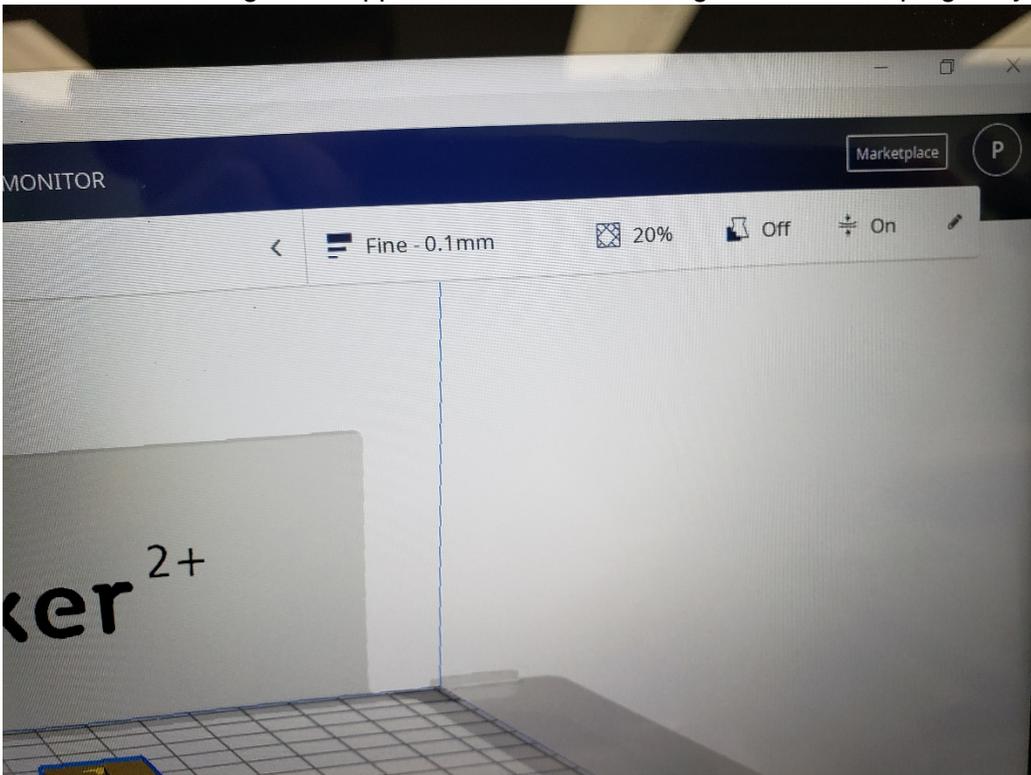
- Once the file is imported, you can move, scale, and rotate the object using the tools on the left of the window.



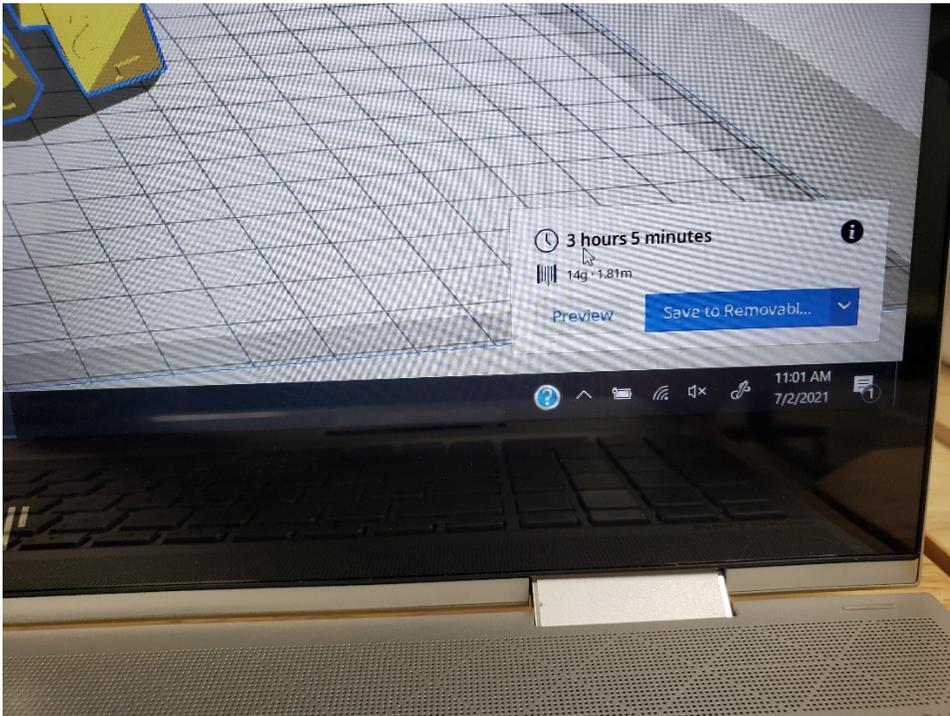
- The nozzle and material settings currently set should work, but if you change the material or nozzle ensure that the settings shown toward the top of the window match.



- You can also change the support/infill/adhesion settings toward the top right if you like.

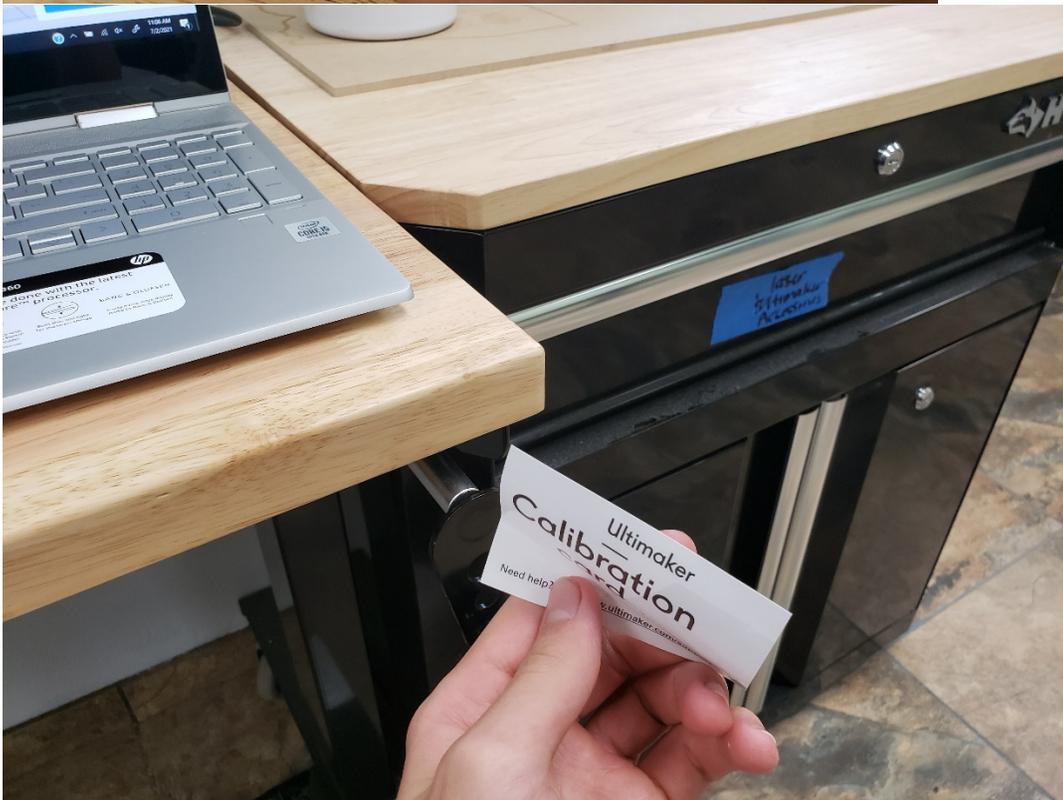


- When you are happy with the settings, click “Slice” in the bottom right of the window. It will give you an estimate of how much time the print will take. Then click “Save to removable drive.” This will save it in .gcode format to the SD card.

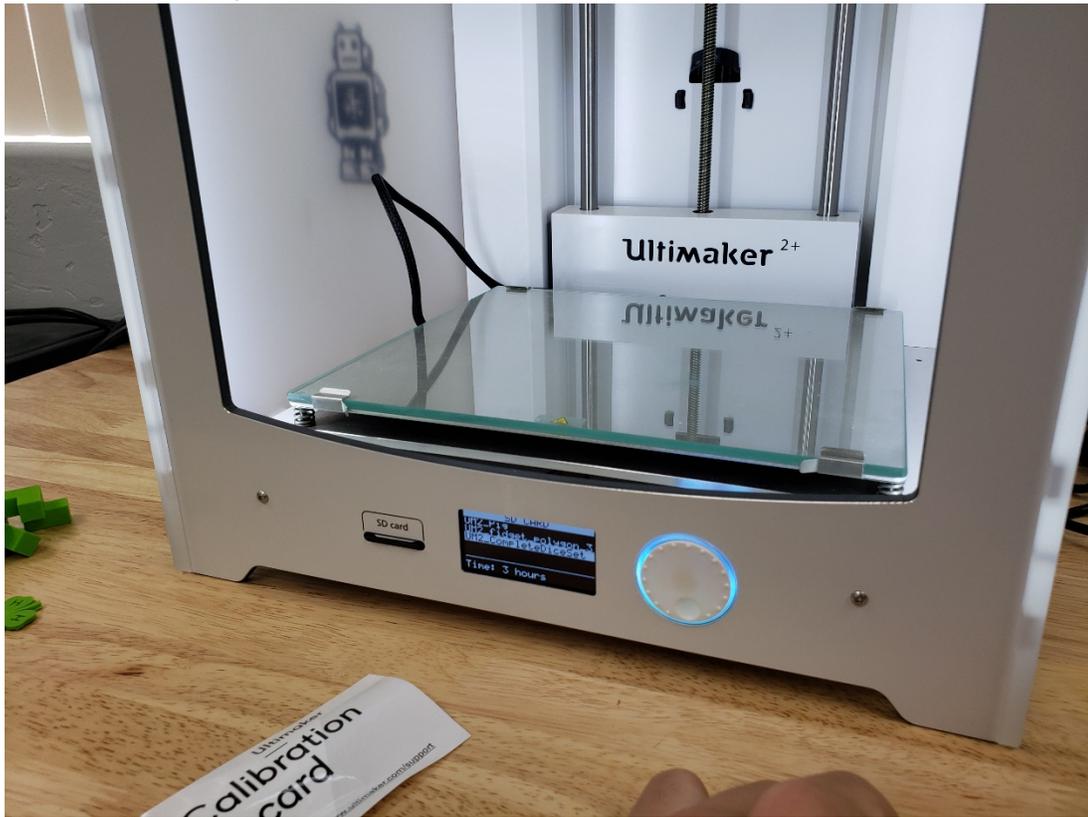


- To turn on the 3-D printer, flip the switch on the back.
- To level/prepare the build-plate, use the dial/button on the printer to click “Maintenance,” then click “Build-plate.” The printer will then display steps and walk you through the process. For the piece of paper it says to use, you can use the calibration card in the

drawer to the right of the printer. **This should be done before every print.**



- To print an object on the SD card, simply plug the SD card into the printer, then select Print -> *Your design name*.



- To change the material, click Material -> Change, then follow the on-screen instructions.



- To view maintenance instructions or gain more information on using the printer, view the manual at <https://support.ultimaker.com/hc/en-us/articles/360011811480-The-Ultimaker-2-user-manuals>