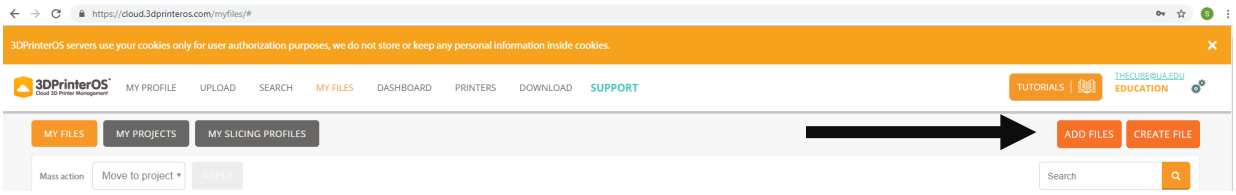
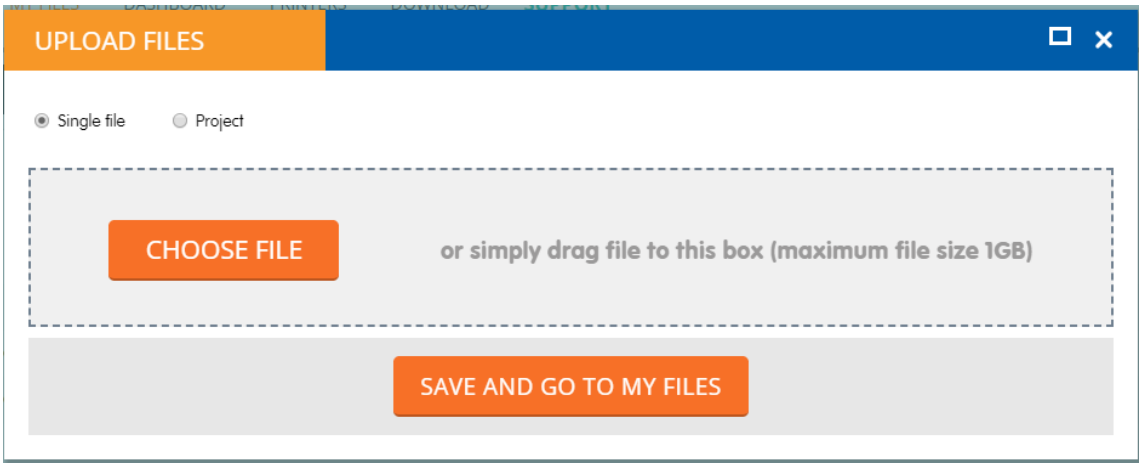
# Navigating 3DprinterOS

Once you have attended a 3DprinterOS class in The Cube these instructions can be used to refresh your memory on how to use 3DprinterOS

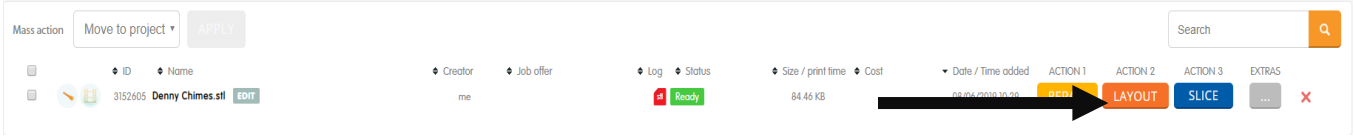
1. On the top left, click “add files”.



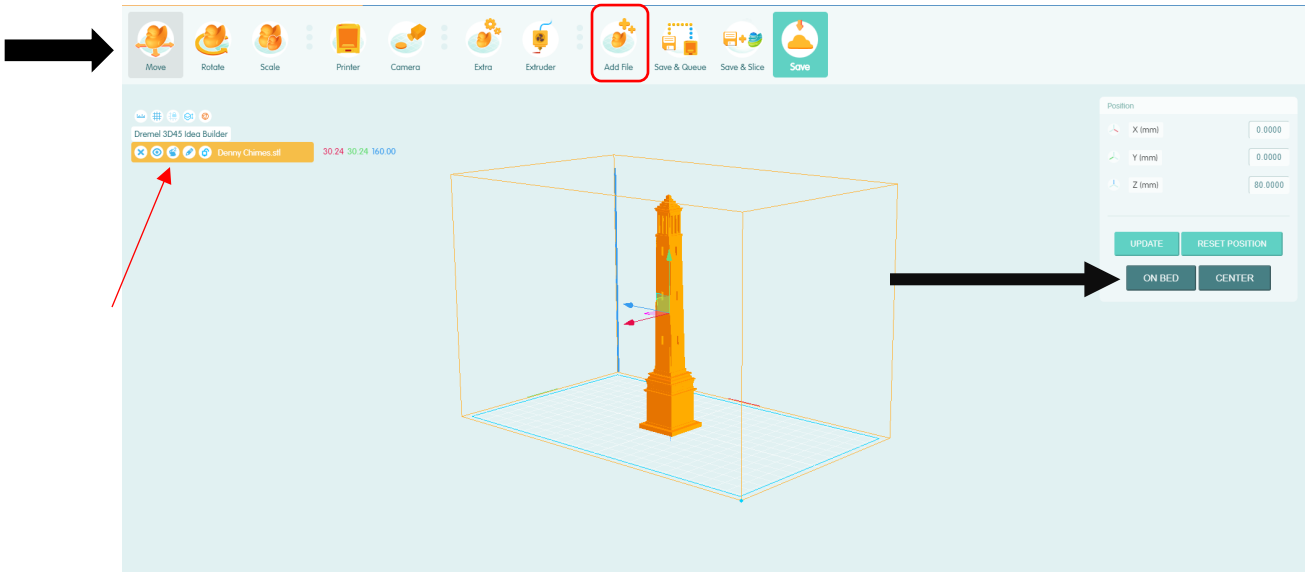

2. In the window that appears, you can either select “single part” or project if you will have multiple related parts. Then click “choose file”. Navigate to the .stl file you want to use and open it. Then click “save and go to my files”.




3. You should now see a list of your uploaded files, with your newest upload at the top. Click “layout” on the part you wish to print.

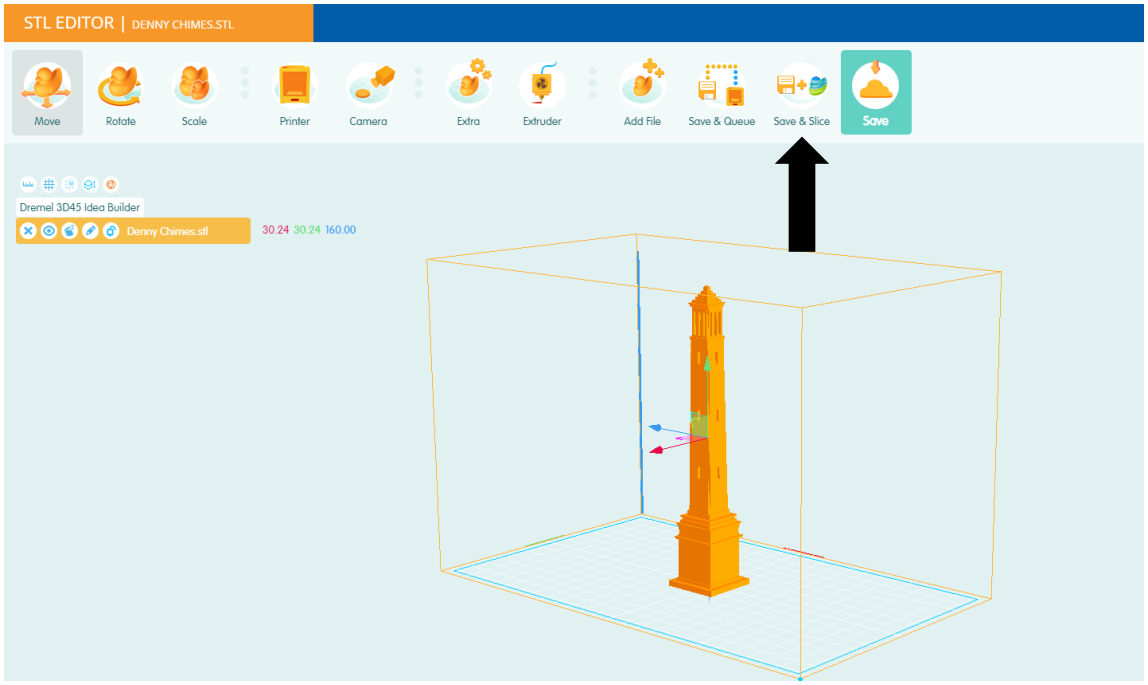


4. In the layout view, make sure that the Dremel 3D45 Idea Builder is selected under the printer type. Then use the move, rotate, and scale options to adjust your part on the print bed. Once your part is where you want it, be sure to select “on bed”.

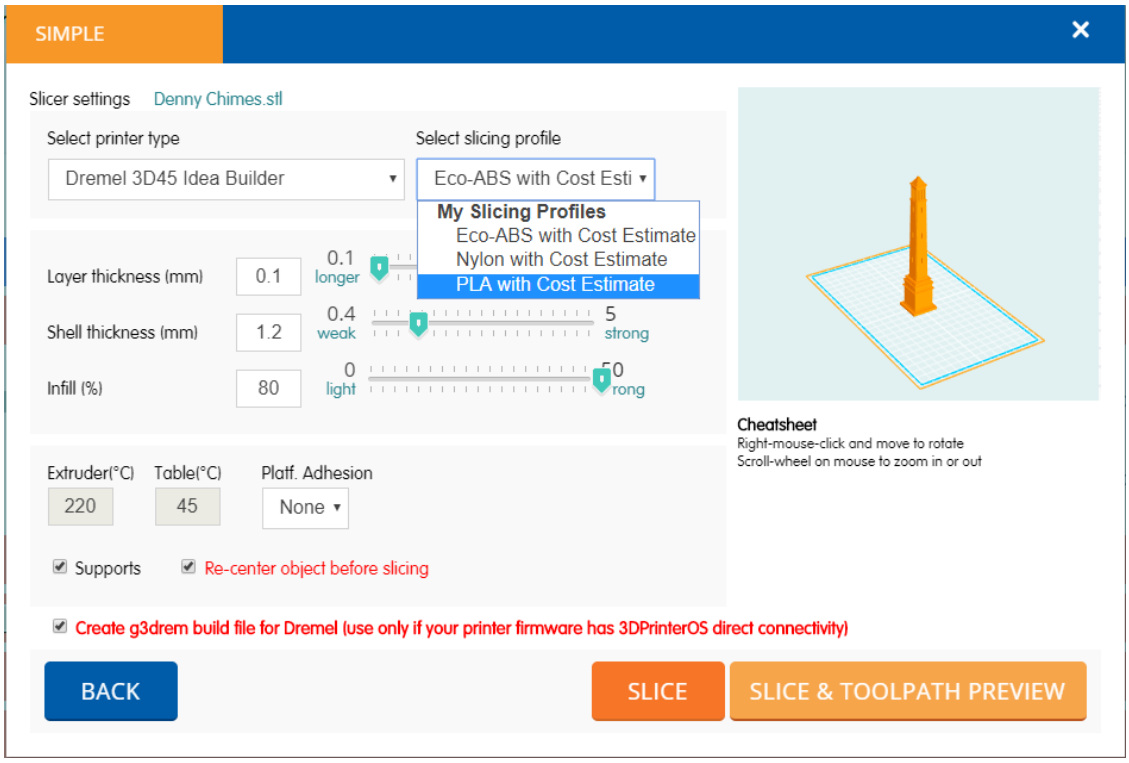



You can also copy parts and add different files to the same print bed.

5. Once you have your part laid out and have placed it on the bed, click “save and slice”.

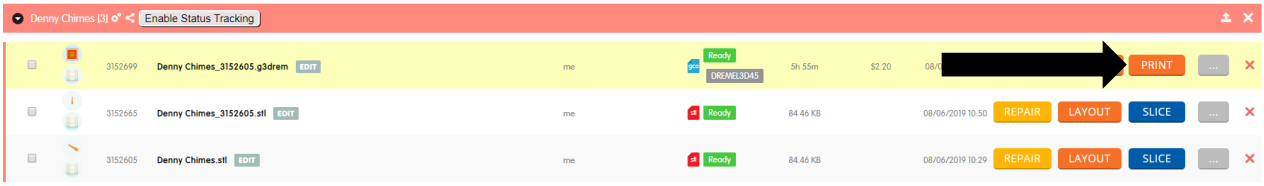


6. In the next window, the Dremel 3D45 Idea Builder should be selected under the printer type. Under slicing profile, select “PLA with cost estimate”. Set your layer thickness, shell thickness, and infill for your part. Uncheck “supports” if you do not think the part needs them. Then click “slice”.

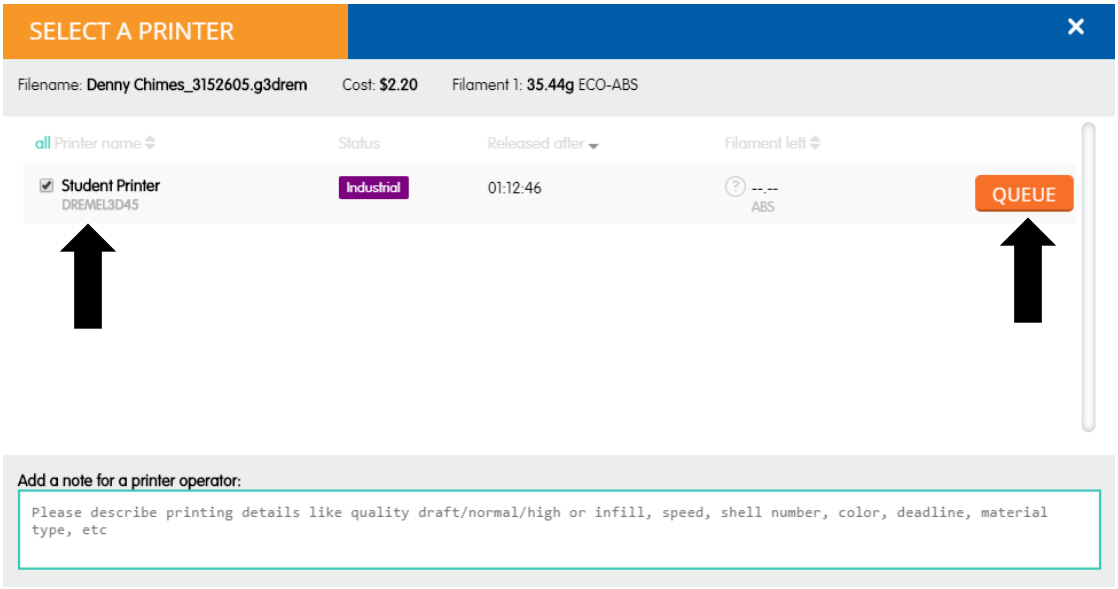



Layer Thickness is how fast the part will print.
Shell thickness is how thick the walls of the part are before the infill starts.
The infill is how dense the honeycombed inside of the part is.

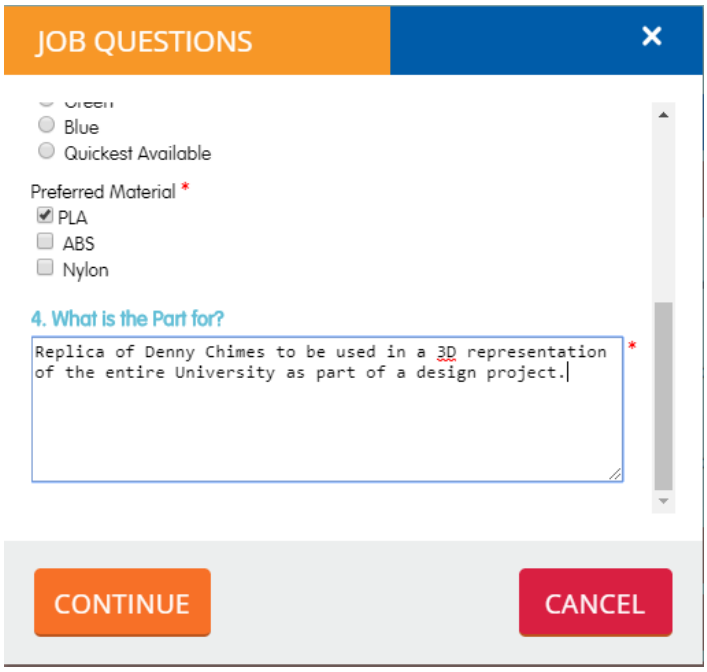
7. Once your part has been processed, click “print”.



8. In the next window, select “student printer” and click “queue”.




9. Answer the questions in the next window. Be specific when asked to summarize the part and what it is for. When finished, click “continue”.




10. A message will appear stating your project has been submitted and is pending approval. Check your e-mail for any follow-ups concerning your print job.