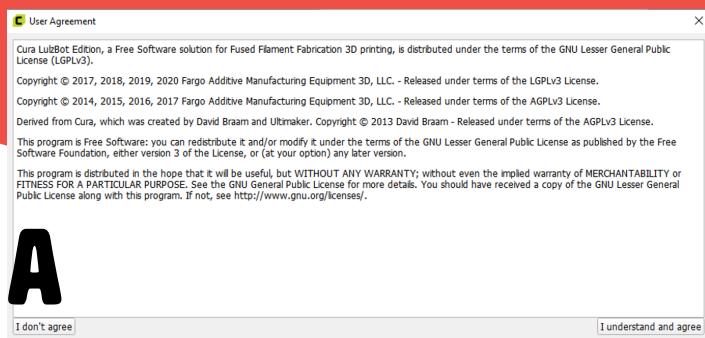
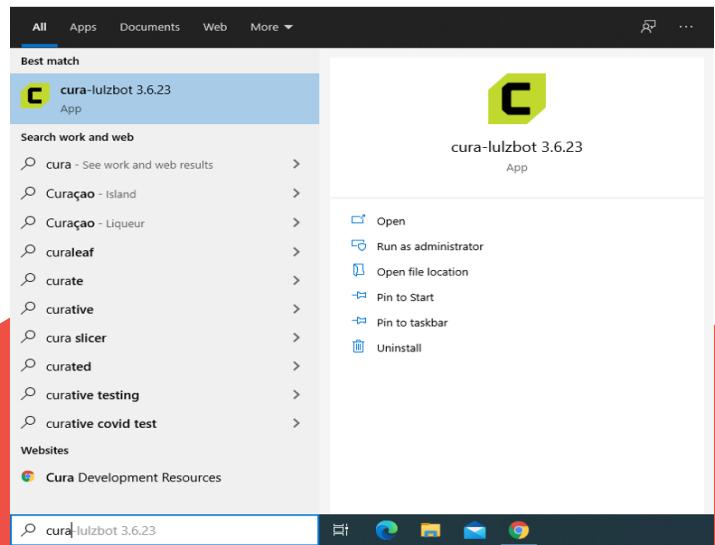




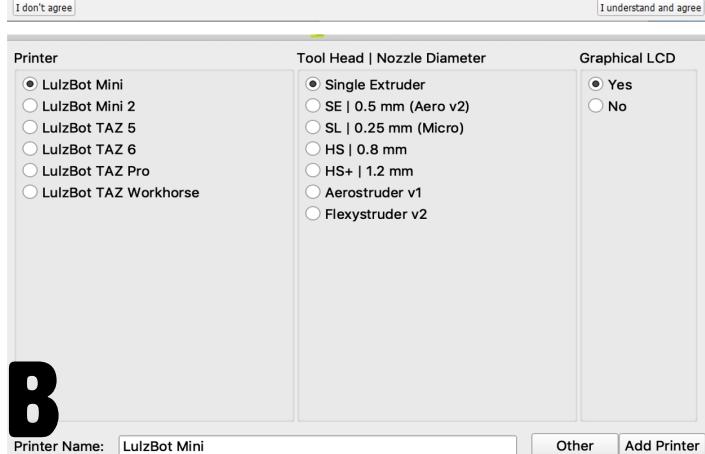
FILE PREP IN CURA:

STEP 1:

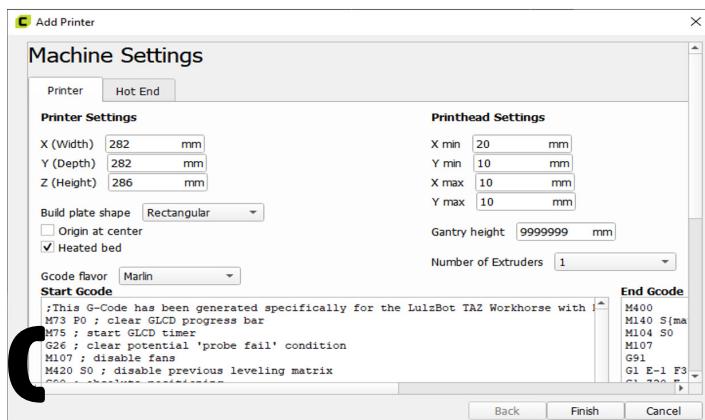
Use the taskbar to find and open Cura on the Makerspace 3D printing computers.



A



B



C

STEP 2:

Complete the start-up tasks

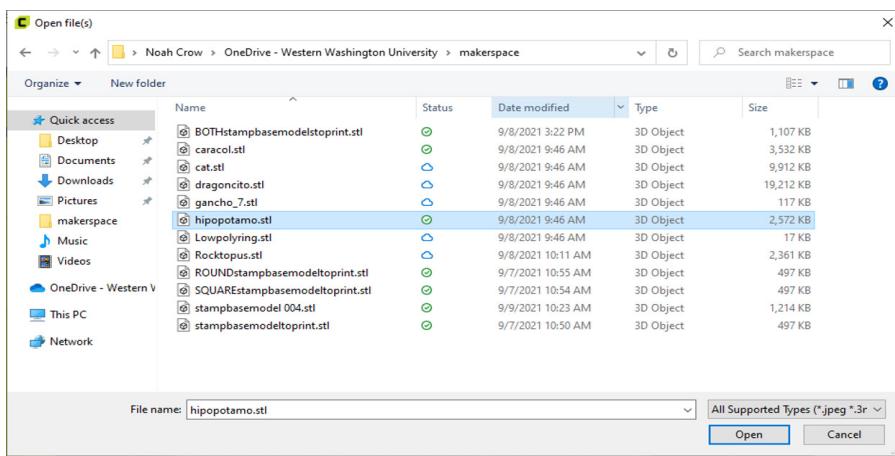
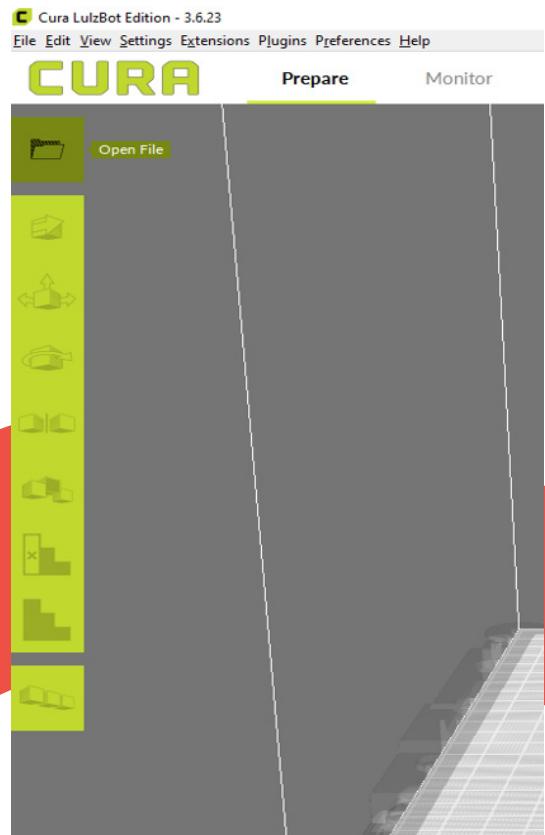
A Under 'User Agreement,' click 'I understand and agree'

B Under 'Printer,' select Lulzbot TAZ Workhorse and under 'ToolHead|NozzleDiameter,' select HE | 0.5mm, then click the 'Add Printer' button.

C Under 'Machine Settings,' click 'Finish'

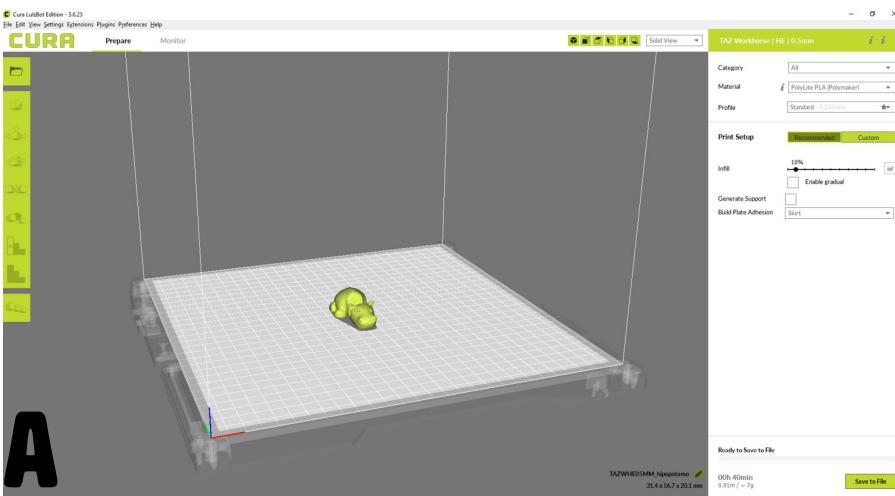
STEP 3:

In the upper left corner, select the 'Open File' icon



STEP 4:

Select the .stl file you would like to print and click 'Open'

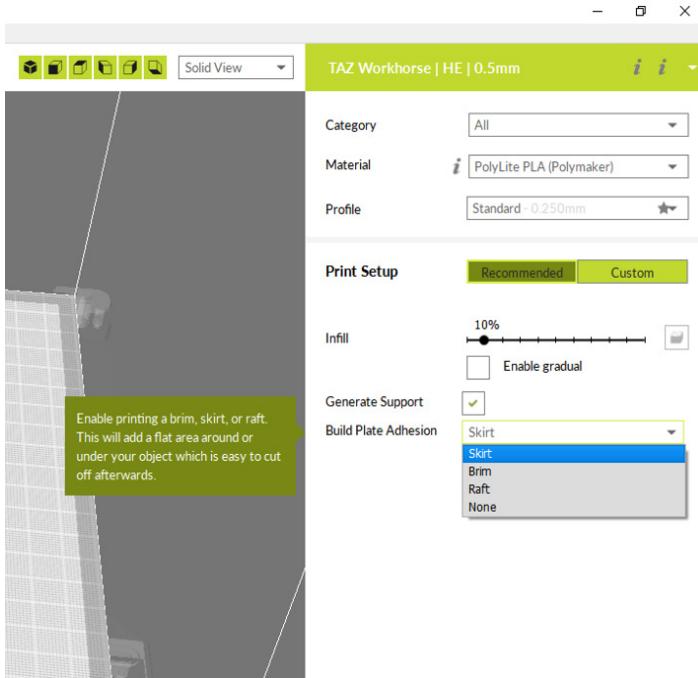
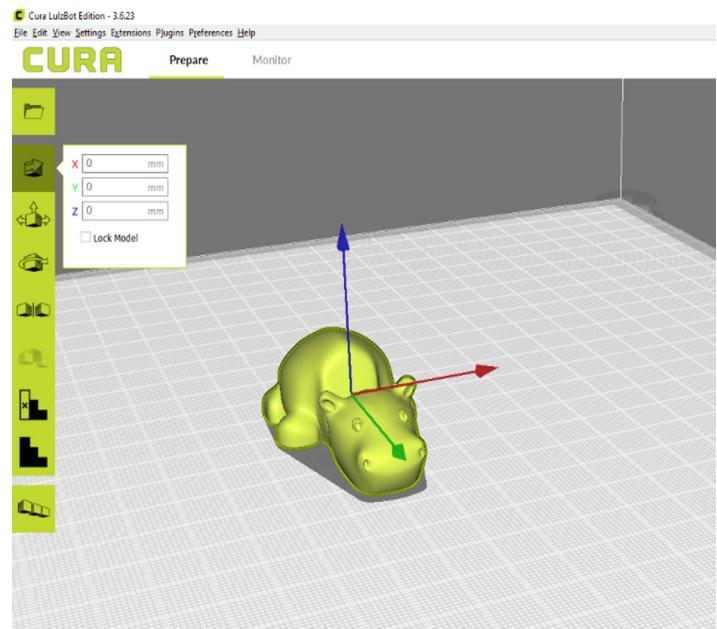


A Your object should appear in the center of the build plate

STEP 5:

Manipulate your object as you wish by clicking on it and using the left-hand taskbar

-The task bar includes tools to move, scale, rotate, mirror, and multiply your object

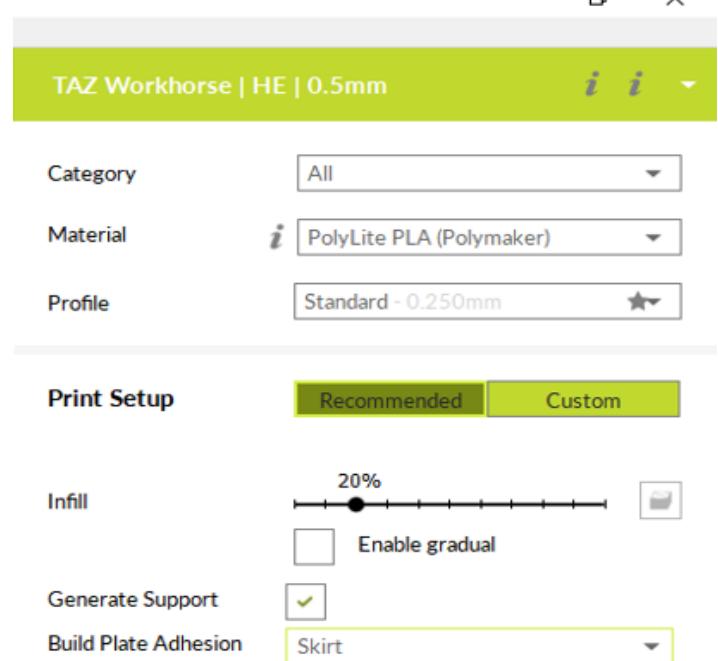


STEP 6:

Under Print Setup on the right-hand side of the screen, select 'Skirt' from the Build Plate Adhesion drop-down menu

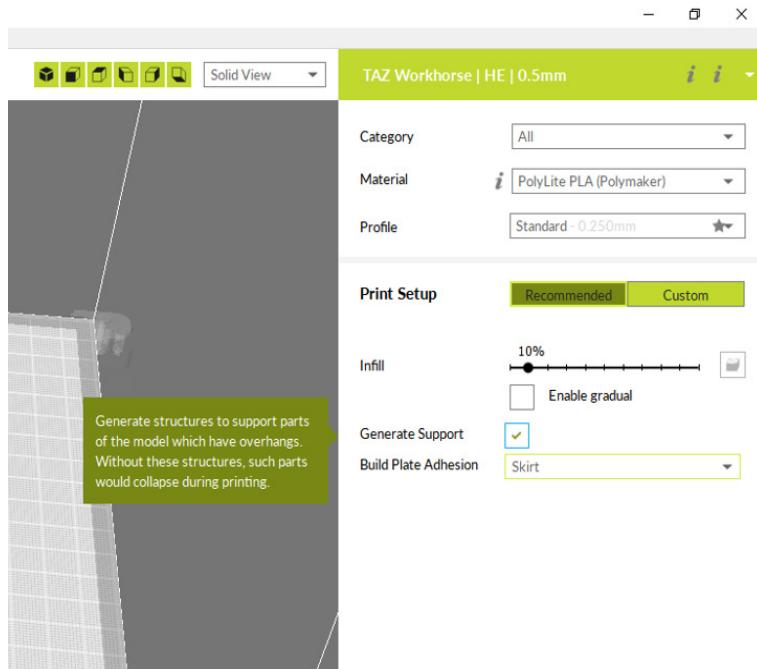
STEP 7:

Set the Infill slider to 20% infill
(appropriate for most builds)



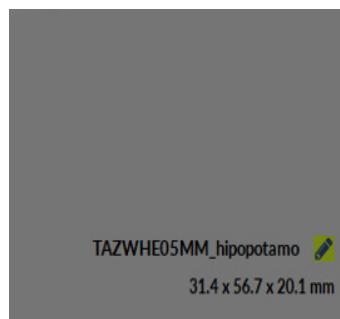
STEP 8:

If your object has large overhanging areas, click 'Generate Support' under Print Setup on the right-hand side of the screen.



STEP 9:

Check the estimated print time in the bottom right corner of the screen. Larger and more complex objects will take longer to print than small simple objects. Manipulate/scale your object as needed to alter print time.



SAVE TO FILE



STEP 1:

Remove the SD card from the SD card slot on the left side of the TAZ Workhorse printer (if the printer is not currently in use!)

STEP 2:

Insert it into the card reader for the 3D printing computer.



STEP 3:

Click the drop-down arrow next to "Save to File" and select "Save to Removable Drive"

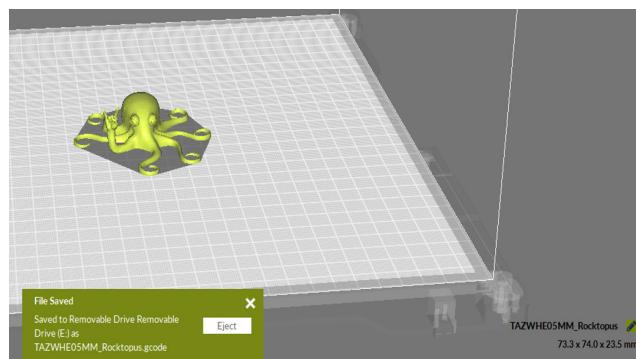
Ready to Save to Removable Drive

00h 39min
0.85m / ~ 6g

Save to Removable Drive

STEP 4:

Click the "Save to Removable Drive" button, then click "Eject" on the pop-up window that appears on the bottom of the screen. The SD card can now be safely removed from the card reader.



Ready to Save to Removable Drive

00h 39min
0.85m / ~ 6g

Save to Removable Drive

Eject to Removable Drive (E:)

START PRINTING

STEP 1:

Make sure the print bed is fully cleaned off (remove any plastic scraps or strings, brush off glue debris into dustpan).

STEP 2:

Use glue stick to apply a thin layer of glue to print bed in intended print location (this will help adhere your part to the bed).



STEP 3:

Re-insert the SD card into the card reader on the 3D printer.

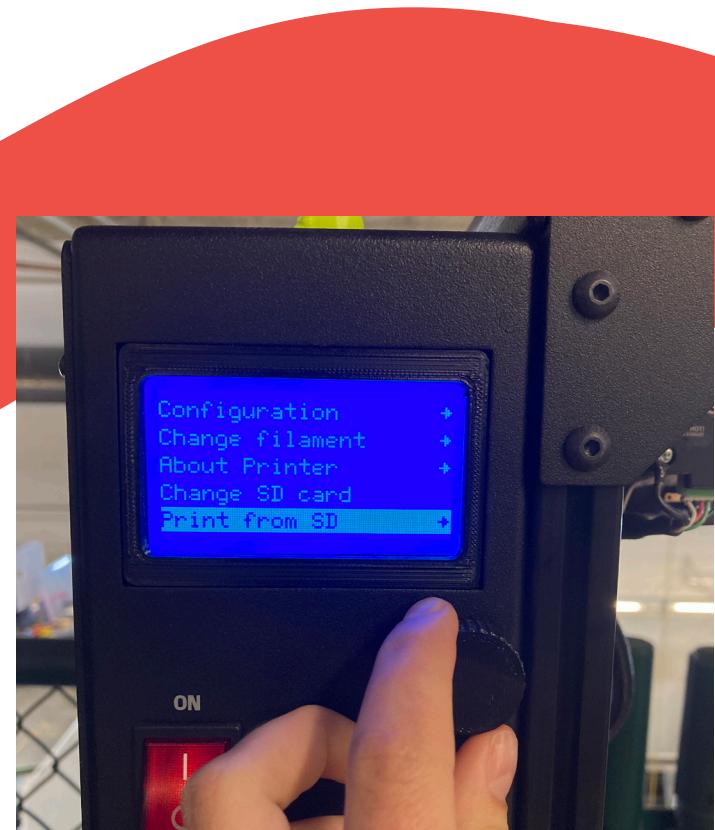
STEP 4:

Flip the red button to the 'On' position to turn the printer on.



STEP 5:

Press on the knob to go to the selection menu.

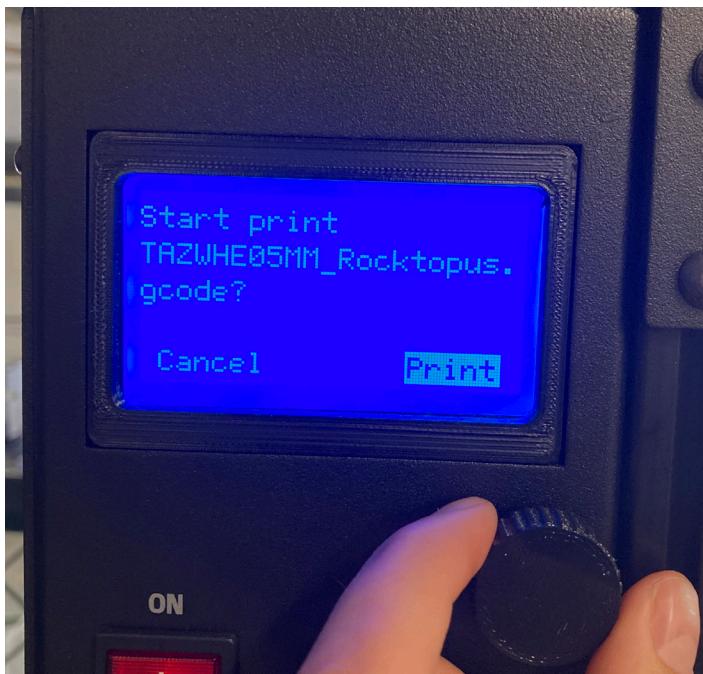
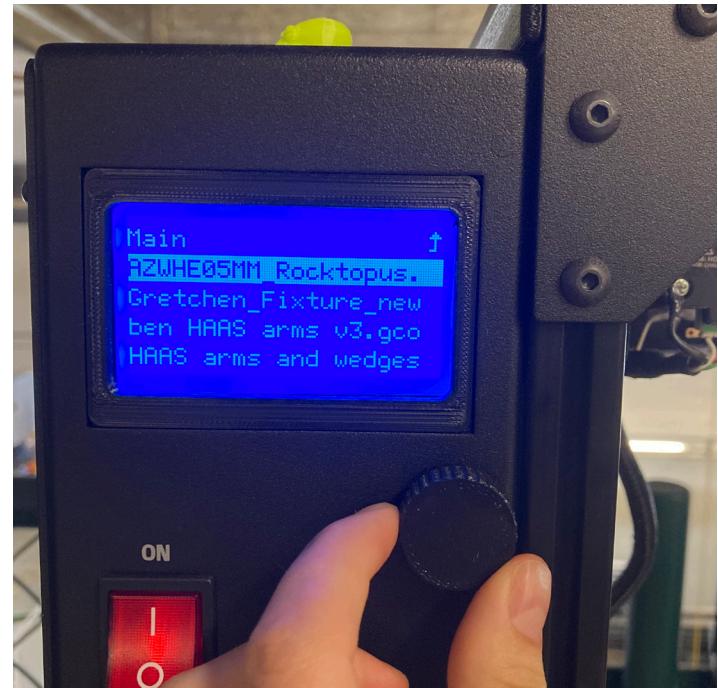


STEP 6:

Use the knob to scroll down until you reach 'Print from SD'. Press the knob again to select.

STEP 7:

Scroll down until you reach your file (it should be at the top of the list) and press on the knob to select it.

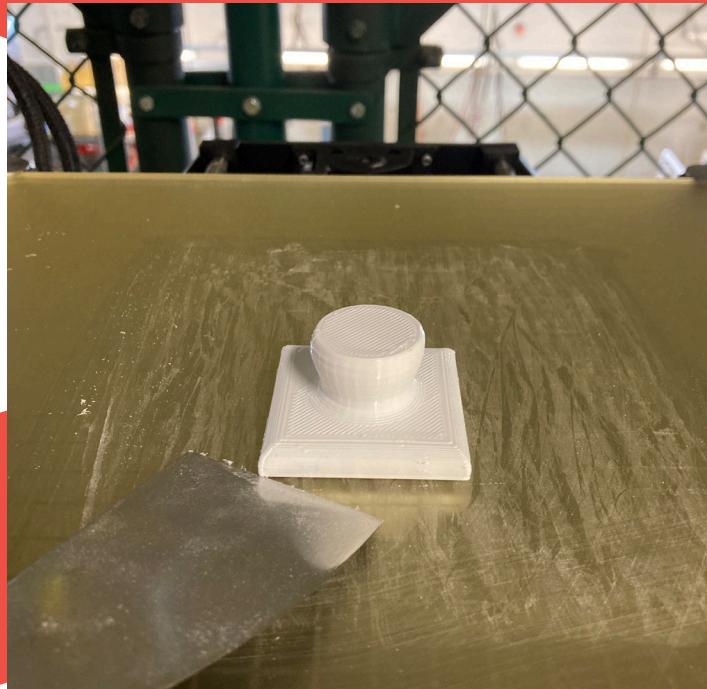


STEP 8:

Scroll over to 'Print' and press to select.

STEP 9:

If you need to pause or stop your print, press on the knob and select 'Pause print' or 'Stop print', or find a Makerspace staff member to help you out.



STEP 10:

Once the print is complete, use the metal spatulas to remove your object from the build plate. Clean any excess debris from the plate.

STEP 11:

Flip the red button to the 'Off' position to turn the printer off.