



PRUSA XL 3D PRINTER INSTRUCTIONS

The “Prusa Slicer” software is installed on the desktop computer in the MakerSpace, as well as Computers 1, 34, and 44 in the Library Computer Area.

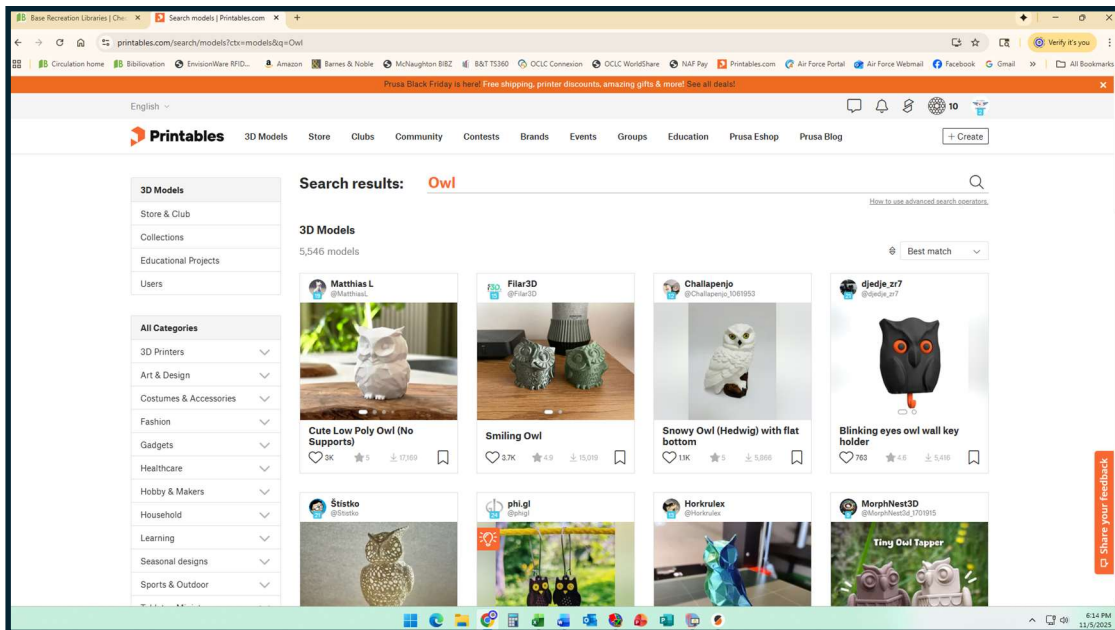
These computers are already linked to the Prusa XL printer and will be easiest to use.

3D PRINTING INSTRUCTIONS

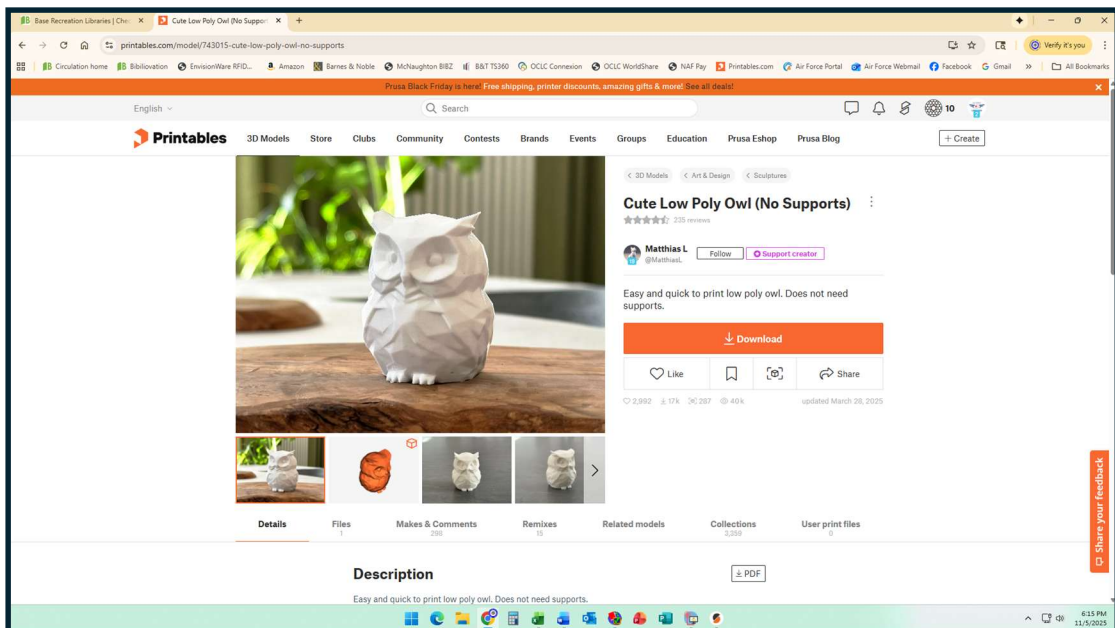
PRUSA-XL PRINTER

1. Choose an item to print. **PRINTABLES.COM** is easiest as it is affiliated with Prusa and connects directly to the Prusa-XL printer.

To use a different source such as THINGIVERSE.COM go to Step 5 on Page 4.

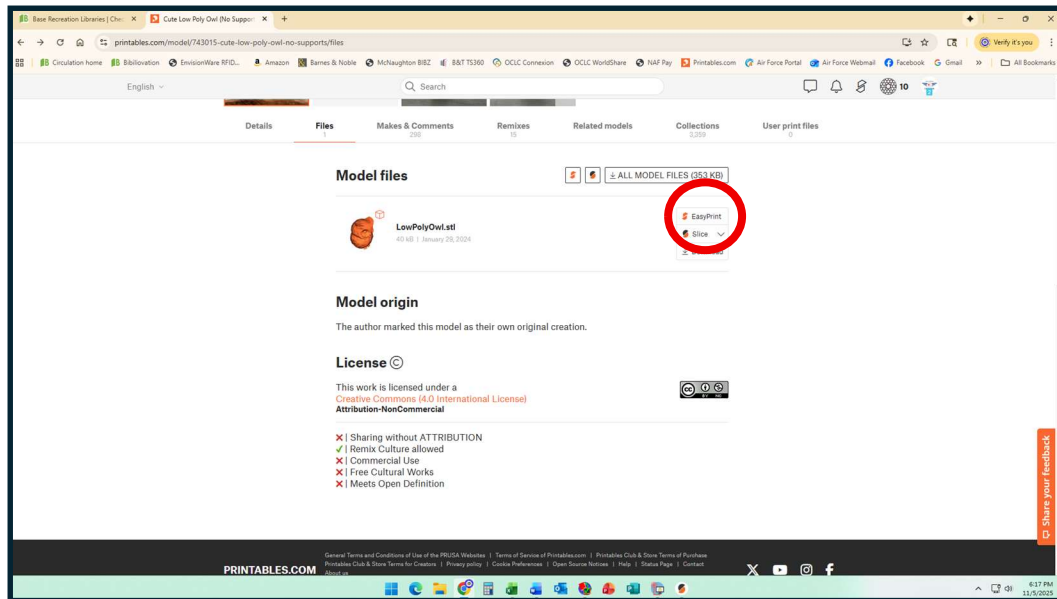


2. Select 3D model and click DOWNLOAD.

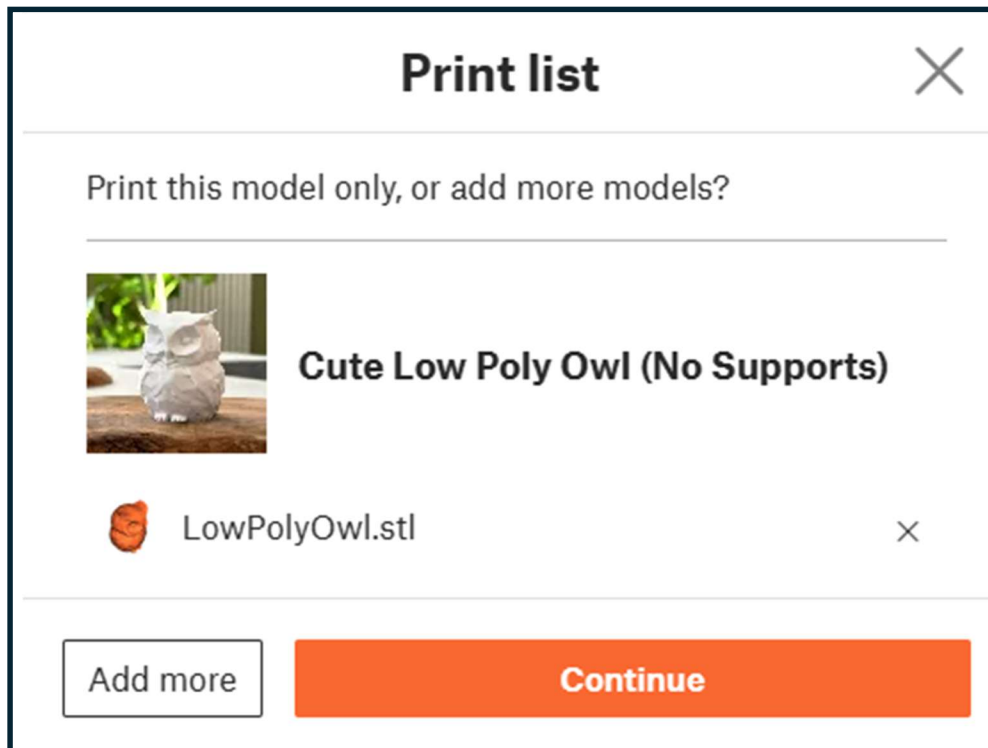


3D Printing Instructions (Prusa)

3. Click on EASYPRINT



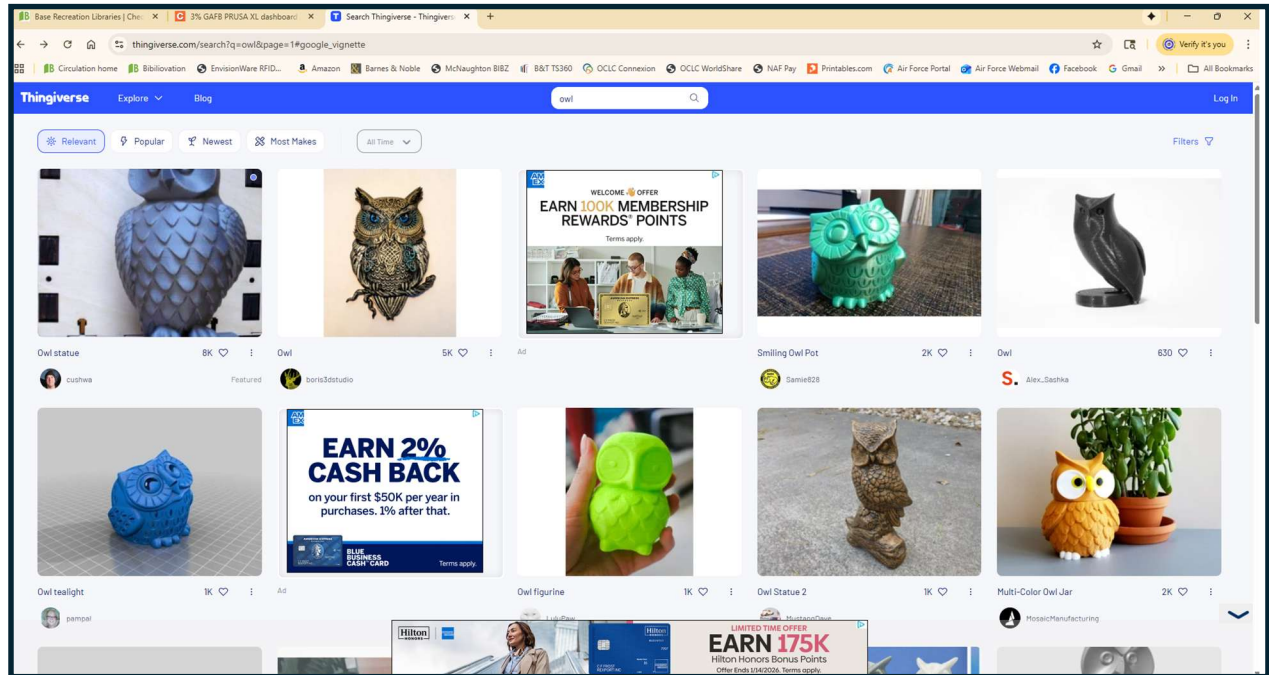
4. Click on CONTINUE. This will open your project in the Prusa printing program ("Prusa Slicer").



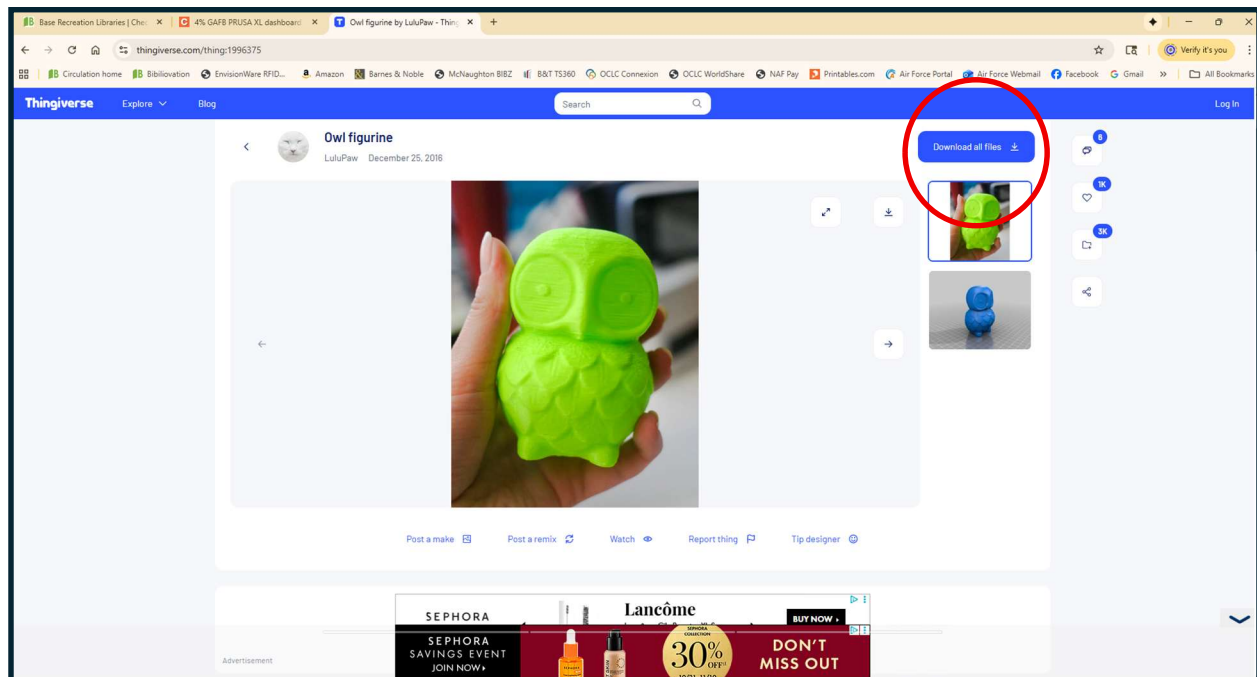
Go to STEP 9 to continue.

3D Printing Instructions (Prusa)

5. To print a 3D project from THINGIVERSE.COM or another site, find the file you want to print and select it on the website.

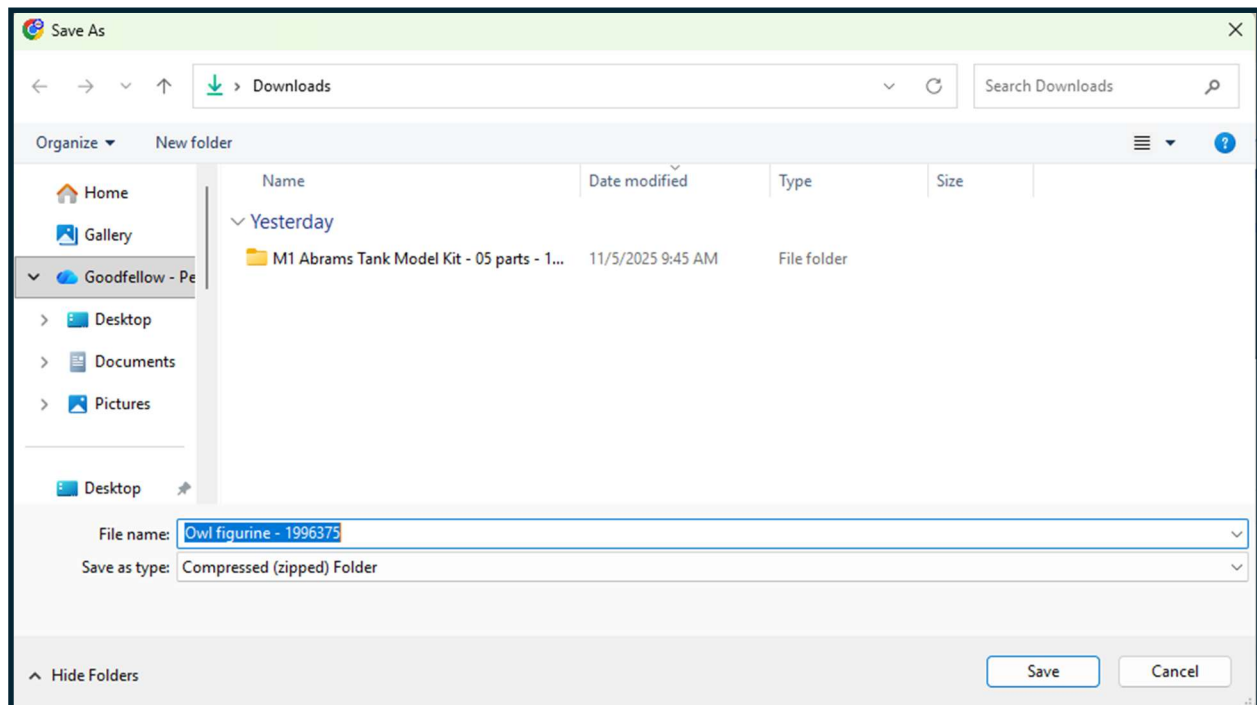


6. Click DOWNLOAD

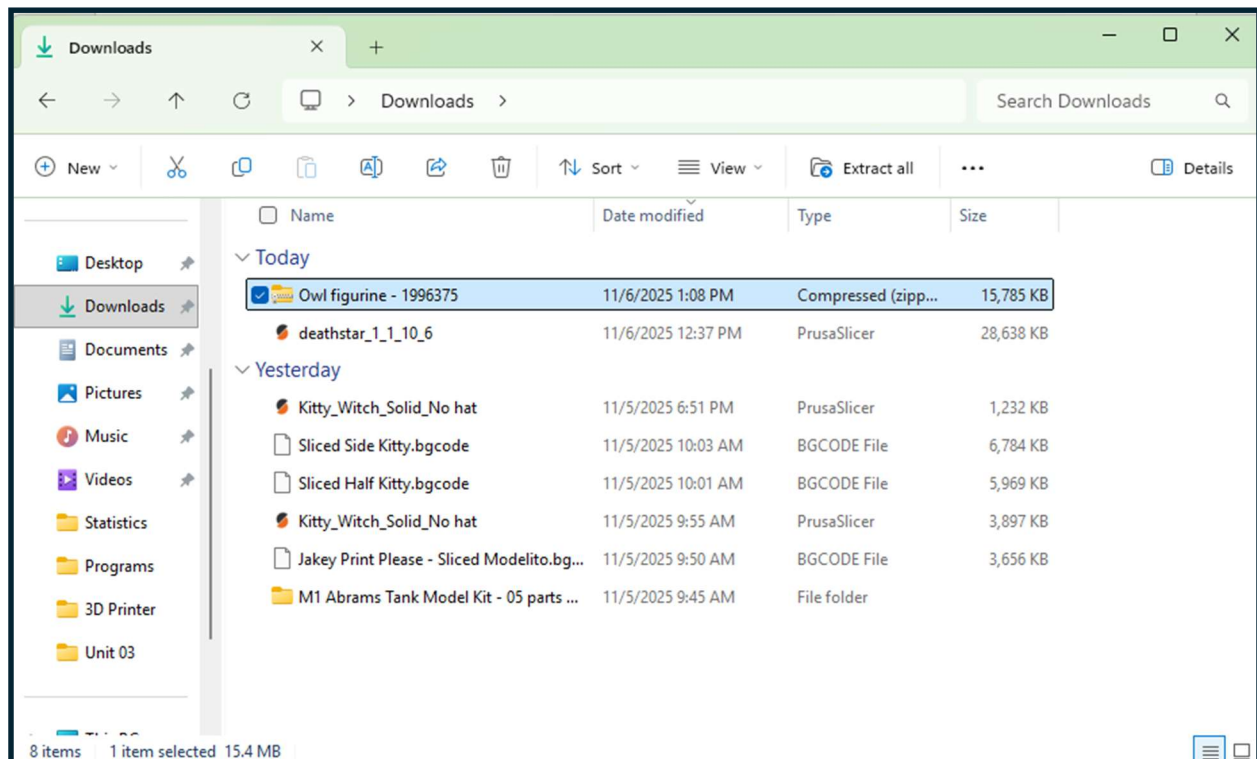


3D Printing Instructions (Prusa)

7. Save the 3D Print file to the DOWNLOADS folder.

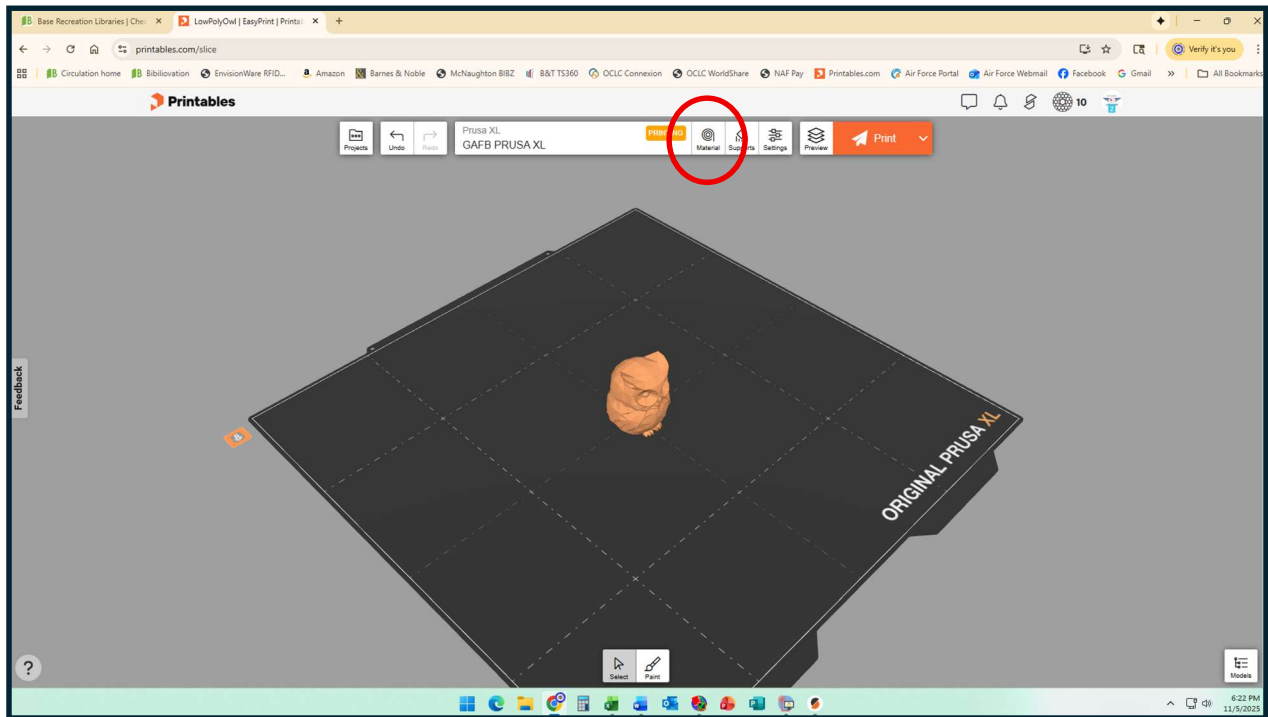


8. Navigate to the DOWNLOADS folder and double-click the file name of your download. The file will probably be in a subfolder called Files. This will open your file in the Prusa printing program ("Prusa Slicer").

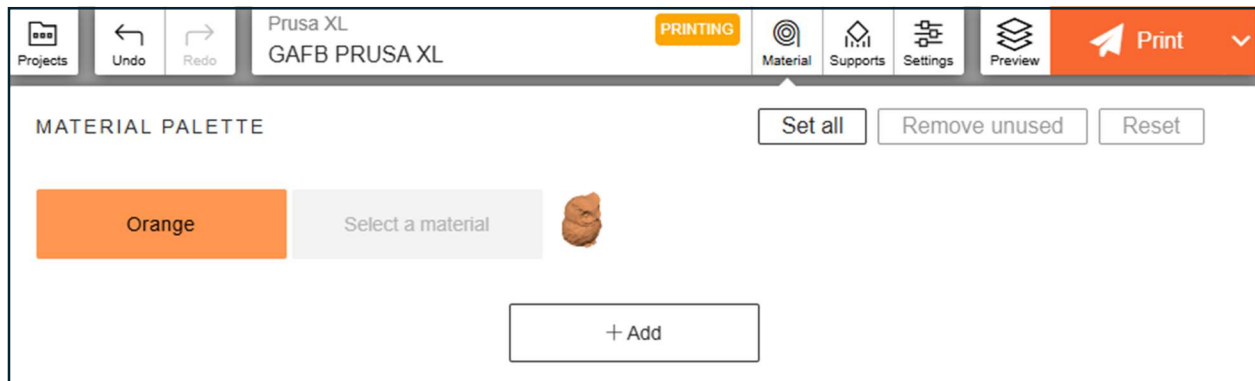


3D Printing Instructions (Prusa)

9. Adjust settings for the print. Click on MATERIAL.

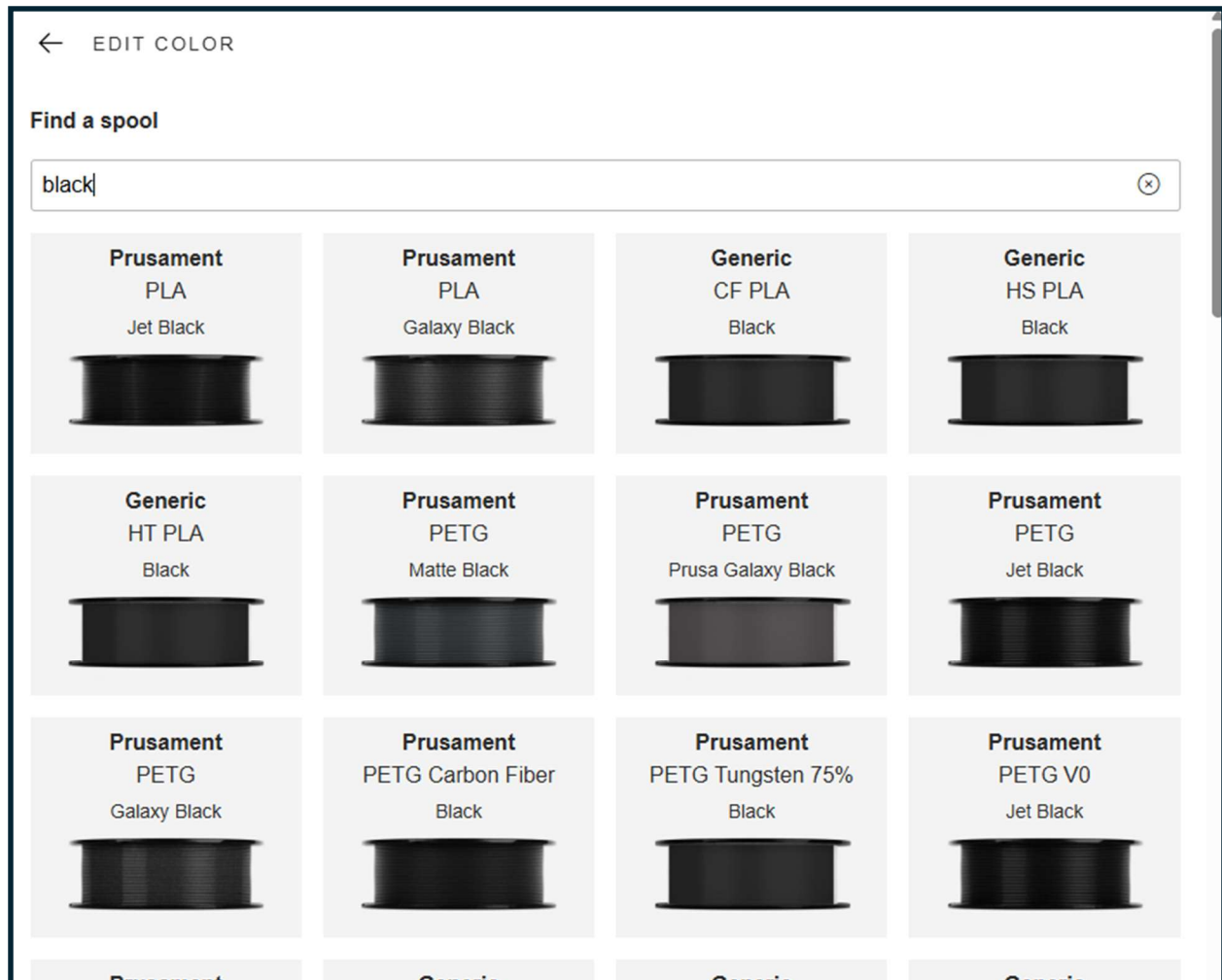


10. Click the color to change to your desired filament color.

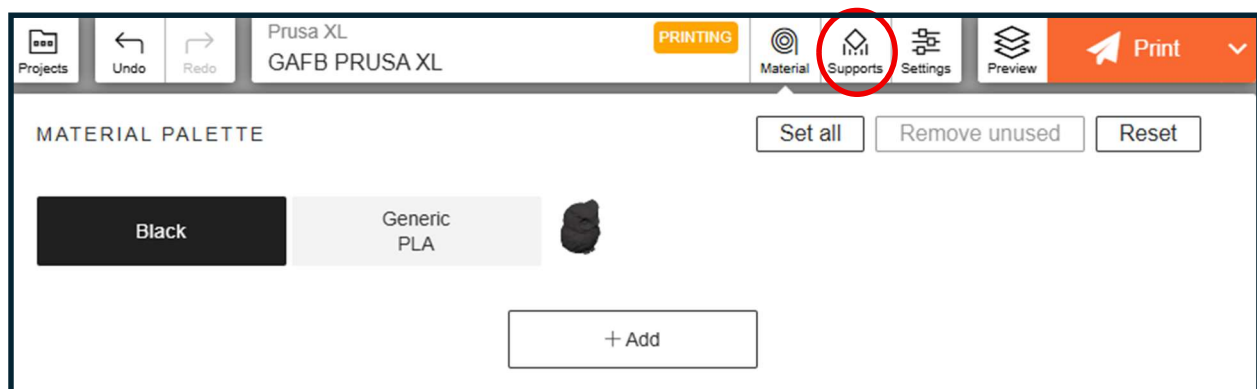


3D Printing Instructions (Prusa)

11. Type in the name of the color you want and scroll down to find the appropriate color.
Most of our filament is **Generic PLA**. Ask for help for specialized filament colors.

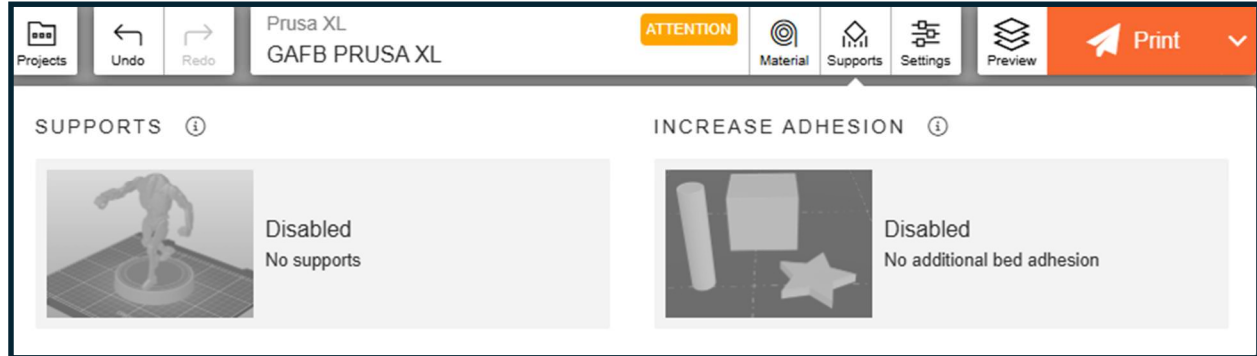


12. Click on SUPPORTS.

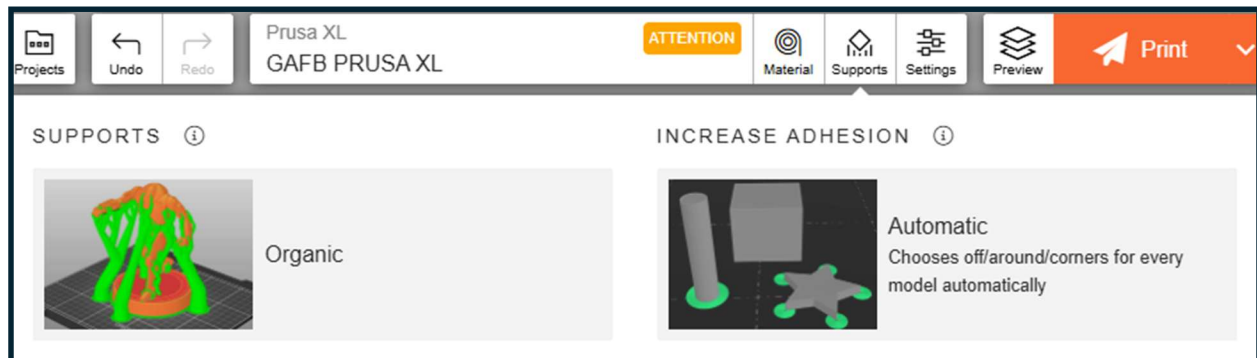


3D Printing Instructions (Prusa)

13. Click on SUPPORTS to add supports if necessary. Projects with appendages out in the open, such as the Statue of Liberty will need supports to keep from collapsing. Projects that are monolithic objects, such as the Washington Monument, will probably not need supports. “Organic” is a safe option for supports.

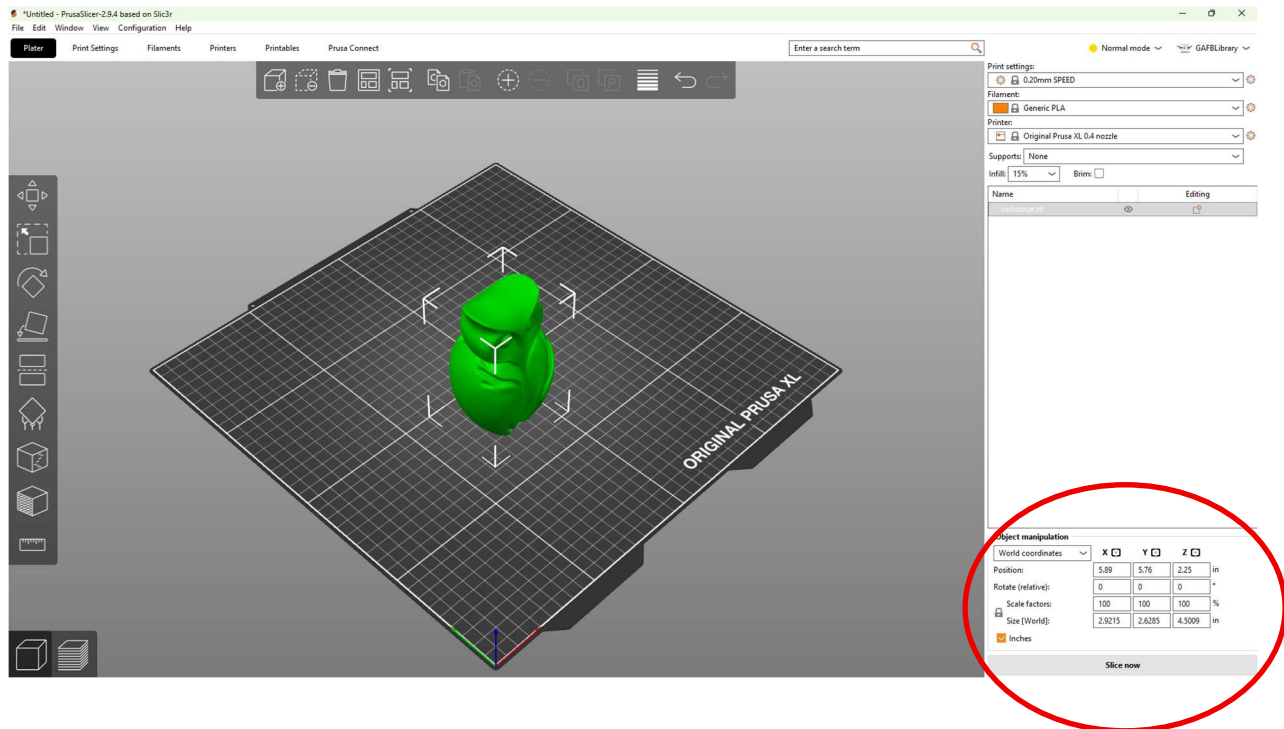


14. Click on INCREASE ADHESION. “Automatic” will prevent the project from moving around on the build plate during the build.



3D Printing Instructions (Prusa)

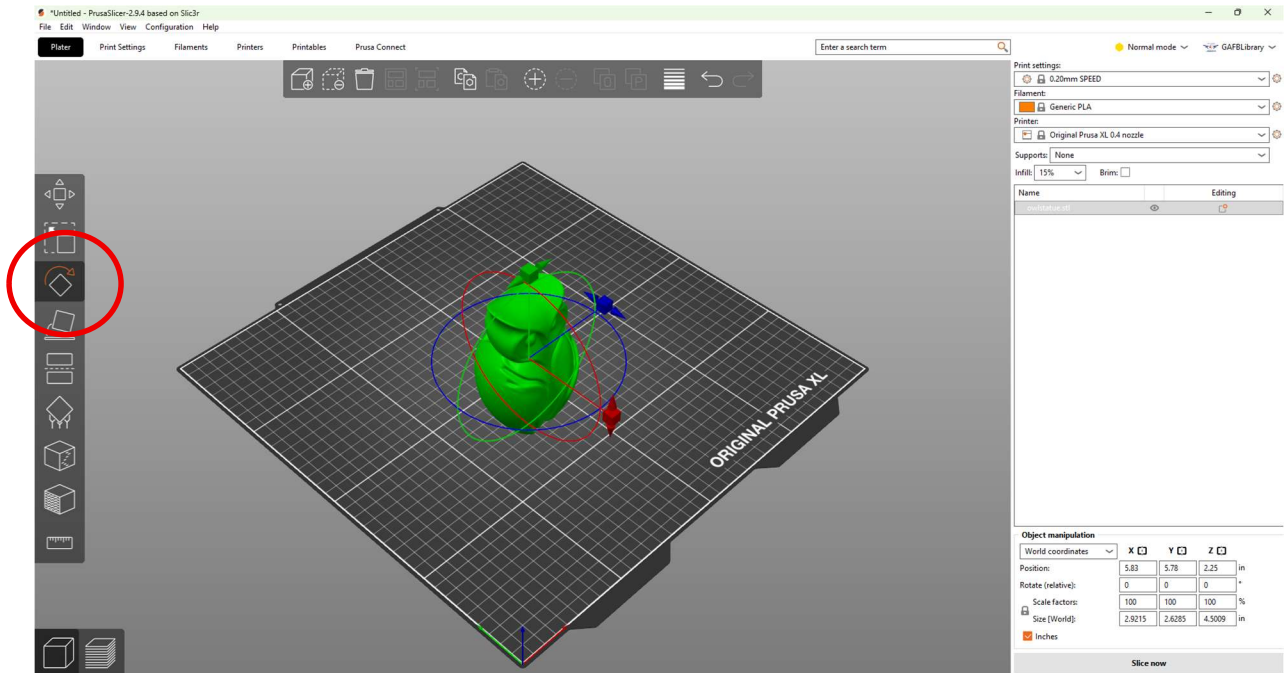
15. You can change the size, orientation, or location of your print project on the build plate before printing, if desired. Click on the object to make changes.



16. To make the object larger or smaller, look for “Scale Factors” in the lower-right corner of the screen. For example, change the scale factors to 50% in all three axes to make the object half of the original size.
17. You can also change the object’s size to a specific value (inches or millimeters) if desired.
18. Remember to change all three axes (X, Y, and Z) or the object will be distorted when printed.

3D Printing Instructions (Prusa)

19. You can rotate the object if desired. Some objects may print better horizontally than vertically, for example. Click on the object and then click on the Rotate button on the left edge of the screen.



20. Click on PRINT. Your object will be added to the printer's Print Queue.
21. Notify the Library Staff at the Circulation Desk that you have added a print job to the Print Queue. We will need your name, the name of the project and the desired color. Please choose a backup color in case we are out of your first choice for filament.

POPULAR COLORS (LARGE REELS)



POPULAR COLORS (MEDIUM REELS)



SPECIALTY FILAMENTS (SMALL REELS)



NOT ALL COLORS MAY BE AVAILABLE AT ALL TIMES

