

Looking to design a 3D Model?

Try these!

1. Create a Dremel PrintCloud account:

- a. [Dremel PrintCloud](#) - Click the CREATE YOUR FREE ACCOUNT BUTTON on the bottom of the page.
- b. Choose the Sign-In method most appropriate for you.
- c. Accounts need to be verified by clicking a link in your email. Sometimes it can take up to 20 minutes to receive that verification link. *Please do this step first while you create or find your 3D object.*

2. Design or download:

- a. New to 3D designing your own object from scratch? We highly recommend [TinkerCAD](#). It's simple and easy to learn.
- b. You can also download pre-designed files from various hosting sites like [Thingiverse](#), [MyMiniFactory](#), [Dremel 3D Models](#), [Yeggi](#) and others
****Beware! ANYONE can upload a 3D file to the Internet. Read the comments and details to make sure the file is safe to print.****
- c. For advanced users, you can use any CAD software that can export files such as .stl or .obj files. This includes [Autodesk Fusion 360](#), [SketchUp](#), and Dremel DigiLab.
- d. ALL DOWNLOADS MUST BE IN .STL FORMAT

3. Slice:

- a. Once you have a .stl file downloaded, go to your [Dremel PrintCloud](#) account to prepare the print for the Dremel 3D45 Printer.

4. Prepare the file to print:

Upload the .stl file on the MY FILES page of Dremel PrintCloud

Necessary Settings:

1. After uploading, "Prepare" the file for print and ALWAYS CHOOSE THE **DREMEL 3D45 PRINTER**

2. Preview the repaired file and make sure it is how you want it, as well as adjusting size. When you are satisfied with the object, choose “Slice”. Again, always choose **Dremel 3D45 PRINTER**.
3. This will render a BUILD file for you. Next to the BUILD button, choose share and share with your teacher or instructor. They will have to upload it for you.
4. Before you start your build, either know or ask for help with what type(s) of filament you will need.

5. Ready to Print? Get the Printer Ready.

- a. [See instructions on printer to prep the printers.](#)
6. **YOU DID IT!** Ask your teacher or instructor to help you send your 3D object to the printer.