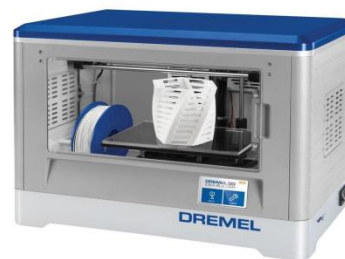# Interested in 3D Printing?

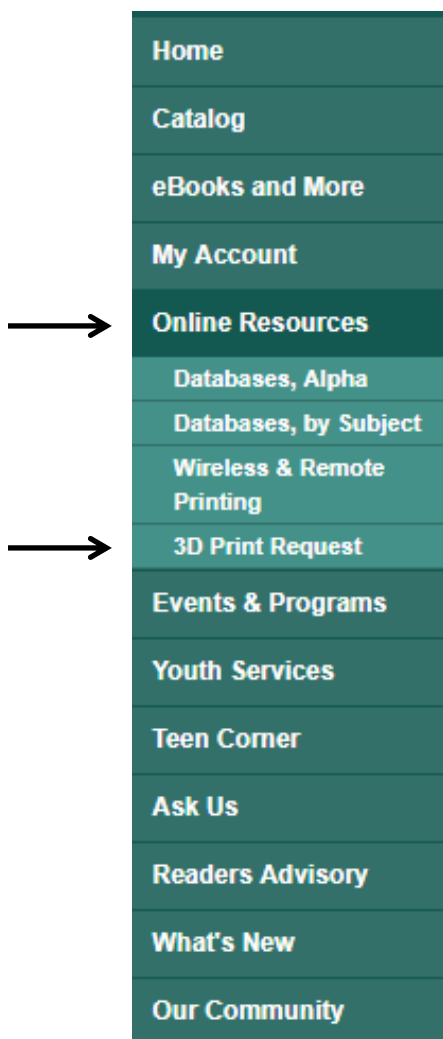## Dremel 3D Idea Builder 3D20

The Library has 1 Dremel 3D Idea Builder available to patrons for learning and entertainment purposes. The cost of a print is a charge of $1 per print, plus 5 cents per gram. You must have a Prospect Heights Library Card to submit a 3D print.

Submitting a 3D Print

If you would like to have something printed at the Library, visit the website at www.phpl.info and click on "Online Resources" on the left sidebar and select "3D Print Request" from the drop down menu. You will then have to fill out the request form (pictured below). Fill out all the required sections, including agreeing to our policy, and press **Submit 3D Request**.

Basics

- Single color prints
- Prints up to 9" x 5.9" x 5.5"
- You will be contacted by the library with an estimation of cost after you submit your print file. If you agree, the Library will proceed with the print.
- Usually prints within 1 to 2 business days of cost confirmation
- If a print fails we will attempt to fix and reprint it. You will not be charged for failed prints.
- You will receive an email that your print is complete and ready for pickup with final cost (final costs and estimates can vary, but only by a few grams)
- You will pay for the item at pickup at the info desk.

Material	Description	Price per gram
PLA Plastic	Biodegradable plastic from plant-based sources	5 cents

File Types

- .stl
- .obj

Software

- AutoCAD
- Blender*
- Fusion 360*
- Inventor
- OpenSCAD*
- Rhinoceros 3D
- SketchUp*
- Solidworks
- Tinkercad*

Online 3D Printing Communities

- Thingiverse*
- Pinshape*
- All3DP*

Learning Resources

- Lynda.com (an extensive learning database free with your library card)
- Tinkercad.com tutorials + projects

Questions?

Contact David Pettersen, dpettersen@phpl.info (847) 259-3500 Ext. 244

*Free and/or open-source options