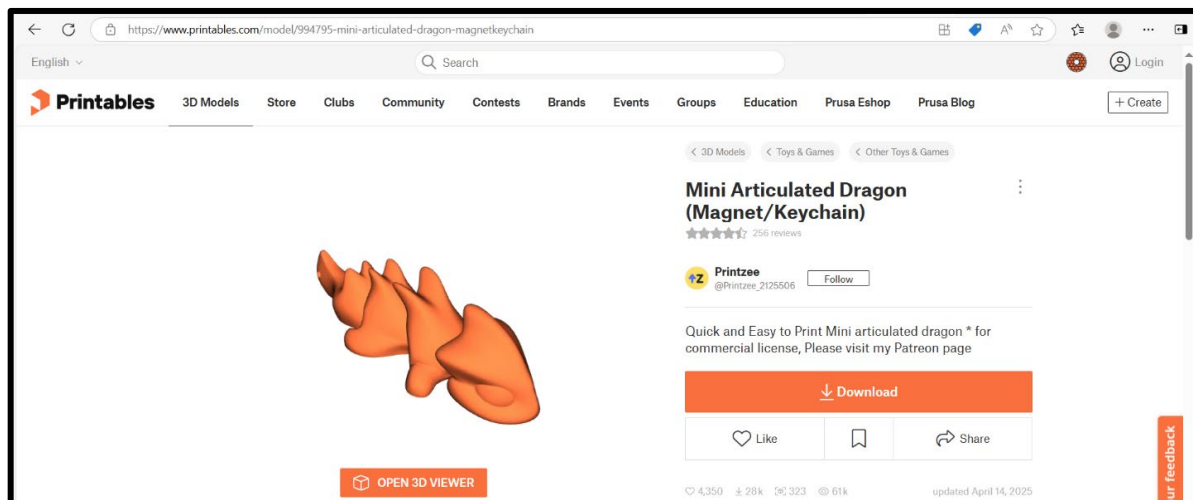


FCL

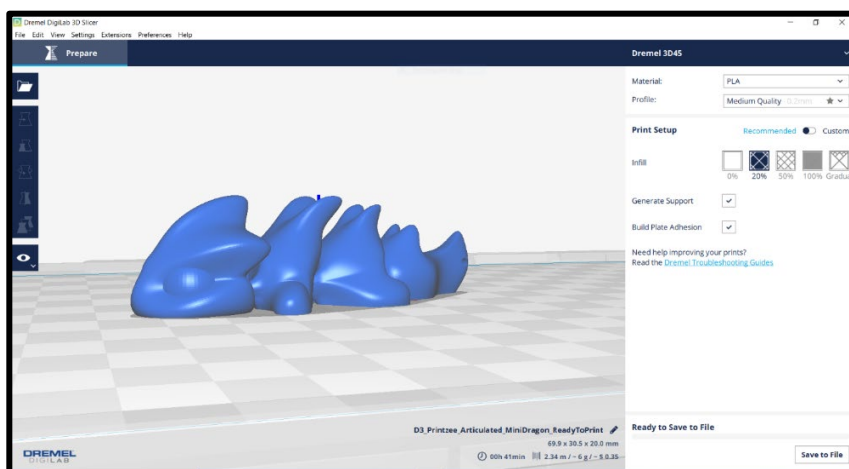
3D Printing Guide

How to Print

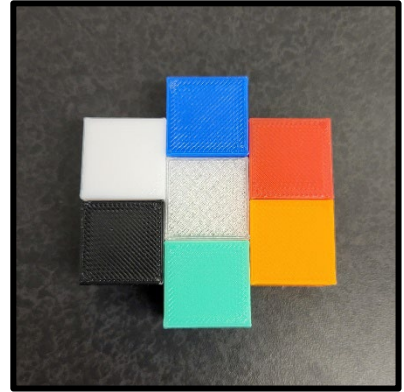
1. **Prepare your file.** Save your design as an .STL file, either by creating it yourself with a 3D modeling software like TinkerCAD, or downloading one from a website like Thingiverse, Pinshape, Printables, and GrabCAD.



2. **Submit your file.** Bring it on a USB drive to the Adult Information Desk at the FCL Farmington Hills location (32737 W. 12 Mile Rd.) or email it to contact@farmlib.org.
3. **Staff review.** A staff member will check if your design can be printed and provide a cost estimate based on print time and filament use. Jobs must fit within **10" wide x 6" tall x 6.7" deep**, take **12 hours or less**, and cost **at least \$1.00** (see cost chart at the end of this document).



4. **Confirm details.** Choose a filament color (red, green, blue, orange, white, black, gray, or translucent) and provide your contact information.



5. **Pick up your print.** Staff will notify you when it's ready. Collect it at the Information Desk and pay at pickup.



FAQs

What printer does the Library use? The Dremel DigiLab 3D45 (2017 model).

What file types can be printed? .STL files are recommended (stereolithography format).

What material is used? PLA filament (a recyclable polyester made from renewable materials like corn starch and sugarcane).

Can I print in multiple colors? No, each job must be a single color. Available colors: red, green, blue, orange, white, black, gray, or translucent.

How large can a print be? Maximum size is 10" wide x 6" tall x 6.7" deep.

When do I pay? At pickup.

How much does it cost?

- **Material:** \$0.05 per gram (minimum \$1.00).
- **Time:** \$0.25 per additional half-hour after the first hour, up to 12 hours (see table below).
- **Example:** A 50-gram print costs \$2.50, plus any time charges.

3D Printer Time Additional Fee Chart										
HOURS	FEE		HOURS	FEE		HOURS	FEE		HOURS	FEE
≤1	+\$0.00		4	+\$1.50		7	+\$3.00		10	+\$4.50
1.5	+\$0.25		4.5	+\$1.75		7.5	+\$3.25		10.5	+\$4.75
2	+\$0.50		5	+\$2.00		8	+\$3.50		11	+\$5.00
2.5	+\$0.75		5.5	+\$2.25		8.5	+\$3.75		11.5	+\$5.25
3	+\$1.00		6	+\$2.50		9	+\$4.00		12	+\$5.50
3.5	+\$1.25		6.5	+\$2.75		9.5	+\$4.25			