

Exploration HUB 3D Printer FAQ

How much does it cost?

3D Printing is free at Carlsbad City Library.

What type of printer do you own?

The Carlsbad City Library currently has one Dremel 3D45 printer.

What type of filament do you use?

PLA and ECO-ABS

Can I bring in my own filament for my print job?

To prevent damage and clogging, specific brands of filament are used and personal filament cannot be accepted. Patrons can request the color(s) of their choice for library staff to put into consideration for ordering. Available colors may vary depending on supply and demand.

Is there a limit on how many prints I can submit?

While we want our patrons to receive their prints as soon as possible, only 2 personal print jobs can be accepted per library card a week to keep it fair for other patrons.

Can my print job use more than one filament color?

Unfortunately, due to the time frame and complexity we only allow one color per file unless it is a class project.

How do I submit a print request?

Come into the Exploration HUB during our Open Lab hours which take place when a class is not in session. Our staff and volunteers will work with you to make sure the design is ready for printing and can be printed within our two-hour limit.

When can I pick up my print?

It depends on the print queue. We try our best to get the object printed within 1 week of drop off. You will be emailed when your print is complete, and you will have 2 weeks to collect your print.

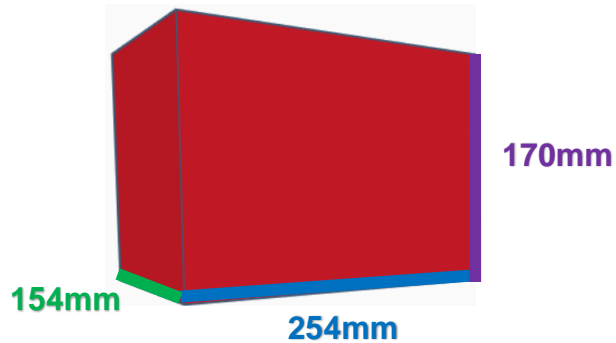
Please Note: A completed print job does not always mean it was a successful print job. We will still notify you when it is done even if it does not come out perfectly.

Can I submit my design via email to have it printed?

Unfortunately no, we ask that patrons come into the Exploration HUB during Open Lab hours with the .STL file. The Exploration HUB is a collaborative space and we want patrons to work with staff to make sure the design is complete and meets the requirements for printing.

What are the requirements for printing?

Your design must be an .STL file created by you, not a generic file created by someone else or downloaded from a website. You can also pull the file from your Tinkercad account on our iMacs. The job must be able to print within a 2-hour period and not exceed the measurements of the print bed (254mm length x 154mm depth x 170mm height).



What cannot be printed?

We will not print out any weapons or offensive content. Outside of that, most things should be fine, but the library retains the right to refuse any print request.

Who can operate the printer?

Only staff and trained volunteers will have hands-on access to the 3D printer.

Disclaimer: Carlsbad City Library is not responsible for any misuse, damage or injury from created objects.