

3D PRINTER



How do 3D printers work?

3D printers melt plastic filament, called polylactic acid filament, and put it down layer by layer to create the object.



What type of 3D printer does the library have?

We have two: the Ultimaker 3 and Ultimaker S3 printer



How much does it cost to use a 3D printer?

At this time, 3D printing is offered free of charge. The submission limit is five designs per month, up to 10 hours per design.

FREQUENTLY ASKED QUESTIONS

How hot does the printer get?

The nozzle temperature is usually set to 200° Celsius (392° Fahrenheit).

How long does it take to print something that's 3D?

Print time varies by the design of the print and how solid the item will be.

3D print jobs can only print during library hours when staff are in the building and are allowed a maximum of 10 hours of print time.

Wait times for 3D printing will be longer when 3D printing demand is high, thereby creating a long print queue.

Where can I find 3D print designs?

You can find 3D designs at www.thingiverse.com and www.youmagine.com.

How can I create my own designs?

We suggest starting with Tinkercad (www.tinkercad.com), an online 3D design website that can be accessed from a computer anywhere with an internet connection. More advanced users can download Sketch-Up from Google.

To learn how to create 3D printing designs, you can access free, online LinkedIn Learning courses with your in-district library card at www.sclcd.org/linkedin-learning.

What's the biggest size the 3D printers can print?

The largest size is about 215 x 215 x 200 mm (8.46 x 8.46 x 7.87 inches).

How do I request 3D printing?

The request process for 3D printing depends on how much experience you have with 3D printing.

For those new to 3D printing

Request a Book-a-Librarian appointment by filling out the online form at www.sclcd.org/book-a-librarian or by calling 509.893.8400.

After you submit your request for an appointment, we will contact you within 3–5 business days to schedule.

During your one-on-one appointment with staff at Spokane Valley Library, you'll learn the ins and outs of 3D printing, including design and submission.

For those experienced with 3D printing

Fill out the submission form at www.sclcd.org/3d-printing to submit your 3D design(s) for printing.

Please be sure to review the basic information and settings on the submission web page before submitting your designs.

See a 3D printer in action and ask questions in person.

Stop by during our **3D Printing Drop-in Hours** at Spokane Valley Library. For days and times, visit www.sclcd.org/3d-dropin-hours.

How do I pick up my 3D print job?

Library staff will contact you when your 3D print job is finished or if we have questions about your design.