LIBRARY LOCATIONS

ROSEWOOD MAIN LIBRARY

5655 Jillson Street

(323) 722-6660

BANDINI NEIGHBORHOOD LIBRARY

2269 S. Atlantic Boulevard

(323) 780-1176

BRISTOW NEIGHBORHOOD LIBRARY

1466 S. McDonnell Avenue

(323) 265-1787

VETERANS NEIGHBORHOOD LIBRARY

6134 Greenwood Avenue

(562) 927-1516

www.cocpl.org

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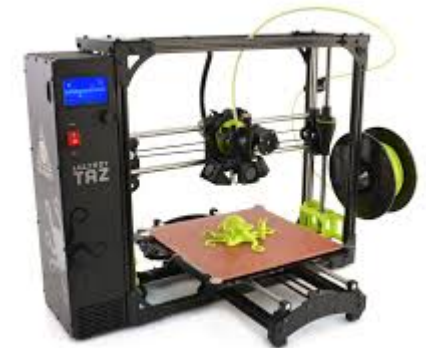
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Meet Taz!

Our new LulzBot TAZ 6 3D Printer

Everything you need to know!

Update: September 2019

3D Printer Policy

The Library's 3D printer is available to the public to make three-dimensional objects in plastic using a design that is uploaded from a digital computer file.

1. The Library's 3D printer may be used only for lawful purposes. The public will not be permitted to use the Library's 3D printer to create material that is:

   A. Prohibited by local, state or federal law.
   B. Unsafe, harmful, dangerous or poses an immediate threat to the well-being of others.
   C. Obscene or otherwise inappropriate for the Library environment.
   D. In violation of another's intellectual property rights. For example, the printers will not be used to reproduce material that is subject to copyright, patent or trademark protection.

2. The Library reserves the right to refuse any 3D print request.

3. Cost: 3D printing at the Library is currently free, thanks to a grant from the Library Services and Technology Act, administered in California by the State Librarian.

4. Items printed from Library 3D printer that are not picked up within 7 days will become property of the Library. Items must be picked up by the individual who printed them.

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

Procedure for Submitting a Design

1. Patrons must have a current Commerce Library card to submit print requests.
2. Patrons wanting to use the 3D printer shall bring their file (in .stl format) (no larger than 7 MB) to Commerce Library. Staff will add the model to the printing queue.
3. If there is high demand, the Library will schedule only one print per month per person or entity.
4. The Library will view all files in Replicator G or other authorized software before printing.
5. A limit of three pieces per print job.
6. Wait/pickup time: Items may be picked up at Rosewood Library. It is sometimes difficult to estimate exact print times. Library staff will make an educated guess about the length of a job upon request.
7. Patrons will have to visit Rosewood Library to fill out a 3D Submission Form for all designs.

Please note that procedures governing the use of the Library's 3D printers are subject to change.

"A once-shuttered warehouse is now a state-of-the-art lab where new workers are mastering the 3D printing that has the potential to revolutionize the way we make almost everything. There's no reason this can't happen in other towns."

-President Barack Obama State of the Union Address February 2013

Frequently Asked Questions

1. What kind of printer does the library use? The Commerce Library has a LulzBot TAZ 6 3D printer. It produces models from PLA filament, which is a type of thermoplastic made from plant sources.

2. What are the 3D printer's dimensions? The 3D model must fit within the LulzBot TAZ 6 print surface which is 280mm x 280mm x 250mm (11 in x 11 in x 9.8 in). The minimum thickness of a layer is 0.1 mm (0.020 in.) so the smallest features that will accurately be produced must be at least this value. It is recommended that part thicknesses be at least 0.1 mm or greater.

3. Where can I download free 3D models? You can search for pre-existing models on the Internet to print as they are, or to modify using 3D modeling software. Instructables has a 123D community

Thingiverse Makerbot's searchable design library community.