

3D PRINTING

at the Yolo County Library



Bring your creations to life!



YOLO COUNTY LIBRARY



Branches and Printer Hours

Arthur F. Turner Community Library

1212 Merkley Avenue
West Sacramento, CA 95691
Telephone: 916-375-6465

Printer Hours:

Tuesdays: 4:00 p.m. - 7:00 p.m.
Wednesdays: 11:00 a.m. - 2:00 p.m.
Thursdays: 4:00 p.m. - 7:00 p.m.
Saturdays: 10:00 a.m. - 1:00 p.m.; 1:00 p.m. - 4:00 p.m.

Mary L. Stephens Davis Branch Library

315 E. 14th Street
Davis, CA 95616
Telephone: 530-757-5593

Printer Hours:

Mondays - Wednesdays: 5:00 p.m. - 8:00 p.m.
Thursdays: 10:00 a.m. - 1:00 p.m.; 5:00 p.m. - 8:00 p.m.
Saturdays: 10:00 a.m. - 1:00 p.m.; 1:00 p.m. - 4:00 p.m.

Our Mobile 3D Printer will be available at other Yolo County Library branches, contact your local branch for more information.

Clarksburg Branch Library

52915 Netherlands Avenue
Clarksburg, CA 95612
Telephone: 916-744-1755

Esparto Regional Library

17065 Yolo Avenue
Esparto, CA 95627
Telephone: 530-787-3426

Knights Landing Branch Library

42351 Third Street
Knights Landing, CA 95645
Telephone: 530-735-6593

South Davis Montgomery Library

1441 Danbury Street
Davis, CA 95618
Telephone: 530-759-2100

Winters Community Library

708 Railroad Avenue
Winters, CA 95694
Telephone: 530-795-4955

Yolo Branch Library

37750 Sacramento Street
Yolo, CA 95694
Telephone: 530-662-2363

Resources for Creating and Finding 3D Object files

The 3D printer may be operated with basic use of computer assisted drawing (CAD). The Library does not provide access to advanced 3D CAD software. Any CAD program may be used as long as it can save files as a .stl, .obj, or .thing file format.

www.thingiverse.com

Thingiverse is a website dedicated to the sharing of user-created digital design files.



www.tinkercad.com

TinkerCAD is a web-based computer assisted drawing (CAD) website, offering users the ability to create their own designs for printing.



Blender

Blender is a professional, free 3D computer graphics software toolset. More information about the program is available at www.blender.org.



User information:

Name: _____ Age* (if under 18): _____

Parent or Guardian's Name (if under 18): _____

Library Card Number: 28005 _____ Phone: _____

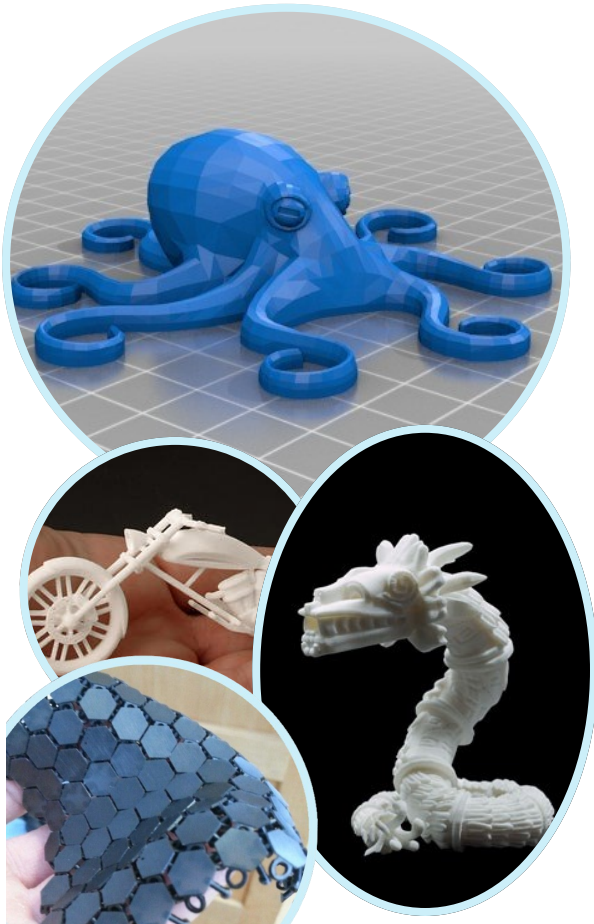
Email: _____

*children under the age of 13 must be accompanied by an adult.

What is 3D printing?

3D printing, or additive manufacturing, is a process of making three-dimensional objects from a digital file. The Yolo County Library offers access to 3D printers that use the process of material extrusion, where plastic filament is extruded through a heated nozzle, layer by layer.

3D printing allows individuals to participate in small manufacture projects. The printers can be used to build objects from figurines to jewelry to household tools.



3D printer guidelines

1. Yolo County Library's 3D printers may be used only for lawful purposes. 3D printers may NOT be used for the creation of material that is:
 - a. Illegal—Prohibited by a local, state or federal law;
 - b. Unsafe or dangerous including, but not limited to: guns, knives, weapons of any kind;
 - c. Obscene or otherwise inappropriate for the library environment;
 - d. Under copyright, patent, trademark, or otherwise legally protected.
2. The Library reserves the right to refuse any 3D print request.
3. Use of the 3D printers is open to all Yolo County Library cardholders age 13 and older who are in good standing, have viewed the Library's suggested instructional video(s) or have sufficient prior experience with 3D printers, and have signed and completed the attached User Agreement and Liability Waiver.
4. 3D printing at the Library is currently free, but a fee may be charged in the future to cover the printing costs.
5. Patrons may be charged for damages to library equipment. This cost will cover repair or replacement of the damaged equipment (up to \$2,500 for the printer, up to \$2,000 for the laptop).
6. The Library is not responsible for any loss of data or damage to the user's equipment arising from the use of its computers or network.

**Guidelines may be updated at any time.*

Procedures

- In order to use Yolo County Library's 3D printers, individuals must first:
 - View the instructional video(s) posted on the Library's website, or have sufficient prior experience to use the printer safely and appropriately.
<https://tinyurl.com/YCL3Dprinter>
 - Complete and sign the attached User Agreement and Liability Waiver.
- Individuals are responsible for obtaining designs to be printed and ensuring files are saved in the most current file format.
- Individuals may only use the filament provided.
- The 3D printers should not be left unattended.
- No food or drink are allowed when working with the 3D printers.
- All equipment should be properly stored after use.

Appointments:

- Individuals may reserve a 3 hour appointment to use the 3D printer by contacting the Information Desk (3D printer hours listed on back).
- For files that will take longer than 2 hours to print, patrons must reserve back-to-back appointments. Projects must be finished in **no more than 5 hours**.
- Individuals can book up to 4 sessions per month.
- Appointments are available on a first-come, first-served basis, and may be made up to one month in advance.
- Library staff may be available for some troubleshooting assistance, but will not be able to provide individual instruction.
- Group appointments may be made at the discretion of library staff.

Yolo County Library 3D Printer User Agreement and Liability Waiver

I have watched the suggested instructional video(s) located on the Yolo County Library website **OR** I attest that I already have sufficient experience to use the 3D printer safely and appropriately.

By my signature, I certify that I have read the 3D printer guidelines and agree to abide by the them. I agree to assume all responsibility for, and shall hold Yolo County Library harmless to, all matters relating to the intellectual property of others (i.e. patented, trademarked, or copyrighted materials) or any injury that may occur from use of the equipment. I agree to take full responsibility for any damages to the equipment that arises from wrongful use.

Signature (Parent or Legal Guardian if under 18): _____

Date: _____

Please fill out reverse.