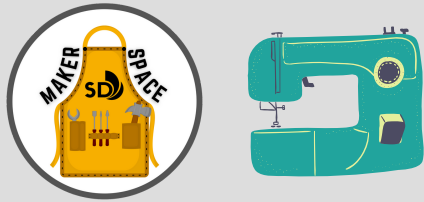


IF YOU HAVE BOOKED THE MAKERSPACE STATION, PLEASE READ:

SEWING, EMBROIDERY and SERGER machine:



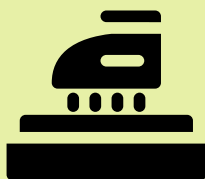
- **What materials do I need to bring?** Bring your own fabrics, bobbins, special needles and threads.
- **Will the IDEA Lab provide any materials/special supplies?** No, the library does not provide or sell fabrics or special sewing supplies. Some threads, a bobbin and a basic sewing machine needle will be provided upon availability.
- **What other supplies may be available during my appointment?** Irons, ironing boards, cutting mats, and fabric scissors may be available depending on availability.
- **Which embroidery software should I use for my custom designs?** Ink/Stitch <https://inkstitch.org/>, an open-source machine embroidery design platform based on Inkscape. Check out some tutorials to start, <https://inkstitch.org/tutorials/>. Save your design files to a flash drive.
- **Check out the DIY Guides for each machine:**
 - Sewing Guide [here](#).
 - Embroidery Guide [here](#).
 - Serger Guide [here](#).

CUTTING MACHINE (Silhouette Cameo):



- **What supplies/materials do I need to bring?** Bring your own materials, such as paper, cardstock, or vinyl sticker, and a laptop with the design software pre-installed, <https://www.silhouetteamerica.com/software>.
- **Will the IDEA Lab provide any supplies/materials?** A laptop, cutting mats, and weeding tools may be provided by lab depending on availability. Cutting materials will not be provided.
- **Which design file formats should I prepare?** Design(s) should be prepared prior to the appointment to allow you time to work on cutting. (Silhouette Studio can import a variety of image file types including the following: STUDIO/STUDIO3 files, GSD/GST files, DXF files, JPG, PNG, BMP, GIF, and TIF files.)
- **If I am using Heat Transfer Vinyl, do you have suggestions for temperature and time to heat press?** See Cricut Easy Press 2 Heat Guide https://cricut.com/en_us/heatguide for pressing heat temperatures and times.
- **See heat transfer vinyl settings for transfer temp/time chart** [here](#).
- **Check out the Silhouette Cameo Guide** [here](#).

DYE SUBLIMATION MACHINE:



- **What software should I use to create my designs?** Any graphic design software of your choice. (*Suggestions: Adobe Illustrator, Adobe Photoshop, Canva, Inkscape, and GIMP.*)
- **What supplies/items do I need to prepare and bring with me?**
 - **Your Designs:** Prepare your designs ahead of time and save them to a personal external storage device in any of the following file types (.jpg, .jpeg, .png, .bmp, .heic, .heif, .tiff, .pdf, .eps, .ps.), with a minimum resolution of 300DPI.
 - **Transfer paper:** Sizes 8.5" x 11" and 8.5" x 14" (your design should not exceed these dimensions). The lab uses TexPrint-DTR Heavy sublimation transfer paper. *Upon availability, the lab may provide up to 5 sheets of transfer paper.*
 - **Fabrics or other items.** Polyester and polyester blend fabrics yield best results as dye sub ink is designed to bond to these materials. Designs will show up best on a white surface. The item should be flat so the heat press can apply pressure and heat uniformly on the item. ie. Shirts, Tote bags, Aprons, Pillowcases, Potholders, and Socks.
- **Check out the Dye Sublimation Guide [here](#).**

WARNING: Temperatures will get extremely hot and can range up to 480 degrees. Use extreme caution.

CNC, CARVEY MACHINE



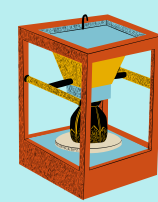
- **Do I need to bring my laptop?** You may bring your laptop for easy access to your files. You will have access to your Easel account from the lab computer.
- **Which design file formats should I prepare?** Have design file(s) prepared prior to the appointment. (The Easel app accepts the file types: SVG, DXF, and G-Code format.)
- **Where should I upload/save my designs?** In the Carvey Software called Easel. Please create a free personal web-based Easel Account https://easel.inventables.com/users/sign_in.
- **What about Carving Bits?** Limited bits will be provided upon availability. You may also bring your own <https://www.inventables.com/categories/carving-bits>.
- **What materials can I use with Carvey, CNC Machine?** Only the following materials are approved: <http://carvey-instructions.inventables.com/materials/>
- **How big is Carvey's Build Area?:** <https://inventables.zendesk.com/hc/en-us/articles/360012727214-How-big-is-Carvey-s-build-area->
- **Need help running your first Carvey Project?** See Carving with Easel instructions, <http://carveyinstructions.inventables.com/easel/>
- **Clean-Up:** We ask that you clean up after your session by placing all bits and clamps back into their appropriate storage containers and vacuuming any leftover debris.
- **Check out the Carvey CNC Guide [here](#).**

LASER PRINTER MACHINE (Glowforge)



- **What materials can I use with the laser printer?**
 - **ONLY PROOFGRADE MATERIALS** are approved and can be used with the Glowforge at the IDEA Lab at Central Library.
- **Where can I purchase Proofgrade materials?**
 - Glowforge Online Store <https://shop.glowforge.com/>
 - Michael's-<https://www.michaels.com/glowforge/materials/20002526>.
- **Will the Library provide or sell materials onsite?** No, the library will not be able to provide or sell [Proofgrade materials](#).
- **Which design software should I use?** You can design with any software that saves as an SVG, including graphic design software like **Adobe Illustrator** (\$) or [Inkscape](#) (Free).
- **Which design files should I prepare?** Prepare your design files prior to the appointment. [Glowforge is compatible with JPG and PNG 'bitmap' (to engrave only), but works best with SVG 'vector' (to cut & score).]
- **Where will I upload my designs?** You will be provided access to the Glowforge App during your appointment in order to upload your designs and edit the cut & engrave settings.
- Watch this intro video to Glowforge App settings with Proofgrade Materials <https://www.youtube.com/watch?v=FAh6wqGklyo> (See Time 0:00-2:32).
- **Tutorial:** Using Inkscape to design for Glowforge - [Watch on YouTube here](#) OR Follow Inkscape First Prints Steps [here](#).
- **Check out the Glowforge Laser Printer Guide** [here](#).

3D PRINTING BY EMAIL REQUEST ONLY



- Complete 3D Print Request form above (all fields are required to process your request).
- Send request form and .STL file to weblibrary@san Diego.gov **if you will be picking up your 3D print at the Central Library**.
- Send request form and .STL file to skstaff@san Diego.gov **if you will be picking up your 3D print at the Skyline Hills Library**.
- File name should read: Your First_Last Name_Date Submitted_Model Name.stl
Example: Jane_Doe_1.2.20_bestmodelever.stl
- Learn more: <https://www.sandiego.gov/public-library/idea/3d-print>



Cancellation Policy for all sessions:

If you need to cancel your appointment, please do ASAP. Lab sessions are limited. Find the cancel option in the email appointment confirmation.