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.

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.)

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:** Upon availability, the Lab will provide five sheets of 8.5" x 11" or 8.5" x 14" TexPrint-DTR Heavy sublimation transfer paper. You also have the option of using one 24" x 88.5" sheet of Epson SureColor paper. Your design should not exceed these dimensions.
  - **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. Note that the Lab does not have white ink. **White elements in your design will be the color of your fabric.** If you would like white to appear on dark fabric, you can find white sublimation vinyl at most major craft stores.

    The item should be flat so the heat press can apply pressure and heat uniformly on the item (i.e. shirts, tote bags, aprons, pillowcases, pot holders. and socks.

CNC, CARVEY MACHINE

- **Do I need to bring my laptop?** You may bring your laptop for easye access to your files. You will have access to your Easel account frome the lab computer.

- **Which design file formats should I prepare?** Have design file(s)e prepared prior to the appointment. (The Easel app accepts the filee types: SVG, DXF, and G-Code format.)

- **Where should I upload/save my designs?** In the Carvey Softwaree called Easel. Please create a free personal web-based Easel Accounte **https://easel.inventables.com/users/sign_in.**

- **What about Carving Bits?** Limited bits will be provided upone availability. You may also bring your own **https://www.inventables.com/categories/carving-bits.**

- **What materials can I use with Carvey, CNC Machine?** Only thee 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-**

- **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.**

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/search?q=glowforge**

- **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 thee 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 and engrave settings.

3D PRINTING

- **Which design file formats should I prepare?** Have your .STL file prepared prior to visiting the IDEA Lab.

- **Where do I go?** Stop by the Central Library IDEA Lab on the 4th floor, during open lab hours. Drop-ins are welcome.

- **How long will it take?** Be prepare to monitor your print in the lab for the entirety of the printing process. Maximum print time is three (3) hours.

Check out DIY guides and tutorials for each machine at MYSDPL.ORG/IDEA