INNOVATION LAB NEWSLETTER
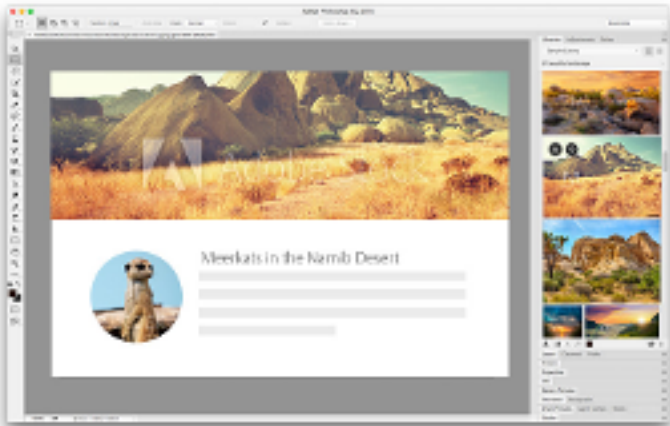
Learn the basics of Adobe Photoshop and how to retouch and correct images in our 2-part series. Registration required.

BUG OUR NEW STAFF

Aamino Hirmoge, a Century College student, will be assisting in the Lab on Saturdays. She has video production experience and will also be working off-site at Createch, our teen maker space.

Khun Myo, an engineering student, will be in the Lab on Sundays, Mondays, and Fridays. He too has video production experience and can assist with the laser engraver, 3D printer, and vinyl cutter.

Calendar

Yarn Crafts Social Circle
Tuesdays, Dec 6, 13, 20 · 2-4 PM

Adobe Photoshop 101
Monday, Dec 12 · 5:30-7:30 PM

Machine Sewing: Sew Warm!
Sunday, Dec 18 · 1-4 PM

Adobe Photoshop 102 : Retouching & Image Correction
Monday, Dec 19 · 5:30-7:30 PM

Getting Started with Tinkercad
Saturday, Jan 7 · 1-3 PM

Advisory Board Meeting
Monday, Jan 9 · 5:30-6:30 PM

Social Media Overview & Strategy
Tuesday, Jan 10 · 10-11:30 AM

Hand Sewing: Bling it on!
Saturday, Jan 14 · 1-3 PM

The Power of Email
Tuesday, Jan 24 · 1-3 PM

Machine Sewing: Basics
Saturday, Jan 28 · 1-3 PM

To register, call 651-266-7000 ext.5 or visit www.sppl.org/Events-and-Classes.

WINTER IS... SEW SEW GOOD

This winter season we will be making, wearing, and donating warm items. Join our Yarn Crafts Social Circle, Tuesdays from 2-4 PM or make pajama pants, slippers or ear warmers on Sunday, Dec. 18 from 1-4 PM. Take your creation home or donate it to our weekly Community Resource Outreach Project (CROP).

MEET YOUR MEMBERS
JAMIE THOMPSON

Describe Yourself in 1 Sentence or Less

Former engineer, current high school physics teacher, part-time STEM product developer.

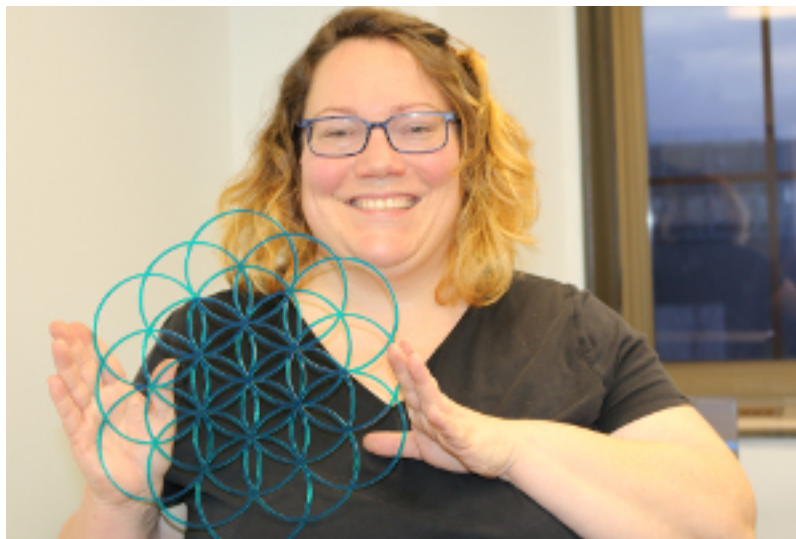**What projects are you working on or have you recently completed?**

Using the laser cutter, I prototyped a kit to teach kids about the power grid and how renewable energy integrates with it.

Flower of life wall decoration, acrylic cut with laser

What has the Innovation Lab enabled you to do?

Product development, particularly for small businesses, can be a costly venture. The Innovation Lab allowed the renewable energy education company for which I consult, Recharge Labs, to make affordable prototypes of our power grid kit. I was able to design, quickly prototype, test and re-design as needed. Once I was acquainted with the laser cutter for these work projects, I started doing my own projects for fun: earrings, engraved glassware, and Christmas ornaments. I even used the sewing machine to repair Santa's boots.

What is your advice for other members?

Sign up for a time slot when someone is available to assist you and just get started! Collect materials that you find interesting: vibrant acrylics, textured leather, scraps of maple plywood. Engrave a design, cut a pattern. Once you get over the hurdle of learning how to use the equipment, there is no end to what you can create.

Fellow Makerspace: Dakota County iLab

On December 7, staff took a field trip to the **iLab**, an all-ages, neighboring makerspace, located at Wescott Library in Dakota County. We learned:

- iLab has a Next Engine 3D digital scanner! A 3D scanner uses laser beams to measure distance points to an object and capture its shape. It takes time and some design skill.
- iLab staff shared a great technique for coloring 3D print jobs. By using alcohol-based ink you can color along the layers of a print and create unique blends. Check out DesignMakeTeach.com for details and ink recommendations to turn your 3D design into a work of art!

OHH LA LA...WE'RE FAMOUS!

Check out the Nov. 23 Education Week blog post, "12 STEM Entry Points" (http://bit.ly/2gukw8R). We are featured as one of the tips for learning about STEM experiences. Tip #4: Develop a Makerspace.

Remember to send your pictures to spplwincenter@gmail.com or share and tag us on social media. #madeitatSPPL #learndoshare

Left: Different color patterns on 3D printed Easter eggs using alcohol- based ink. Right: Tim Holtz® Alcohol Ink Kits used on the eggs.

George Latimer Central Library
651-266-700 | www.sppl.org
90 W. 4th St. Saint Paul, MN