

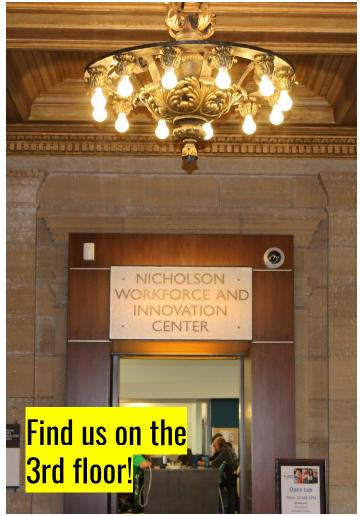




The Innovation Lab

Saint Paul Public Library LibTech • March 15, 2017









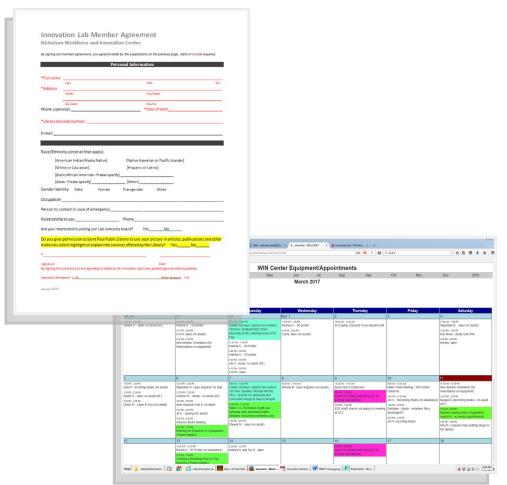
We are an adult makerspace in Downtown Saint Paul funded by the Friends of the Saint Paul Public Library.



Membership

To become a member you must: attend orientation, sign a member agreement, & get started with a reservation! (Walk-ins welcome)





293 MEMBERS 82 PROGRAMS 42 APPOINTMENTS PER MONTH

Equipment & Software

Workstations

Digitization



DVD/VCR recorder combo Video Capture adapter Roxio Easy VHS to DVD and Cassette/LP to MP3 software USB turntable Blank CDs & DVDs for sale

Cutting



Silhouette Cameo 3 cutter
Cutting mat
Sketch pens
Vinyl, cardstock, transfer sheets

Laser



Universal VLS 3.50 50W laser
Fume exhaust filtration system
Engraving table
Cutting table
Rotary fixture
Supplies for sale

Workstations

3D Printing

Tech Suite

Sewing







Afinia H800 3D printer
ABS & PLA filament, various colors
1 Copper-infused PLA roll
Various tools

16 Skype-enabled Thinkpads
1 Macbook
9 Adobe Creative Cloud licenses
20 Sony headphones
1 Canon EOS 70D DLSR camera

1 Brother PC420 PRW computerized sewing machine 4 Singer machines Patterns, fabric and notions Jewelry supplies

Workstations

Yarn Crafts



Crochet hooks Knitting needles Yarn various types & colors Patterns

Recording Studio



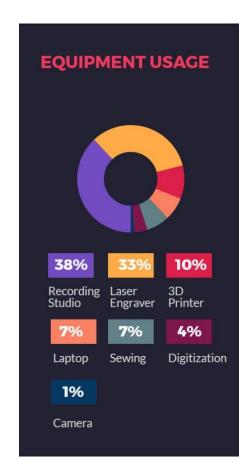
Editing suite w/isolation booth iMac w/Garageband & ProTools 12
Yeti & AKG microphones
Studio headphones
Focusrite Scarlett audio interface
MDI keyboard
Moog Synthesizer

Classroom



Space for orientations, workshops, online learning, trainings & events 2 private study rooms

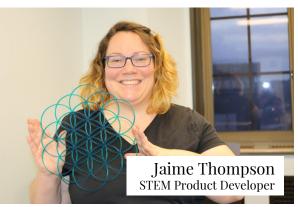
What are members using?







Avid ProTools 12.3





Universal VLS 3.5

3D Printing





3D printed projects. *From left to right:* Plain, white ABS hedgehogs, with acrylic painted smaller model; White ABS magnetic rotating disk for a camera; Black and white ABS chess pieces with laser cut and painted jigsaw chessboard; Laser focus tool and red ABS copy; Red ABS dinosaur painted silver; Custom-designed, green PLA blaster prop for Star Wars-themed costume.

Laser Engraving













Laser engraved and cut projects. *From left to right:* Signage on reclaimed wood; Basswood lampshade; Personalized wine glasses; Photograph on pumpkin; Painted wood and acrylic mobile; Engraved coasters on cork; Black, acrylic hydroponic lettuce-growing adapter.

Sewing















Machine and hand-sewn projects. *From left to right:* Hand-sewn stuffed horse with felt and yarn: Canvas tote bag with lace and attachment: Tops and skirts from vintage patterns; Machine-sewn baby swaddle wrap; Blue, felt neck warmer; Black, lined spats; Hand-sewn ornaments.

Crafts Yarn, Paper & more













Crafts, various materials. From left to right: Shadow box made from cardstock cut on Silhouette cutter, framed, and illuminated with LED bulb; Crocheted and stuffed sea forms; Hand-made paper lanterns; Mask made from textured fabrics and paper; Mini top hat decorated with laser-cut felt cameo and other supplies;; Laser-cut card-stock and fabric ornaments;.

Classes & Programs Open to all











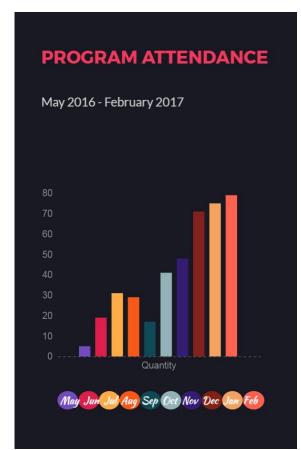


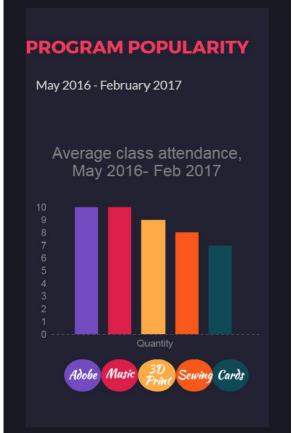




Maker activities *From left to right:* Crochet social; Eco-friendly card making; Mask and costume making; Machine sewing class, 3D Printing class; Paper lantern making; Hand sewing ornaments; ProTools class.

Top Programs May 2016-Feb 2017





How did we get started?

Timeline of Maker Activities at SPPL

Research on HOMAGO Visits to Makerspaces Createch begins Tinker Tuesdays begins

WIN Center Team formed Class schedule created Policies drafted Innovation Lab Meetup created

Online reservations & statistics "Lab After Dark" 2nd Tinker Tuesday location



Maker Team forms First Maker Fest Friends Capital Campaign Patron Survey Research on adult Makerspaces Innovation Lab Grand Opening Innovation Lab Advisory Board formed

Where we started

Createch vs Lab

Homago



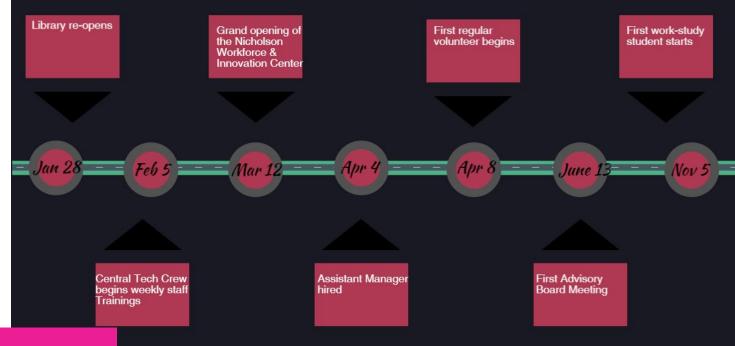






Be specific!

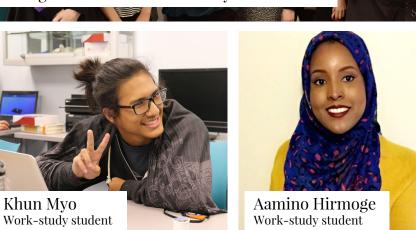
Staffing Timeline 2016



How we've grown

The Team







printing, crochet, digitization, computer skills, works special events & more



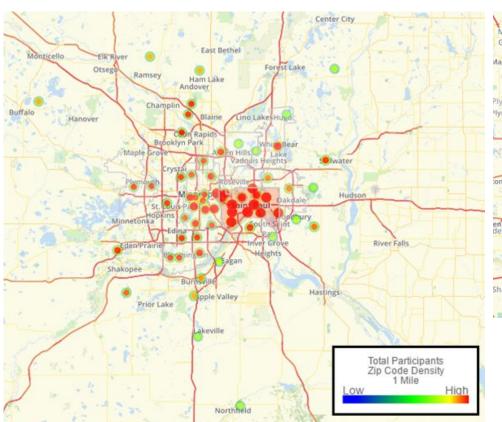


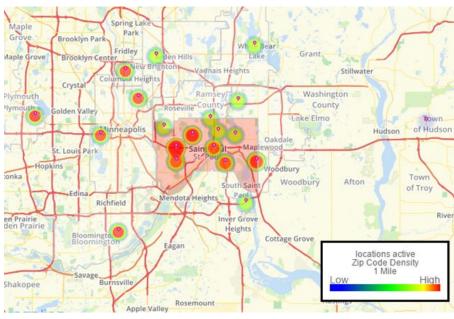




Who are we serving?

All members vs Active members (by zipcode)



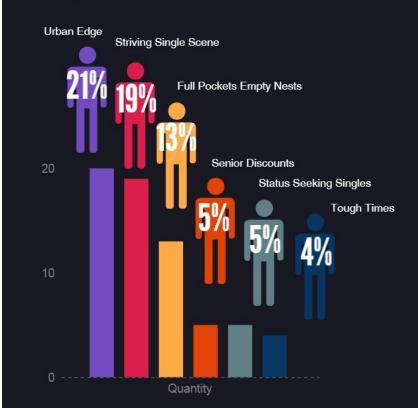


Market Research

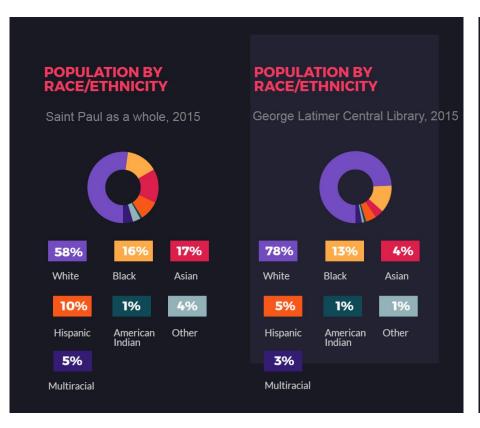
Patron Profiles

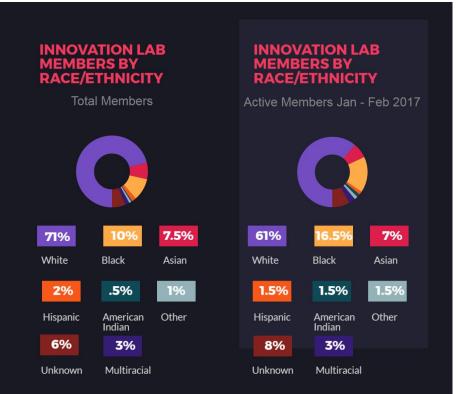
TOP MOSAIC PROFILES

George Latimer Central Library

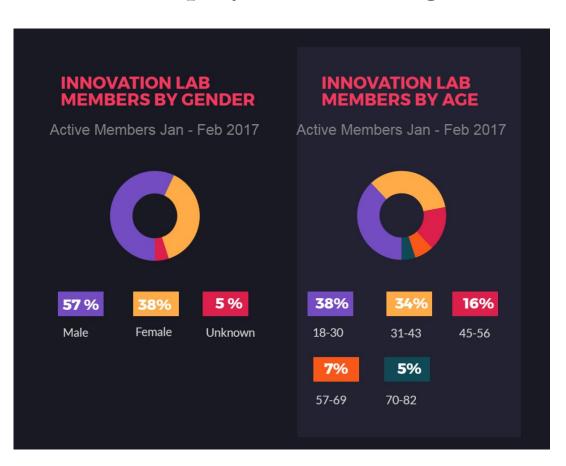


Population & Membership by Race





Membership by Gender & Age



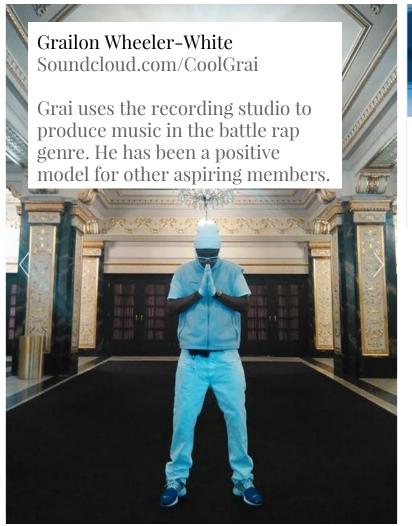
Average Age = 45

Who uses the Innovation Lab?

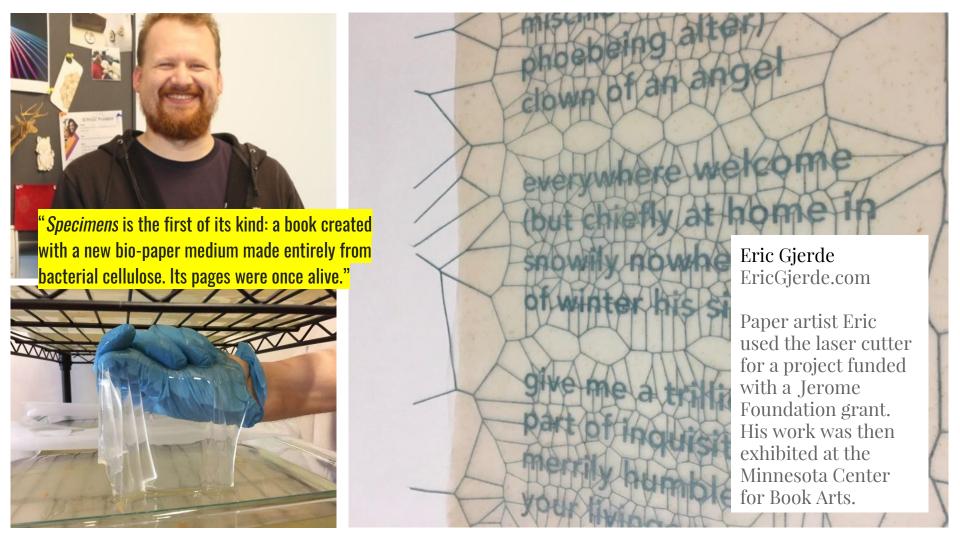












How we connect



We encourage members to take ownership of the space and invite all to participate in the Lab Advisory Board.

Social Media

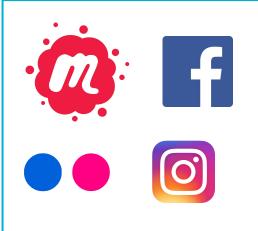
#madeitatSPPL



We connect with members on Meetup, Facebook, Flicker & Instagram.

We are 287 Creators in Saint Paul

Public Group



Innovation Lab Newsletter

We solicit and share ideas through a member email list & feature members in a bi-monthly newsletter.







Partnerships & Collaboration















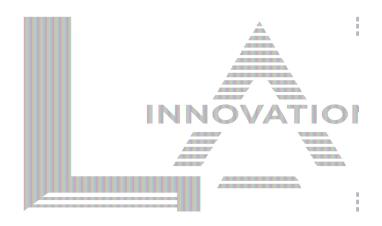




- Putting together a dedicated team
- Orientations/Fast-track/1-on-1
- Building relationships with members. We know who they are, their interests & work
- Wishlist and in-kind donations from members
- Open to re-evaluating and re-tooling



- Still working on connecting employers to skilled members
- Second 3D printer
- Extend to other branches
- Circulating maker kits
- Online orientation with quiz



Amanda.Feist@ci.stpaul.mn.us
Andrea.Herman@ci.stpaul.mn.us
Xenia.Hernandez@ci.stpaul.mn.us



The Innovation Lab Nicholson Workforce & Innovation Center, 3rd fl George Latimer Central Library 90 West 4th St Saint Paul, MN 55102

> spplwincenter@gmail.com 651-266-7000