

5-Week Webinar Series for Library Professionals from *Infopeople* 

Makers in the Library:

DEVELOPING AND SUSTAINING A COMMUNITY- CENTERED MAKERSPACE

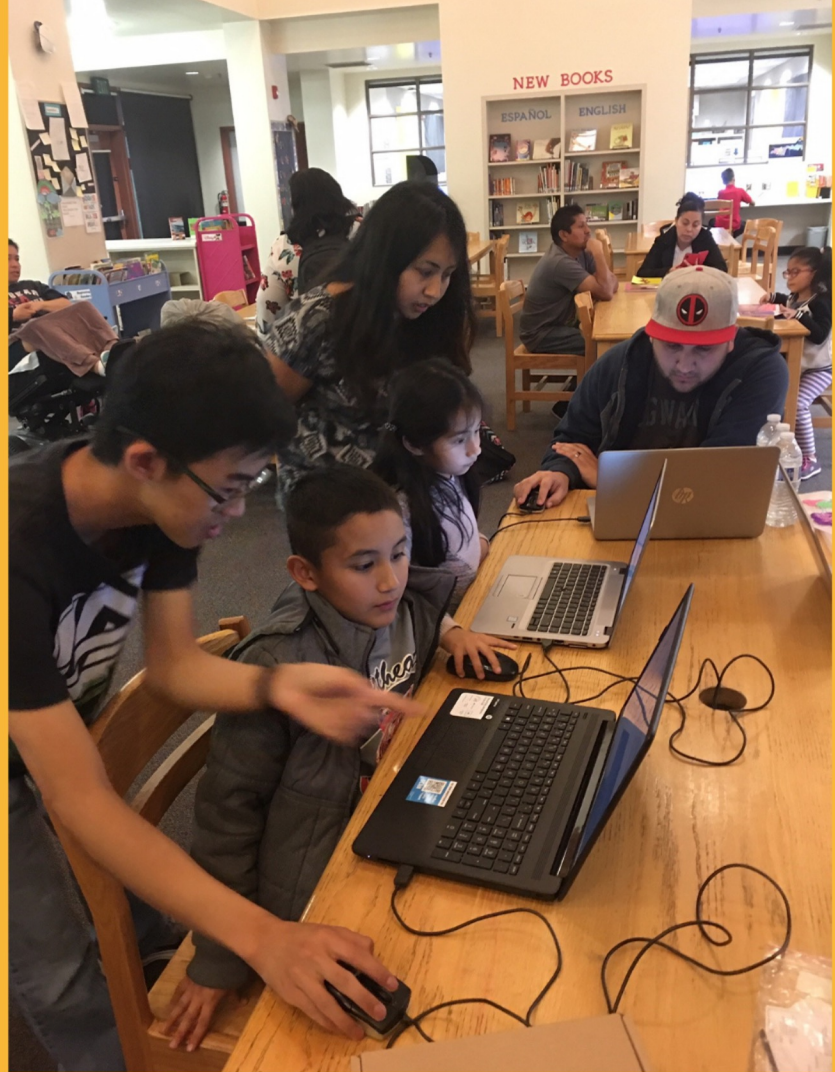
**From the authors of the Makers in the Library Toolkit
and The New Face of Library Makerspaces IMLS Grant
makersinthelibrary.org**

WEBINAR #1

Listen & Discover: Connecting with Community

APRIL 6, 2022,
12:00-1:00 PM PT
3:00-4:00 PM ET

makersinthelibrary.org

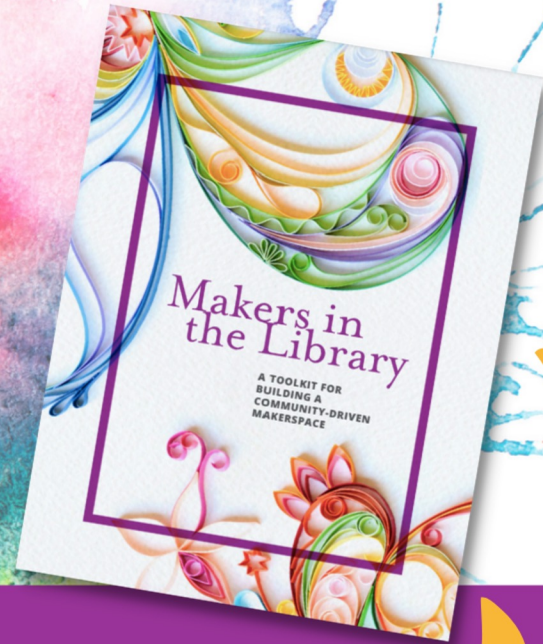


MAKERS IN THE LIBRARY: A TOOLKIT FOR BUILDING A COMMUNITY-DRIVEN MAKERSPACE

Are limited staff, space, and budget preventing your library from creating a makerspace?

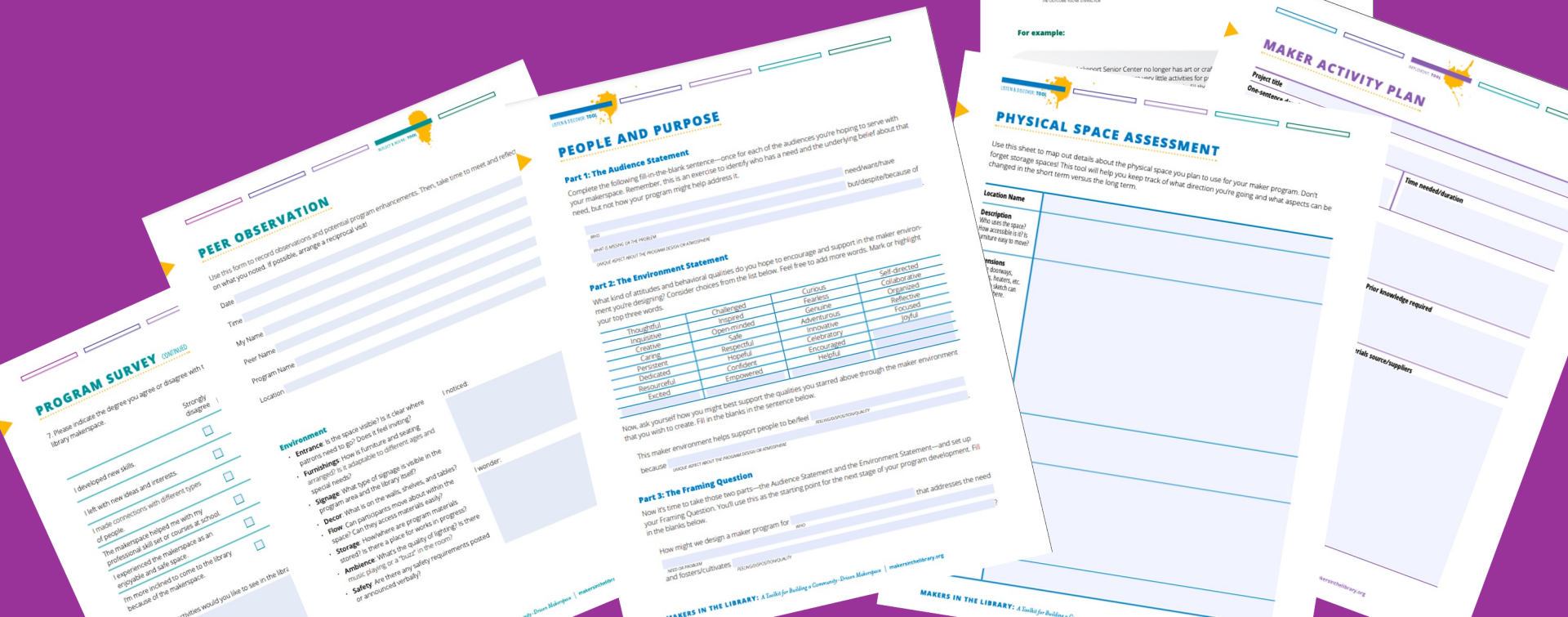
This toolkit provides a library-tested process for creating and sustaining a community-driven makerspace, no matter what your constraints.

free toolkit download from
makersinthelibrary.org

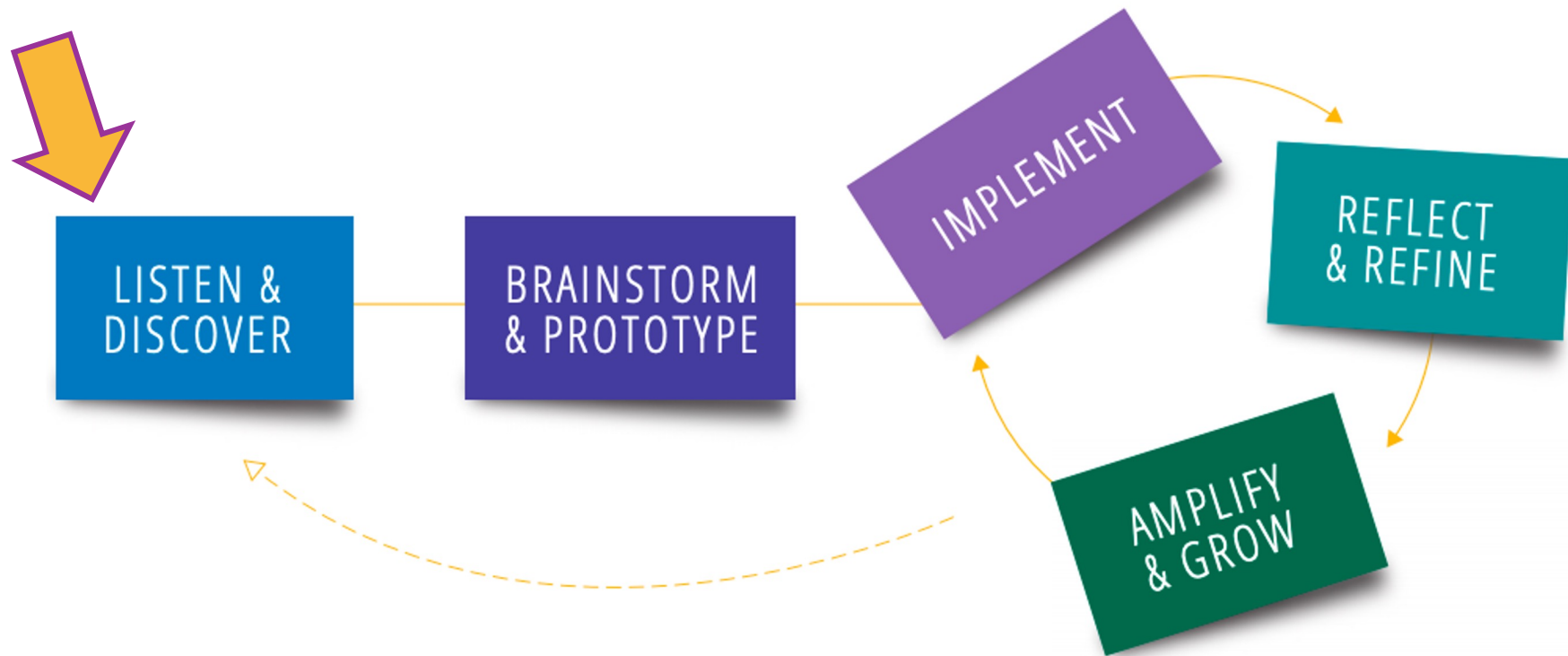


The **New Face of Library Makerspaces** builds on this 2 1/2 year California State Library project and seeks to develop additional content, and share these tools and processes nationally, in partnership with the nonprofit organization Nation of Makers

21 Adaptable and Practical Tools Developed in Partnership with Ten Diverse California Public Libraries



Our Toolkit Provides a Flexible, Non-Linear Process, Focused on the People You Serve



Meet Our Presenters



Lisa Regalla,
CEO
Regallium
Consulting,
LLC



**Pamela Van
Halsema,**
Maker -
Librarian,
P. Van
Halsema
Consulting



**Elacsha
Madison,**
Teen
Engagement
Coordinator,
Evanston
Public Library



**Guadalupe
Gomez,**
Library
Services
Manager,
Anaheim
Public Library



**Magali
Rivera,**
Librarian,
Anaheim
Public Library



Amy Patton,
Adult Services
Specialist
Lake County
Library

The background is a solid orange color. On the left side, there are several teal-colored paint splashes of various sizes and shapes, some with smaller droplets trailing off from the main splashes. The title 'Let's Chat' is written in a large, white, sans-serif font, positioned in the upper right quadrant of the slide.

Let's Chat

- Interact with us via polls, chat and Q&A, even though we are in a webinar format!
- Our panelists are here live during the session, so chat with us at any time during our session.
- Use the Q and A to ask questions anonymously for anyone on the panel and we will type our answers during the session.

Let's Chat

Multiple Choice Poll: Do you have a makerspace program at your library?

- A. We have one! *(Please share! Link to your website in the chat!)*
- B. We don't, but wish we did.
- C. We have one, but it has been closed due to the pandemic
- D. Other - tell us!

A large, irregular teal paint splatter graphic is positioned on the left side of the slide, extending towards the center. It has several smaller droplets and splatters around its main body. The background is a solid orange color.

Let's Chat

What is the first thing you think of
when you hear the word makerspace?

Makers are:

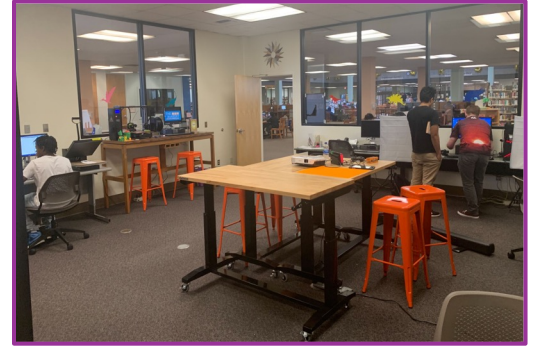
- * Curious
- * Playful
- * Hands-on learners
- * Resourceful
- * Self-directed
- * Persistent and learn from failure
- * Collaborative and learn from others
- * Willing to share ideas
- * Problem solvers
- * Focused on process more than finished product
- * Open to the unexpected
- * Comfortable with “not knowing”

Makerspaces offer open-ended activities, and access to learn, explore, collaborate and share.

Libraries are the perfect setting for this because of their mission to support a community of lifelong learning.

What Do We Mean By *Makerspace*?

- ▶ **MULTI-USE SPACE** (indoor or outdoor)
- ▶ **DEDICATED SPACE**
- ▶ **COMMUNITY EVENTS**
- ▶ **MAKER BOX PROGRAM**
- ▶ **VIRTUAL PROGRAM**
- ▶ **TAKE & MAKE PROGRAM**
- ▶ **OUTREACH PROGRAM OFFSITE**



Key takeaways for today:

- ✓ Maker Programs Start with People
- ✓ Gather information from stakeholders
 - inside & outside the library
- ✓ Take note of your maker ecosystem
- ✓ Take account of your assets
- ✓ Identify a group that is the primary audience
- ✓ Think about the environment for making
- ✓ Identify needs and interests of the primary audience that the program can address

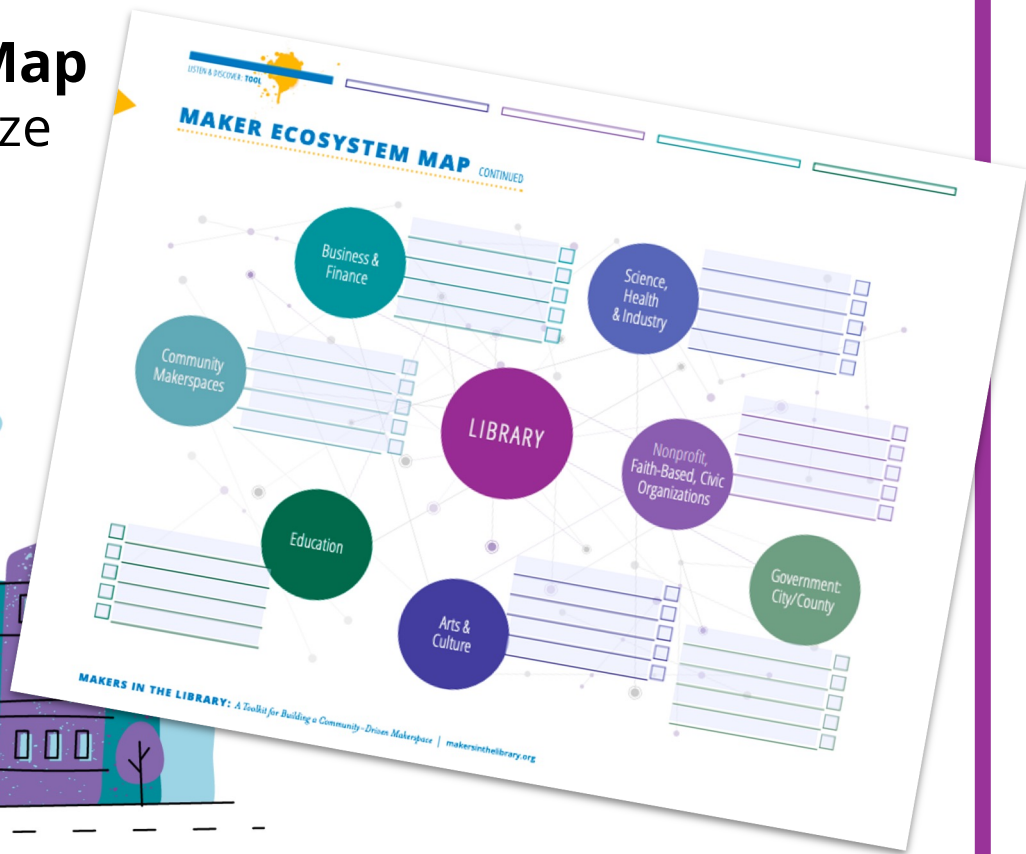


Start with People

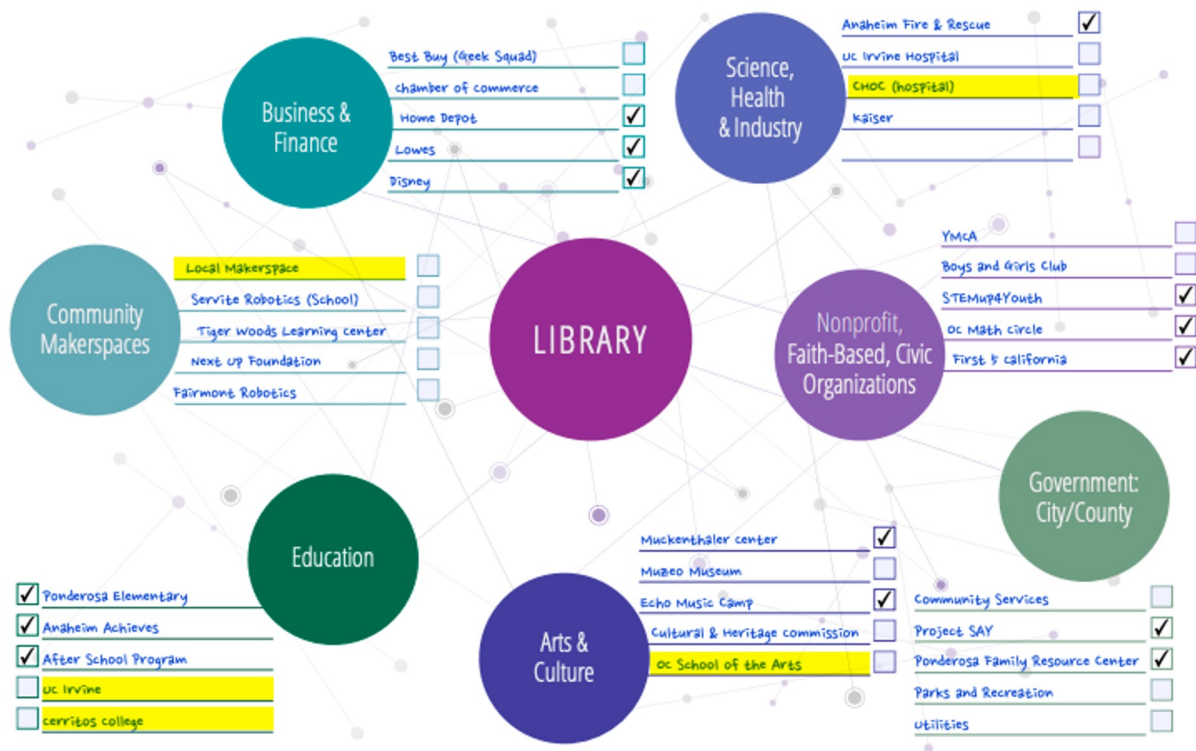


Tool Example: Ecosystem Map

Use this tool to visually organize the people, businesses, and organizations in your library's ecosystem.



MAKER ECOSYSTEM MAP EXAMPLE



What people and organizations in your local community are part of your maker ecosystem?



Elacsha Madison,
Teen Engagement Coordinator,
Evanston Public Library

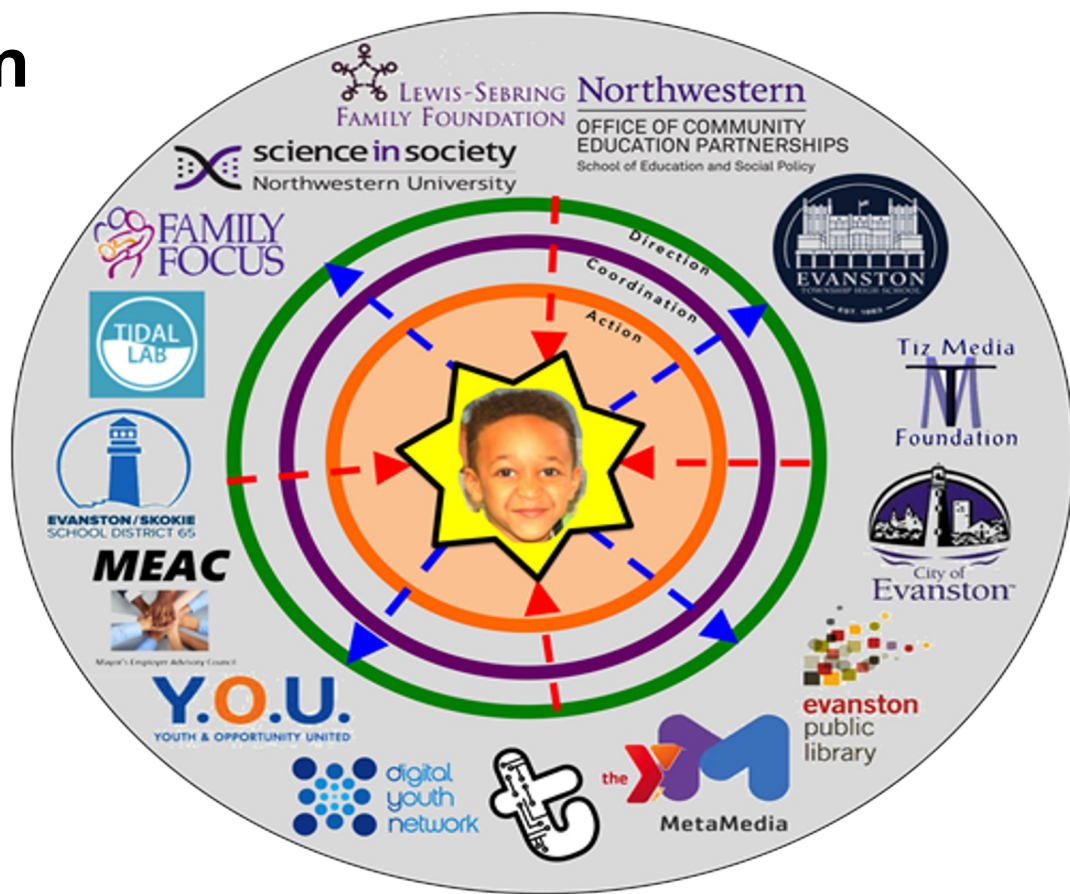
Evanston Public Library

- ▶ Where is Evanston?
(Neighbor to Chicago)
- ▶ Community We Serve
- ▶ Dedicated Teen Space
- ▶ Community Listening Sessions
- ▶ EVANSTEM Maker Ecosystem
- ▶ Evanston Public Library
Maker Ecosystem

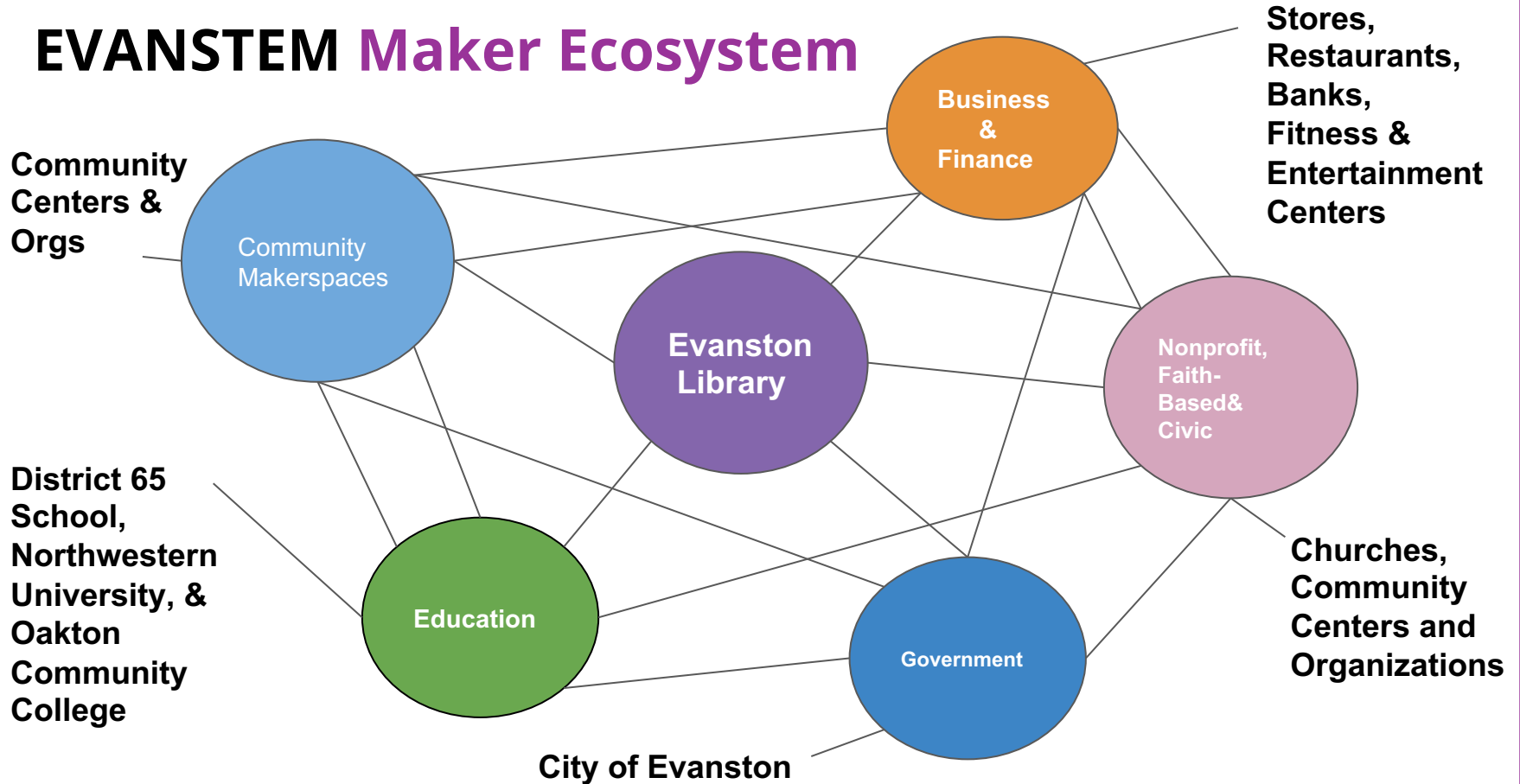


EVANSTEM Mission

- ▶ To coordinate partnerships and programs to build relationships with underrepresented students along STEM pathways to and through high school into college and career.



EVANSTEM Maker Ecosystem



Listen to Stakeholders and Share Your Makerspace Hopes with Them

- ✓ Library Patrons
- ✓ Community Partners
- ✓ Staff



Tool Example: Focus Groups

A small-group discussion to learn about opinions on a specific topic, in order to guide future action.



Listen & Discover

FOCUS GROUP FACILITATION SCRIPT

PHONE CALL INVITATION

(This script can be adapted for in-person conversation or announcement at a workshop or meeting.)
Customize the highlighted fields to fit your own library's situation.

"Hi, [PERSON'S NAME], this is [YOUR NAME]. I hope that you're well."

"I'm calling because we're starting a new project, and we think your perspective could help us begin to shape the program design."

"We're developing new creative programming for [YOUR LIBRARY NAME], and we're trying to identify the needs of our community. Because of your familiarity with [YOUR LIBRARY NAME], we think you have some insight that could help us."

"I'm wondering if you might be willing to join our focus group discussion. We're planning to audio record the session so we can refer back to what was said. We would like the atmosphere to be casual, friendly, and conversational. We would like you to join our focus group, which is scheduled to take place on [DATE]."

"If they say no, thank them for considering and end the conversation. Do not ask them to participate. If they agree to participate, ask if they're offering, etc. If the person agrees to participate, circulate a clipboard at a meeting, circulate a clipboard."

FOCUS GROUP QUESTIONS

SAMPLE QUESTIONS FOR STAFF

- Name? Title? Responsibility?
- How long have you worked at this library?
- How would you describe what it means to be a maker?
- How would you describe what a makerspace is?
- Have you ever visited a makerspace? If yes, where was it? Have you ever participated in any maker activities?
- Have you ever designed or participated in the design of a makerspace (in a library or other local place)?
- What would be the advantage of creating a makerspace for this library? For staff? For the community? What might be some disadvantages?
- What are some of your concerns about creating a makerspace (space, staffing, logistics, training, etc.)?
- How does a makerspace help fulfill the mission of your library?
- Who would be the primary users of the makerspace? Can you describe them? When would the most likely be using the space?
- What types of activities should the makerspace provide?
- Where should the makerspace be physically located?
- What type of staffing structure do you think needs to be in place (volunteer staff, volunteers, members, etc.) for your makerspace to be successful?
- Describe what it might be like for a patron to experience a makerspace here at the library. How would they feel during the experience? What might they be inspired to do as a result?
- What type of training or professional development for staff/volunteers would support a successful makerspace?
- How do you think your job will be impacted by the development of a makerspace?
- How could a makerspace be integrated into existing library programs and services?
- What are any concerns or restrictions (fiscal, administrative, logistical, etc.)?
- Are there any local community groups or organizations that might be helpful to partner with for your makerspace? Who are they and why?
- What are some ways that the library might promote the makerspace to patrons and the broader community?
- What would constitute a successful makerspace?
- Any other comments/questions/concerns/needs?

FOCUS GROUP FACILITATION SCRIPT

Thank you very much for taking this time to speak with us today.

My name is [NAME] I am the [TITLE] at [LIBRARY NAME].
The reason we're here today is to gather your opinions and attitudes about our library's makerspace. In order to design a makerspace that meets our communities needs, it's important that we hear from our patrons, staff, and community members.

As a reminder, this focus group is voluntary, so you may choose to end your participation at any time without risk. We encourage you to answer each question as honestly as possible, as that will be most helpful. However, you may choose not to answer any question(s).

In order to assure accuracy, we would like to record audio of this session. Please note that your name and other personally identifying information will be removed from any notes, transcripts, or reports we write. Do we have your permission to record?

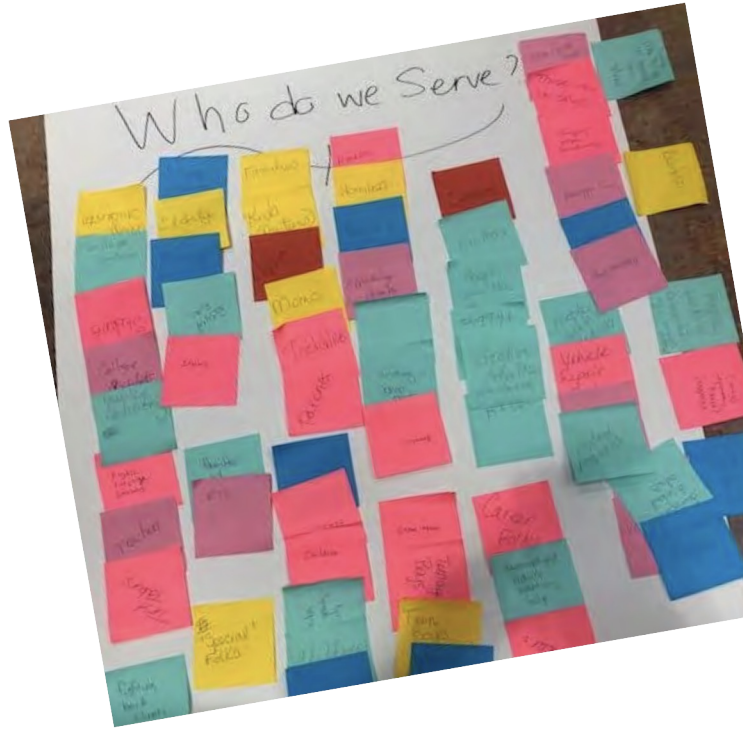
To allow our conversation to flow more freely and make the session run smoothly today, I'd like to go over some agreements.

1. Only one person should speak at a time. This is doubly important as our goal is to make a written transcript of our conversation today. It's difficult to capture everyone's experience and perspective on our audio recording if there are multiple voices at once.
2. Please avoid side conversations.
3. Everyone doesn't have to answer every single question, but I'd like to hear from each of you today as the discussion progresses.
4. There are no "wrong answers"; just different opinions. Say what is true for you, even if you're the only one who feels that way. What is said in this room stays in this room.

If you need a break, the bathrooms are located [LOCATION]. Are there any questions?

Great, let's get started.

Synthesize the Listening Notes, Reveal Discoveries



After you listened,
what did you hear
that your community
needed and wanted
in a maker program?



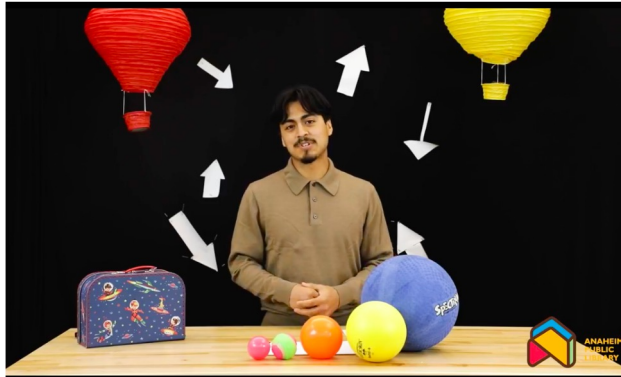
Guadalupe Gomez,
Library Services Manager,
Anaheim Public Library



Magali Rivera,
Librarian,
Anaheim Public Library

**THE CREATIVITY LAB:
COMMUNITY MAKERSPACE**
at Ponderosa Joint-Use Branch





STEAM





Tools for taking stock of what you already have:

- Space Assessment
- Program Inventory
- Supplies
- Tools and Furniture
- Staff Skills and Interests
- External Resources

PHYSICAL INVENTORY CHECKLIST

Use this checklist to take note of the physical assets your library already has available. Mark the quantity you have on hand in the box. If an item is in need of repair, add an "R" in the box.

CUTTING TOOLS

☐ Craft Knife
☐ Cutting Mat
☐ Die Cutter
☐ Fabric Scissors
☐ Pencil Sharpener
☐ Paper Cutter
☐ Scissors (adult)
☐ Scissors (children)
☐ Utility Shears

HAND TOOLS

☐ File/Rasp
☐ Hammer
☐ Pliers
☐ Precision Screwdrivers
☐ Rubber Mallet
☐ Screwdriver
☐ Wrench

JOINING TOOLS

☐ Bungee Cords
☐ Clamps
☐ Hot Glue Gun
☐ Staple Gun
☐ Vice

POWERED HAND TOOLS

☐ Drill
☐ Dremel
☐ Jigsaw
☐ Power Sander
☐ Power Screwdriver
☐ Router
☐ Zip Snip Cutter

MEASURING TOOLS

☐ Balance Scale
☐ Electronic Scale
☐ Measuring Tape
☐ Ruler
☐ Cloth Tape Measure
☐ Thermometer

SAFETY/MAINTENANCE

☐ Air Purifier
☐ Fire Extinguisher
☐ First Aid Kit
☐ Fire Blanket
☐ Safety Goggles
☐ Shop Vac
☐ Work Gloves

3D DESIGN AND FAB

☐ 3D Pens
☐ 3D Printer
☐ 3D Scanner
☐ CNC Mill
☐ Digital Emb Machine
☐ Heat Press
☐ Laser Cutter
☐ Vinyl Cutter

COMPUTERS

☐ Chromebook
☐ Desktop Computer
☐ Game/Console
☐ iPad/Tablet
☐ Laptop

2D PRINTERS AND

☐ 2D Scanner
☐ Inkjet Printer
☐ Large-Format Printer
☐ Laser Printer
☐ Photo Printer

MAKERS IN THE LIBRARY: A Toolkit for Building a Community-Driven Makerspace | makersintheibrary.org

PHYSICAL SPACE ASSESSMENT

Use this sheet to map out details about the physical space you plan to use for your maker program. Don't forget storage spaces! This tool will help you keep track of what direction you're going and what aspects can be changed in the short term versus the long term.

Location Name

Description
 Who uses the space?
 How accessible is it? Is furniture easy to move?

Dimensions
 Include doorways, windows, heaters, etc.
 Drawing a sketch can be helpful here.

What aspects are currently under your control (schedule, lighting, storage, etc.)?

What aspects do you hope to be able to influence in the future (ventilation, furniture, etc.)?

Attach a photo or insert a link.

PROGRAM INVENTORY

STEP 1

Save/print at least three months' worth of your library's program calendars for all departments.

STEP 2

Review the list of programs and consider which ones have elements that are aligned with the maker mindset or encourage participants to make (e.g., any hands-on, creative, arts, or science programs).

STEP 3

Log each program that has maker elements on this document with the categories provided. Do not repeat program entries (e.g., a weekly robotics program only needs to be entered once).

STEP 4

Review the inventory as a whole and reflect on the following questions:

- What surprised you about your programs when you did this activity?
- Was it hard to identify if a program was a "maker program"? Why or why not?
- What actions do you need to take if you want to adjust or include existing program(s) into your new makerspace initiative?

Program Name	Frequency	Audience	Coordinated by (department/person)	Existing partners or sponsors	Does this program encourage a maker mindset or invite participants to make? Explain.

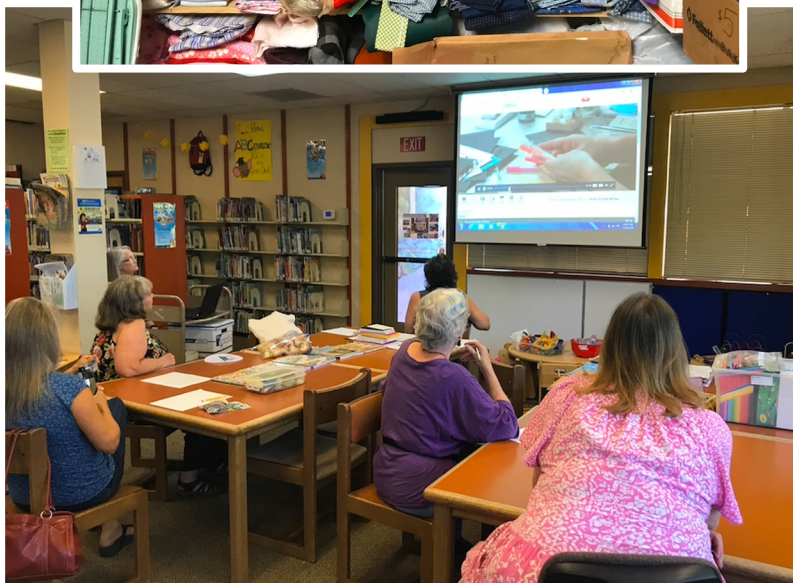
What existing library
assets did you
leverage to launch
and sustain your
maker program?



Amy Patton,
Adult Services Specialist
Lake County Library







Tool Example: People and Purpose Tool

A worksheet to help you define the audience your makerspace is designed to serve, the kind of environment you hope to cultivate, and the need you are trying to fill with the makerspace program.

LEARNING TOOL

PEOPLE AND PURPOSE

Part 1: The Audience Statement

Complete the following fill-in-the-blank sentence—once for each of the audiences you're hoping to serve with your makerspace. Remember, this is an exercise to identify who has a need and the underlying belief about that need, but not how your program might help address it.

WHO _____ need/want/have _____
WHAT IS BEING OF THE PROBLEM _____ but/despite/because of _____
WHICH ASPECT ABOUT THE PROGRAM DESIGN OR ENVIRONMENT _____

Part 2: The Environment Statement

What kind of attitudes and behavioral qualities do you hope to encourage and support in the maker environment you're designing? Consider choices from the list below. Feel free to add more words. Mark or highlight your top three words.

Thoughtful	Challenged	Curious	Self-directed
Inquisitive	Inspired	Fearless	Collaborative
Creative	Open-minded	Genuine	Organized
Caring	Safe	Adventurous	Reflective
Persistent	Respectful	Innovative	Focused
Dedicated	Hopeful	Celebratory	
Resourceful	Confident	Encouraged	
Excited	Empowered	Helpful	

Now, ask yourself how you might best support the qualities you starred above through the maker environment that you wish to create. Fill in the blanks in the sentence below.

The maker environment helps support people to believe _____
because _____

Part 3: The Framing Question

Now it's time to take those two parts—the Audience Statement and the Environment Statement—and set up your Framing Question. You'll use this as the starting point for the next stage of your program development. Fill in the blanks below.

How might we design a maker program for _____
WHO _____
that addresses the need _____
and fosters/cultivates _____
WHAT OR HOW _____
that addresses the need _____
HOW AND HOW _____




MAKERS IN THE LIBRARY: A Toolkit for Building a Community-Driven Makerspace | makersinthelibrary.org

Listen & Discover

People and Purpose: The Audience Statement

Part 1: The Audience Statement

Complete the following fill-in-the-blank sentence—once for each of the audiences you're hoping to serve with your makerspace. Remember, this is an exercise to identify who has a need and the underlying belief about that need, but not how your program might help address it.

	<input type="text"/>	need/want/have
	<input type="text"/>	but/despite/because of
	<input type="text"/>	.

WHO

WHAT IS MISSING OR THE PROBLEM

UNIQUE ASPECT ABOUT THE PROGRAM DESIGN OR ATMOSPHERE

People and Purpose: The Environment Statement

Part 2: The Environment Statement

What kind of attitudes and behavioral qualities do you hope to encourage and support in the maker environment you're designing? Consider choices from the list below. Feel free to add more words. Mark or highlight your top three words.

Thoughtful	Challenged	Curious	Self-directed
Inquisitive	Inspired	Fearless	Collaborative
Creative	Open-minded	Genuine	Organized
Caring	Safe	Adventurous	Reflective
Persistent	Respectful	Innovative	Focused
Dedicated	Hopeful	Celebratory	Joyful
Resourceful	Confident	Encouraged	
Excited	Empowered	Helpful	

The Environment Statement

Now, ask yourself how you might best support the qualities you starred above through the maker environment that you wish to create. Fill in the blanks in the sentence below.

This maker environment helps support people to be/feel

FEELING/DISPOSITION/QUALITY

because

UNIQUE ASPECT ABOUT THE PROGRAM DESIGN OR ATMOSPHERE

The Framing Question to guide your next stage of the program design process

Part 3: The Framing Question

Now it's time to take those two parts—the Audience Statement and the Environment Statement—and set up your Framing Question. You'll use this as the starting point for the next stage of your program development. Fill in the blanks below.

How might we design a maker program for  that addresses the need

  *NEED OR PROBLEM*

and fosters/cultivates  ?

FEELING/DISPOSITION/QUALITY 

WHO 

Examples

How might we design a maker program for **teens** that addresses the need for **a safe, positive, enriching recreational and social space** and **fosters collaboration, innovation, and learning**?

How might we design a maker program for **adults** that addresses the need for **free education and training** and **fosters the development of community and new personal and professional skills**?

What's Next?

April 13: Brainstorm & Prototype: Out of the Box Thinking and Testing Ideas

April 20: Implementation: The Nitty Gritty of Planning & Preparing Creative Maker Experiences

April 27: Reflect & Refine: Using Evaluation to Strengthen Programs

May 4: Amplify & Grow: Marketing, Fundraising and Professional Growth

Professional Network of Support

Join our Makers in the Library
Facebook Group



Contact Us!

Lisa Regalla, CEO
Regallium Consulting, LLC
lisa@regalliumconsulting.com

Pamela Van Halsema, MLIS
P. Van Halsema Consulting
pamela@pvanhalsema.com

makersinthelibrary.org



SURVEY

Library Makerspace COVID-19 Innovations Survey

**We invite public libraries to take the survey
by April 30, 2022**

How did your library maker program change due
to the COVID-19 pandemic?

Did your programs reach different audiences?

What new training did the staff need?

What innovations did you introduce that
might continue post-pandemic?



makersinthelibrary.org/COVIDsurvey

This survey is part of the IMLS-funded project *The New Face of Library Makerspaces*

Help us spread the word about our our COVID-Innovations Survey

makersinthelibrary.org/covidsurvey

This project was made possible in part by the Institute of Museum and Library Services, Funding for this InfoPeople webinar and The New Face of Library Makerspaces project (2021-2023) was made possible in part by the Institute of Museum and Library Services Grant #RE-250100-OLS-21 in partnership with CALIFA, Regallium Consulting, P. Van Halsema Consulting

