

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](http://makersinthelibrary.org)**

WEBINAR #2

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

APRIL 13, 2022,  
12:00-1:00 PM PT  
3:00-4:00 PM ET

[makersinthelibrary.org](https://makersinthelibrary.org)



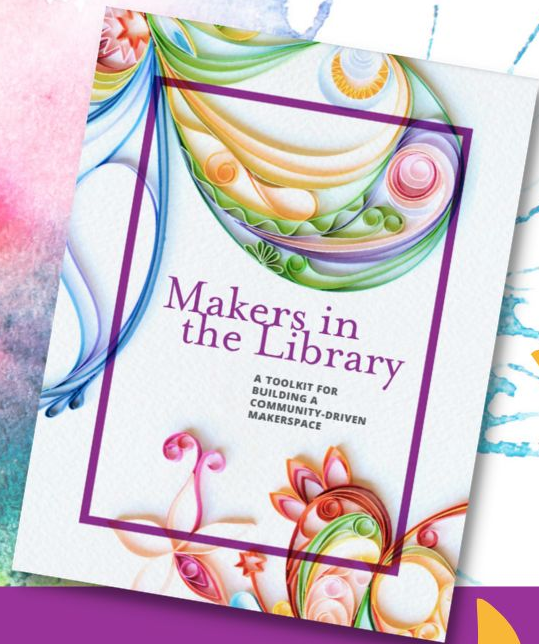


# MAKERS IN THE LIBRARY: A TOOLKIT FOR BUILDING A COMMUNITY-DRIVEN MAKERSPACE

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

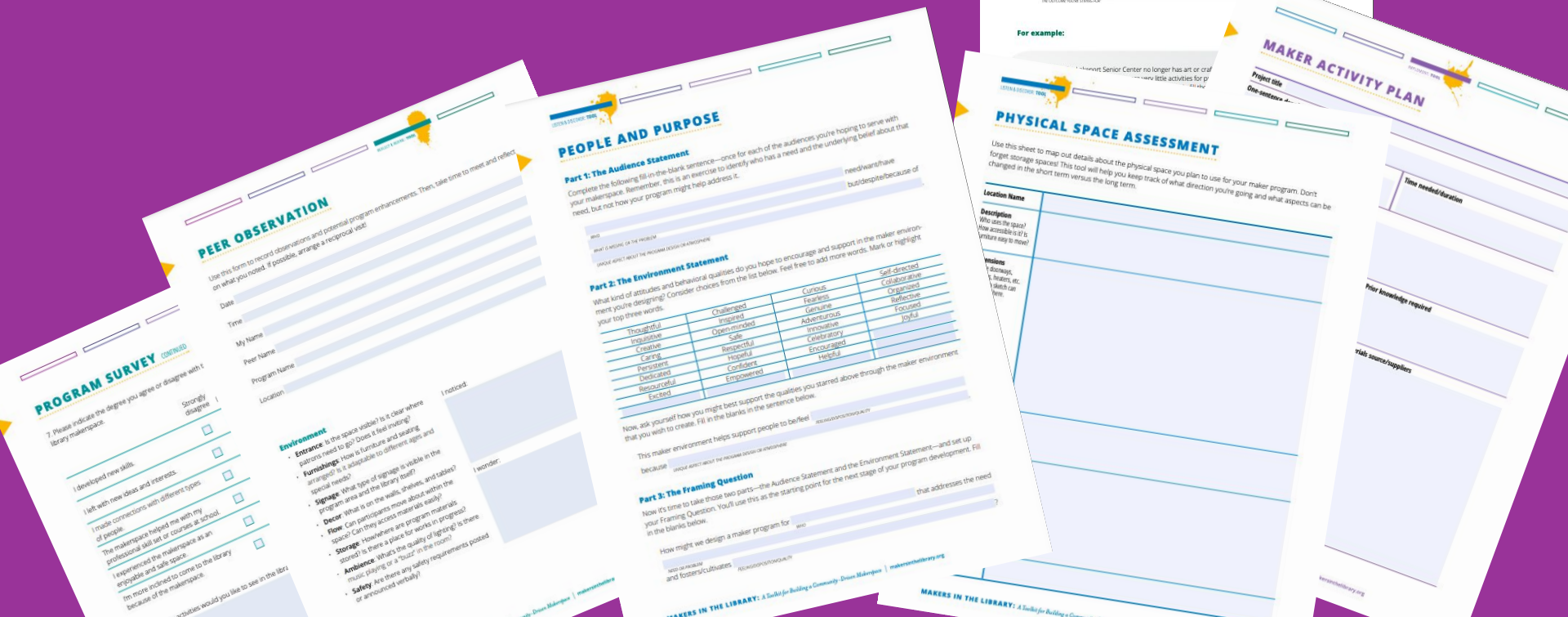
This toolkit provides a library-tested process for creating and sustaining a community-driven makerspace, no matter what your constraints.

**free toolkit download from**  
**[makersinthelibrary.org](http://makersinthelibrary.org)**



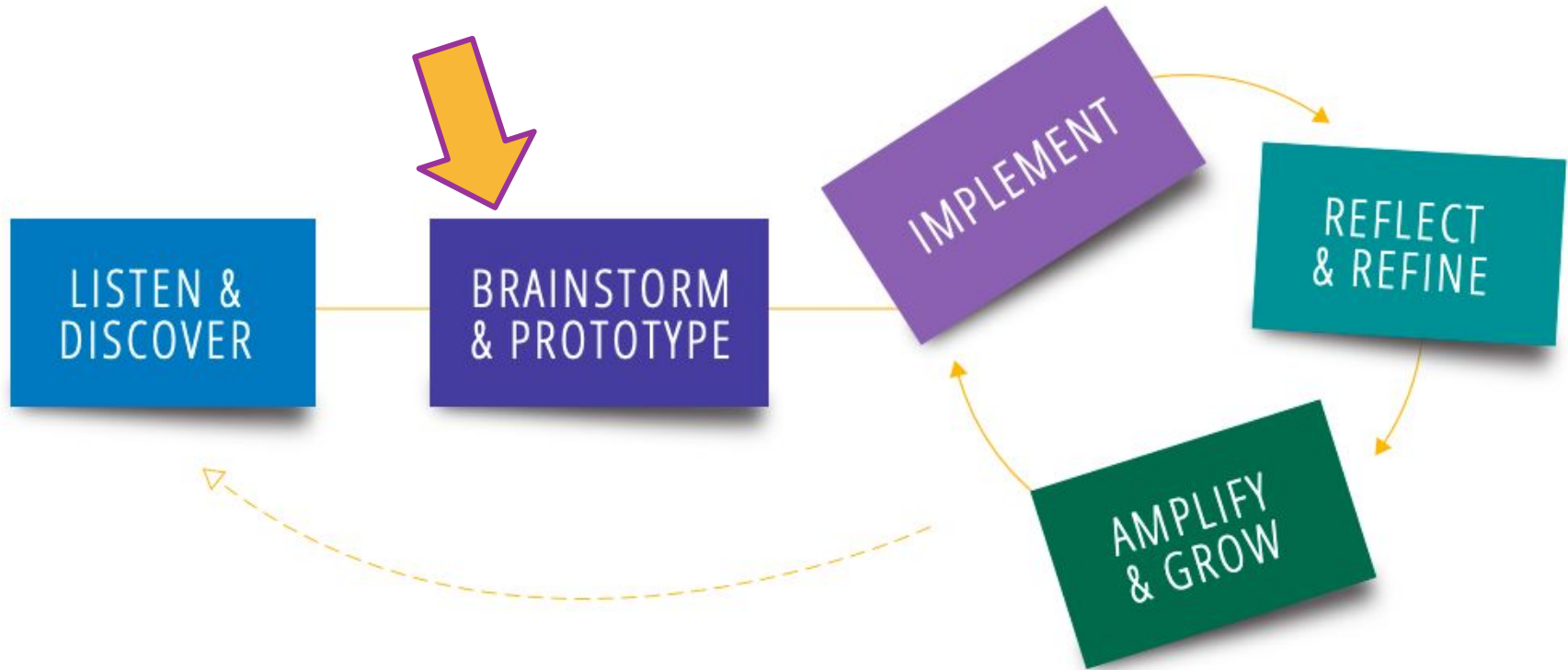
The **New Face of Library Makerspaces** builds on this 2 1/2 year California State Library project and seeks to develop additional content, and share these tools and processes nationally, in partnership with the nonprofit organization Nation of Makers

# 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



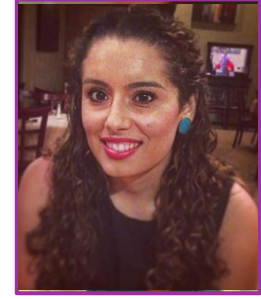
**Lisa Regalla, PhD**  
CEO  
Regallium Consulting



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



**Jennifer Ensign**  
Children's Programming  
Coordinator  
Cameron Public Library



**Veronica Casanova**  
Librarian IV,  
Tulare County Library  
Exeter Branch

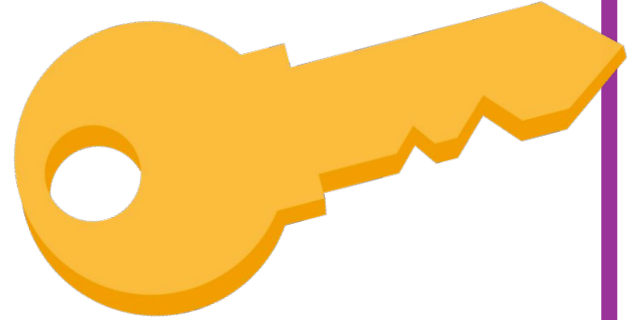


# Let's Chat

- 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.

## Key takeaways for today:

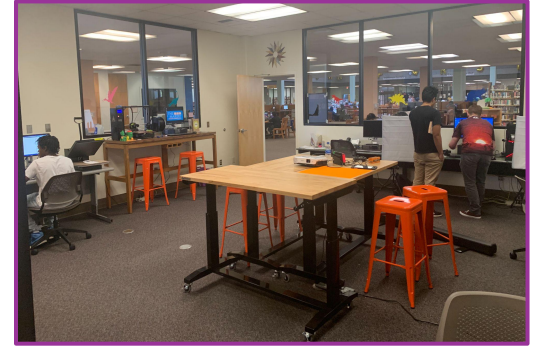
- ✓ Think about the benefits/challenges of different implementation models
- ✓ Brainstorm with your colleagues and visit other makerspaces to gain new ideas/perspectives
- ✓ Start small! Try out little ideas to see how they resonate with your community
- ✓ Document what you did and how it went



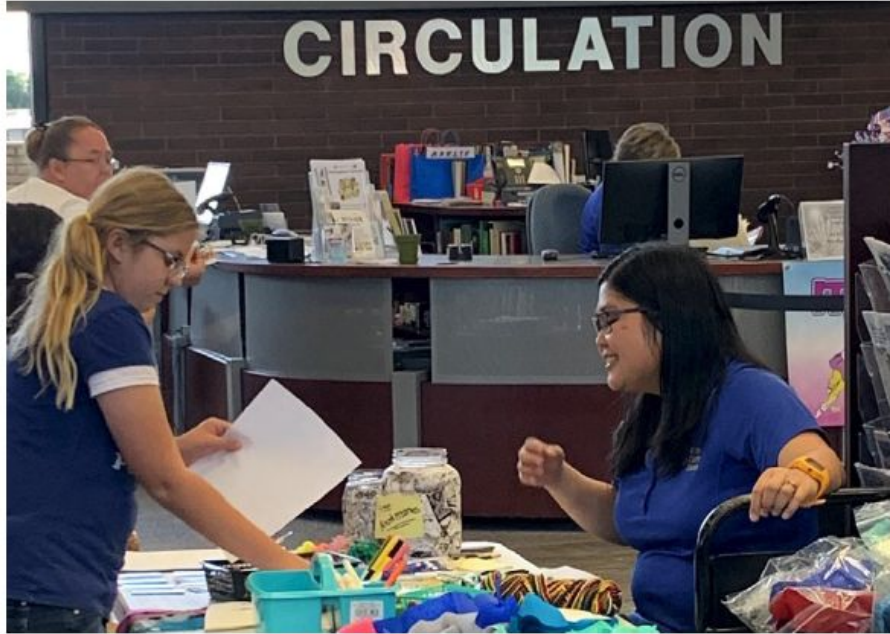


# What Do We Mean By *Makerspace*?

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



# Multi-use Space (indoor or outdoor)



*Maker Mondays at Kings County Library*



*A coding program at Ponderosa Library*



# Dedicated Space



*The Makery is a dedicated makerspace housed in a former computer lab at the JFK Library. These photos show before (left) and after (right) the transformation.*

# Community Events

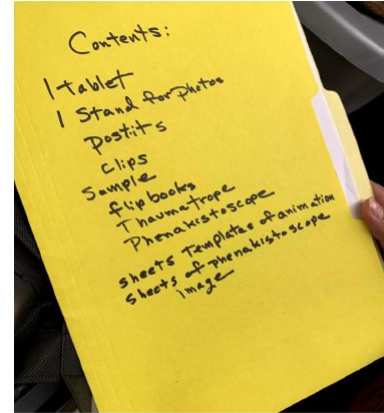


*Gilroy Mini-Maker Faire*

# Maker Box Program



*Simple Circuits maker box from Pixley Library*



*Blanchard  
Community  
Library  
Flipbook  
Animation  
maker box*



# Virtual Program



*JFK Library offered a livestream cooking demonstration from The Makery.*



# Take and Make



*The San Luis Obispo Library teamed up with a local artist to design "Art2Go" kits, distributed curbside to hundreds of local teens and tweens.*

# Outreach Program (offsite)



*Sphero mini golf on a book bike*



*VR experience mobile cart*

*San Mateo County Libraries*

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 other makerspace models should we consider?

How has your  
makerspace  
program evolved  
over the past 5  
years?



**Jennifer Ensign**  
Children's Programming  
Coordinator  
Cameron Public Library



# Cameron Public Library - Cameron, MO

	Pre-pandemic	Now
<b>MULTI-USE SPACE</b>	Cardboard city, Large scale events	Self-led stations available all week instead of just for the event
<b>DEDICATED SPACE</b>	Coding classes, Slime events, Cooking	One on one tutoring, a staging point for other activities
<b>COMMUNITY EVENTS</b>	Bringing the button maker to local events at the YMCA	Bringing making tools to outdoor events, Farmers Markets, etc
<b>MAKER BOX PROGRAM</b>		
<b>VIRTUAL PROGRAM</b>	nonexistent	Prerecorded instructions, Zoom meetings, Minecraft Realms
<b>TAKE &amp; MAKE PROGRAM</b>	nonexistent	Weekly themed kits with STEM and art projects
<b>OUTREACH PROGRAM</b>	School and daycare visits	Facebook Live, lending maker tools

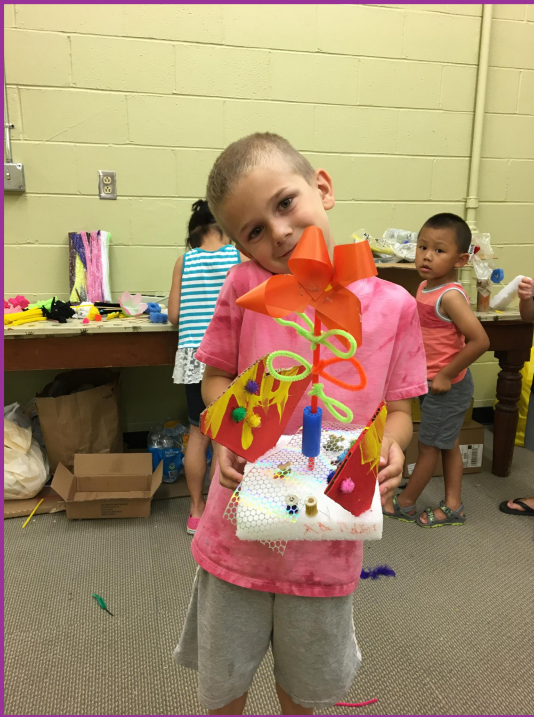
# Cameron Public Library



## Cameron, Missouri

How might we design a maker program for **tweens** that addresses the need for **a safe and inclusive space** and fosters **confidence, creativity, and collaboration**?

# Start small and see what works



# Use the spaces you have

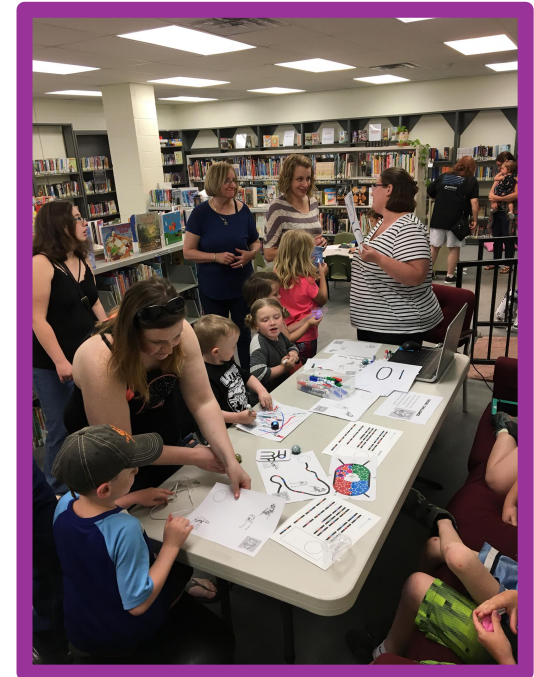




# What are you passionate about?



# How can you incorporate making?



# How can you incorporate making?





# How can you incorporate making?





# What is your community passionate about?



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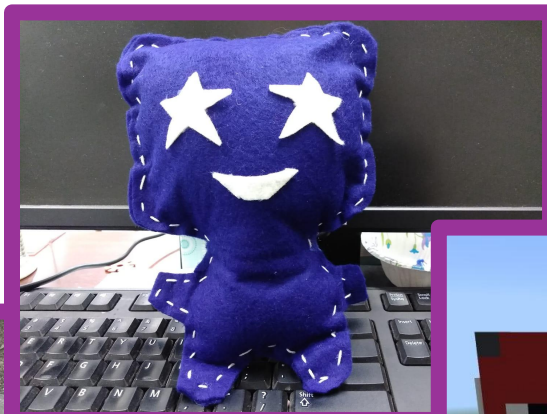
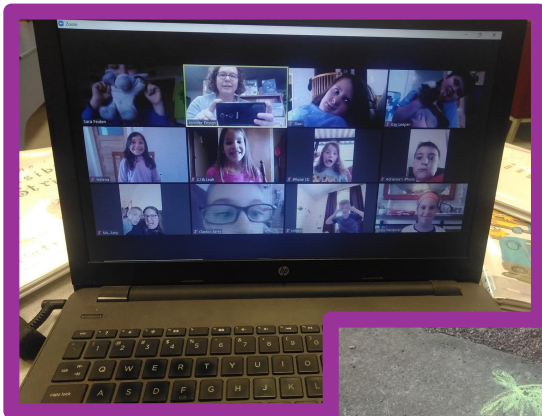


# What is your community passionate about?





# How can you adapt?



# Jennifer Ensign



[youth@cameronlibrary.org](mailto:youth@cameronlibrary.org)



**@Library\_Jen**



**@cameronpublic**



**@cameronpubliclibrary**

# Brainstorm



**BRAINSTORMING**  
A group activity where you quickly and spontaneously generate a large volume of possible ways to solve a problem.

*Brainstorming with your team can open doors to creative solutions.*

BRAINSTORM & PROTOTYPE TOOL

FIELD TRIP NOTES

Makerspace Name  Location

Contact Name  Email/Phone

Be sure to ask if you can take photos!

Great ideas I got from touring this makerspace:

<b>Space</b> What did you notice about the furniture, lighting, signage, storage, ventilation, etc.?	<input type="text"/>
<b>Tools/Materials</b> How accessible are they to patrons? Is there any safety signage/waivers?	<input type="text"/>
<b>Programming</b> What types of programs do they offer? How often? For what audiences? How are they received?	<input type="text"/>
<b>Operations</b> Who staffs the space? How are they trained? What partnerships are in place? How is it funded?	<input type="text"/>

What gets you excited after visiting this makerspace?

What are three things you learned that could apply to your library's makerspace?

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

**Visiting other makerspaces (either in-person or virtually) can provide a wealth of new insights and ideas!**

The **Field Trip Notes** tool includes:

- Factors to consider during your visit
- A place to keep track of your thoughts

**makersinthelibrary.org**

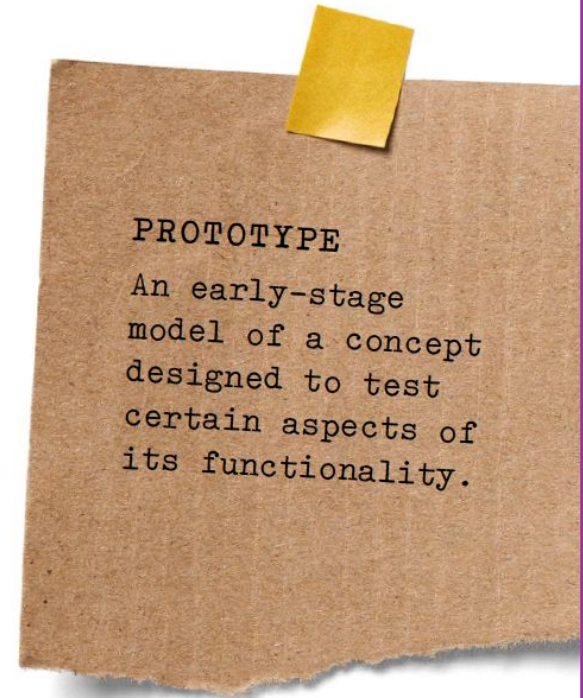
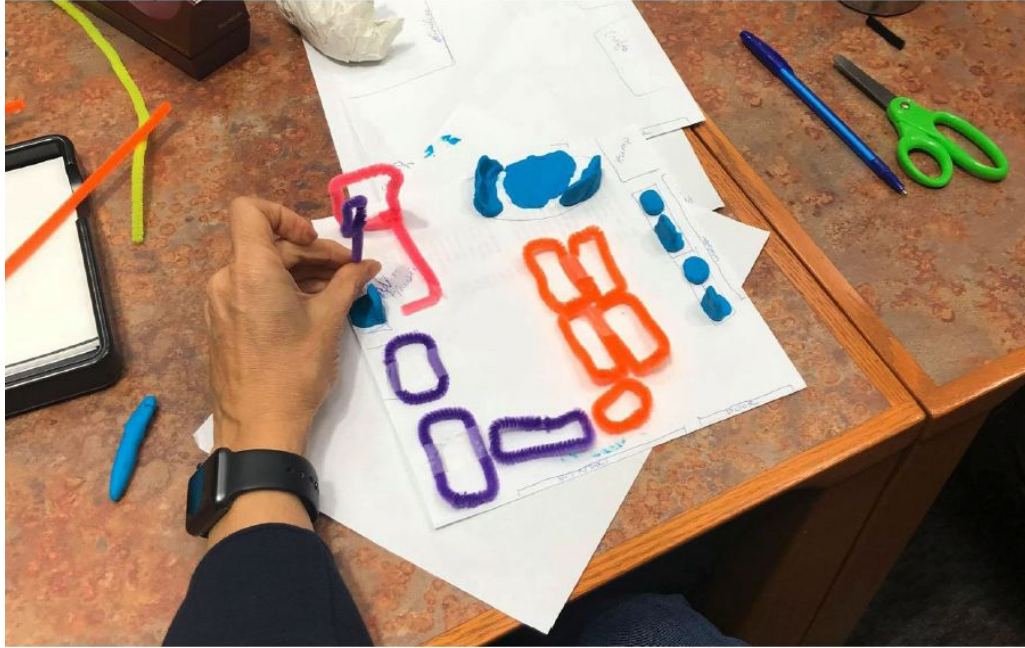


The background is a solid orange color. On the left side, there is a large, irregular teal paint splash. Several smaller teal droplets and splatters are scattered around the main splash, extending towards the top and bottom edges of the frame.

# Let's Chat

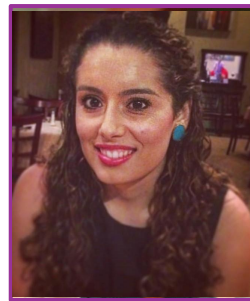
Who from your maker ecosystem map could you invite to a brainstorming session or visit on a field trip?

# Start small!



*Prototypes are sometimes rough, quickly made models built from simple materials that help you think through a concept, like this makerspace layout prototype from the JFK Library.*

# What types of prototypes have helped shape your maker programming?



**Veronica Casanova**  
Librarian IV,  
Tulare County Library  
Exeter Branch

# Exeter Branch Library

MULTI-USE SPACE

TAKE & MAKE PROGRAM



Exeter Branch Library in Exeter, California



Downtown Exeter



# Robotics Prototype



## PROTOTYPE FRAMEWORK

Which elements do you hope the prototype will help you understand more clearly? Check all that apply and/or add your own in the list.

Date(s) and time of prototype Friday, July 13 11am-12pm

### Prototype description:

Children will have the opportunity to create LEGO WeDo Robotics.

### Reflection

#### What worked well?

Having three different activities worked out really well. The representative from Imagine U Museum led this program and brought all the materials. Not only did he bring LEGO robotics, but he brought regular LEGOs, 4 kits of LEGO robotics kits and Modular Robotics's cubelets. The idea of combining all the robotics didn't occur to me. I really thought that the cubelets were ideal, because they don't have all the small pieces that LEGO robotics kits. I could see cubelets circulating from branch to branch. They are not too expensive either.

#### What would you change if you could do it again?

If I could change something, I would change the space design. I brought in another table into the room thinking that we would have a big group of children, which we did, but the LEGO's were placed on the floor and we need more floor space than table space. It was really crowded in the room, but because the tables were not arranged in an ideal manner.

We also need a longer time frame for this activity. It was supposed to last until 12pm, because ran over until 12:20pm, which it would have gone longer, if I didn't stop it. Maybe 1 1/2 hours?

#### What did you notice/observe/hear from participants?

The children didn't need as much guidance as I initially thought. I had worked with another organization in the past that coordinated the LEGO robotics programs and it was very structured, but this organization wasn't guiding the children through the process of building the robotics, although, the unstructured environment worked well, except for the noise level, which we can quiet down periodically if, need be.

#### What do you want to test in your next prototype?

I would like to test out a different space design.

### TIMING

- ☒ Day of the week Friday
- ☒ Time of day 11am-12pm
- ☐ Program length

### VENUE

- ☒ On site in Multi Purpose Room
- ☐ Off site at

### TARGET AUDIENCE

- ☒ All Ages

### MARKETING

- ☒ Flyers in library
- ☒ Social media
- ☐ Newspaper

### STAFFING MODELS

- ☒ Volunteers
- ☒ Outside expert
- ☒ Staff

### DELIVERY METHOD

- ☐ Passive display
- ☐ Table at an event
- ☐ Stations of activities
- ☐ "Class" on a particular topic
- ☐ Virtual program
- ☒ Hands On Activity

### SPACE DESIGN

- ☒ Arrangement of furniture
- ☐ Mobile cart
- ☐ Accessibility

### TYPE OF ACTIVITY

- ☒ Building LEGO WeDo Robots

## Prototype Framework

- Plan your prototype - *What are you trying to test?*
- Record results - *How did it go? What would you like to do next?*

# Drone Program





# Internship Program





# Document what happened

- ✓ Take photos
- ✓ Record the number of participants
- ✓ Reflect immediately afterward
- ✓ Gather feedback from participants



## PARTICIPANT FEEDBACK FORM

Thank you for participating! Your feedback is valuable to us and will help shape future programs.  
What did you like about this experience?

What would make this experience better?

How did you hear about it?

- ☐ Social media ☐ Flyer at the library  
☐ Word of mouth ☐ Other:

How likely are you to attend another program like this offered by the library?

Not likely 1 2 3 4 5 6 7 Very likely

How likely are you to recommend this program to a friend?

Not likely 1 2 3 4 5 6 7 Very likely

Anything else you would like us to know?

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Anything else you would like us to know?

# What's Next?

**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](mailto:lisa@regalliumconsulting.com)

Pamela Van Halsema, MLIS  
P. Van Halsema Consulting  
[pamela@pvanhalsema.com](mailto:pamela@pvanhalsema.com)

[makersinthelibrary.org](http://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?



**SURVEY**

**[makersinthelibrary.org/COVIDsurvey](https://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](https://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



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