



Makerspacing Libraries

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Maker Faire[®]

A decorative header featuring a bright yellow sun with a blue circle in the center, partially obscured by stylized blue and white clouds. The background is a solid blue color with a subtle grid pattern.

What's a Maker Faire?

I DON'T ALWAYS DIY,



**BUT WHEN I DO, I LIKE TO SHARE
IT WITH THE WHOLE WORLD**

MemeCenter.com

A stylized illustration of a bright yellow sun with a small blue circle in the center, partially obscured by blue and white clouds. The background is a solid blue color with a subtle pattern of lighter blue squares.

**Do we need
a license for
this?**

LEGAL STUFF?

MY FAVORITE.



**Case Study:
Westport
Library,
Westport, CT**

**HELD MAKER FAIRE AT THE
LIBRARY**

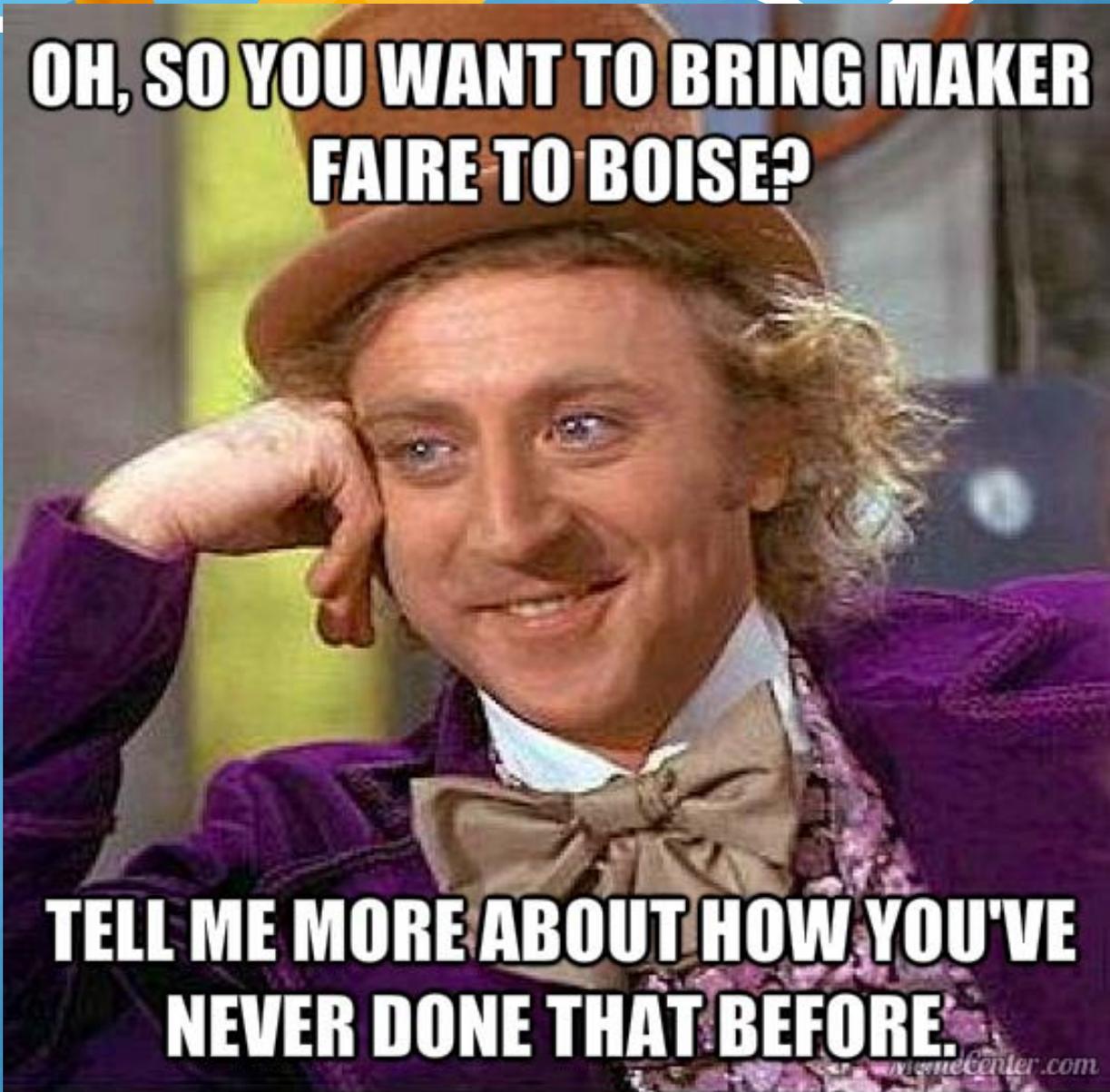


**GOT ON THE COVER OF
LIBRARY JOURNAL #SUCCESS**

MemeCenter.com

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Boise's First Mini Maker Faire

A close-up photograph of Gene Wilder as Charlie Bucket from the movie 'Chocolat'. He is wearing a brown top hat, a purple velvet jacket, and a brown bow tie. He has a smug, slightly mischievous expression, resting his head on his hand. The background is a blurred indoor setting.

**OH, SO YOU WANT TO BRING MAKER
FAIRE TO BOISE?**

**TELL ME MORE ABOUT HOW YOU'VE
NEVER DONE THAT BEFORE.**

A stylized illustration of a bright yellow sun with a blue circle in the center, partially obscured by blue and white clouds. The background is a solid blue color with a subtle pattern of lighter blue squares.

**Well, I hope you
learned
something**



**ALL LIBRARIES SHOULD HOST MAKER
FAIRES**

**FALSE. LIBRARIES SHOULD HOST MAKER FAIRES IF THEY
WANT TO CREATE COMMUNITY CONNECTIONS AND
SUPPORT THE MAKER MOVEMENT.**

memeCenter.com

Make It Idaho

- ▶ Make It Idaho is a pilot program sponsored by the Idaho Commission for Libraries to bring makerspaces to 5 public libraries in Idaho
- ▶ First year emphasis is to mix makerspace concepts and STEAM education to reach teens and tweens



Make It Idaho - Tools

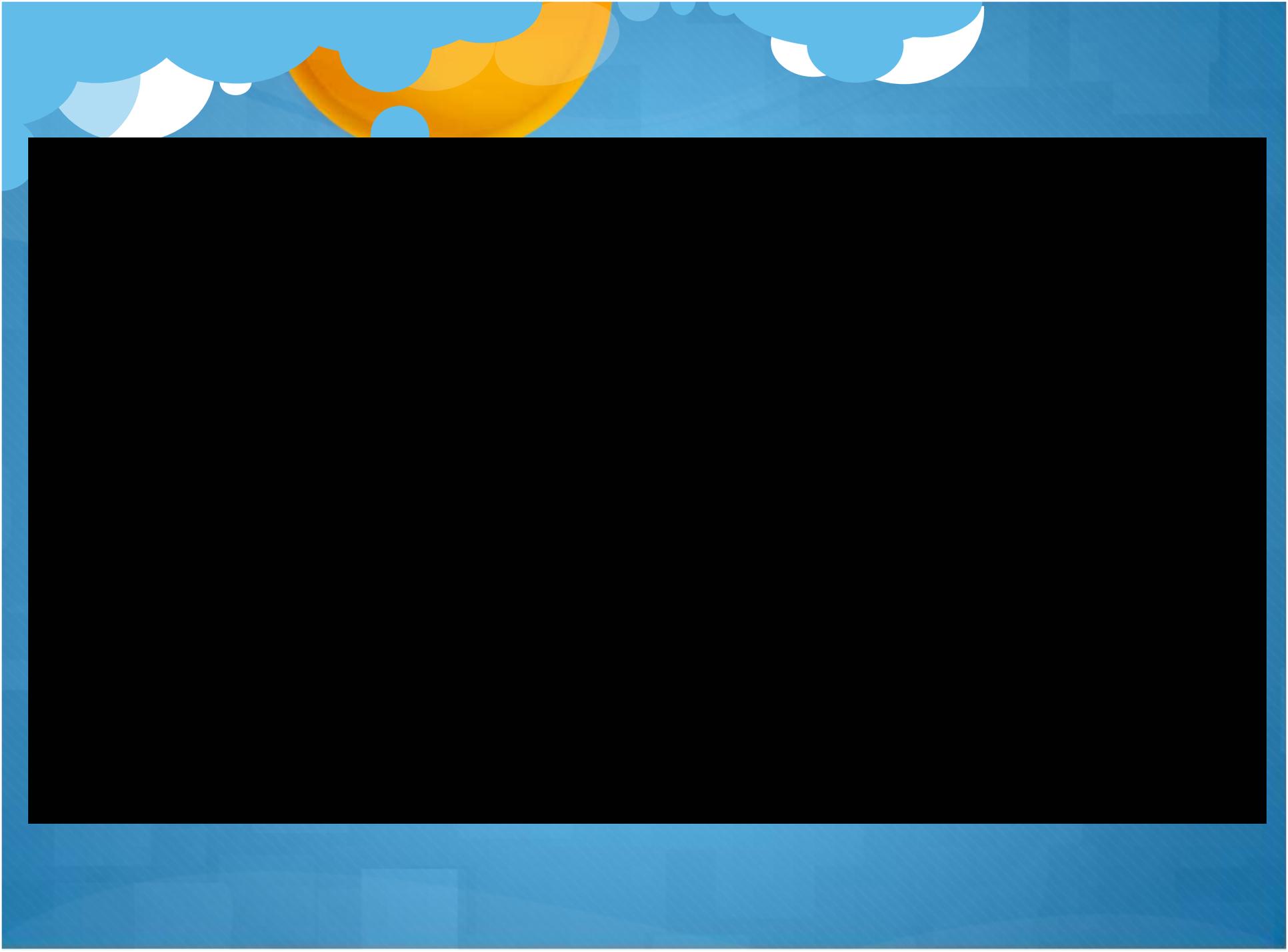
- ▶ Brick Lab
- ▶ Fishertechnik
- ▶ Arduino and soldering iron kits
- ▶ Google+ Maker Camp tool kits



Make It Idaho - Training

- ▶ 1. Learn to build and teach with the Brick Lab and Fishertechnik
- ▶ 2. Learn to build and teach with Fishertechnik robotics and robotic programming
- ▶ 3. Learn to use a 3D printer (Fall 2013)







Make It at Meridian Library

Teen Tech Week 2013

Brick Lab builds at Meridian Library Bookmobile and Silverstone Branch



Fishertechnik Building Class



Stealth Programming



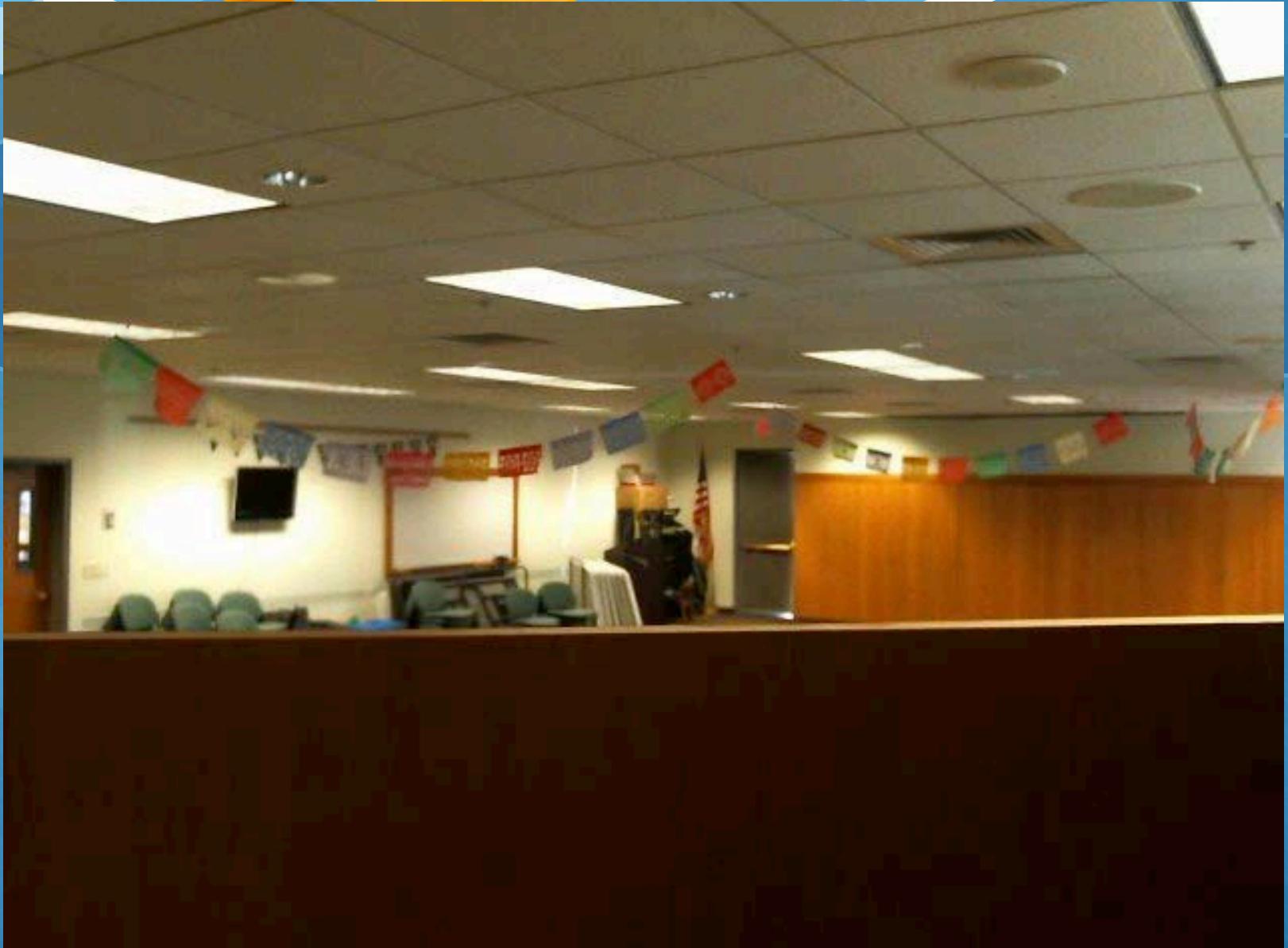
Make It at Meridian Library

Summer 2013

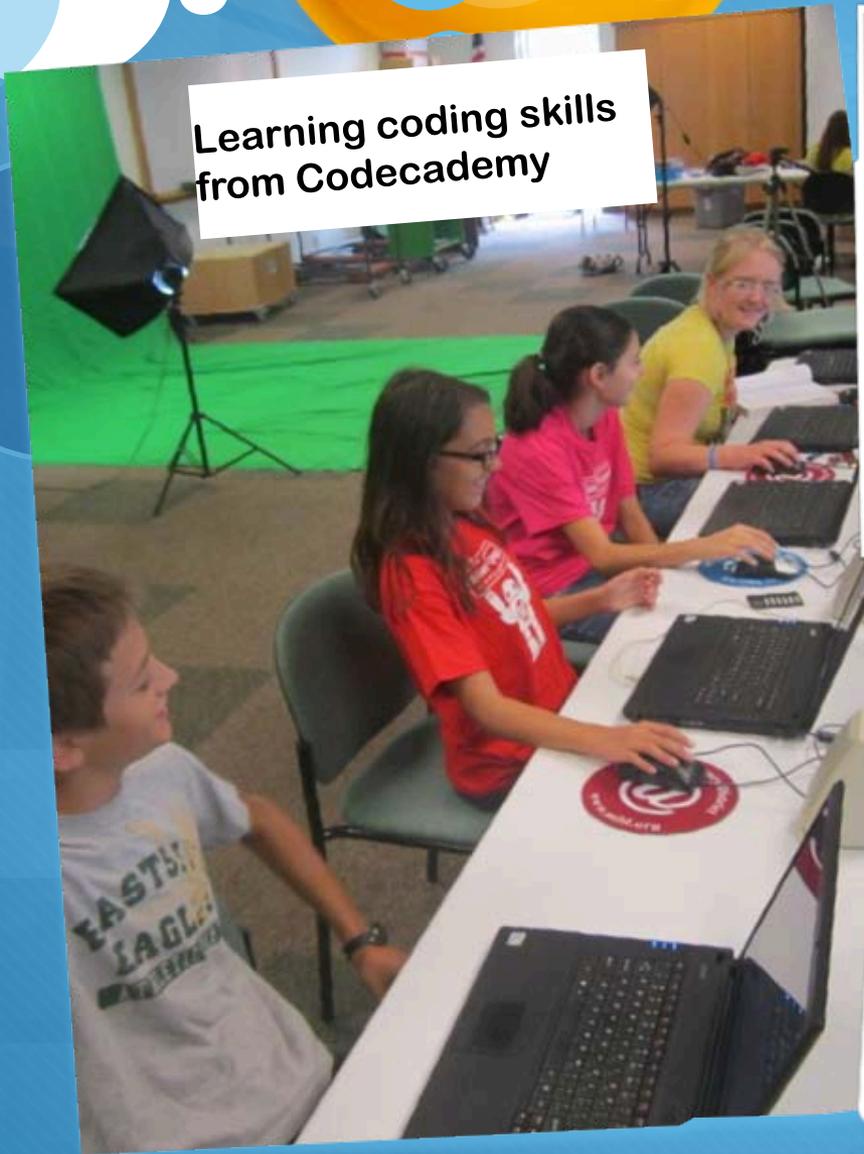


Make It - Summer 2013

- ▶ Teen programming started as a class teaching Fishertechnik on Wednesday mornings
- ▶ Second week turned into an open lab
- ▶ Started each Make It day with an ice breaker group build usually shaped as a quick competition
- ▶ No permanent space for Make It yet so we used our programming room



Learning coding skills from Codecademy



Brick Lab Group Build



Disassembling a projector



MLD Make It 2013-14

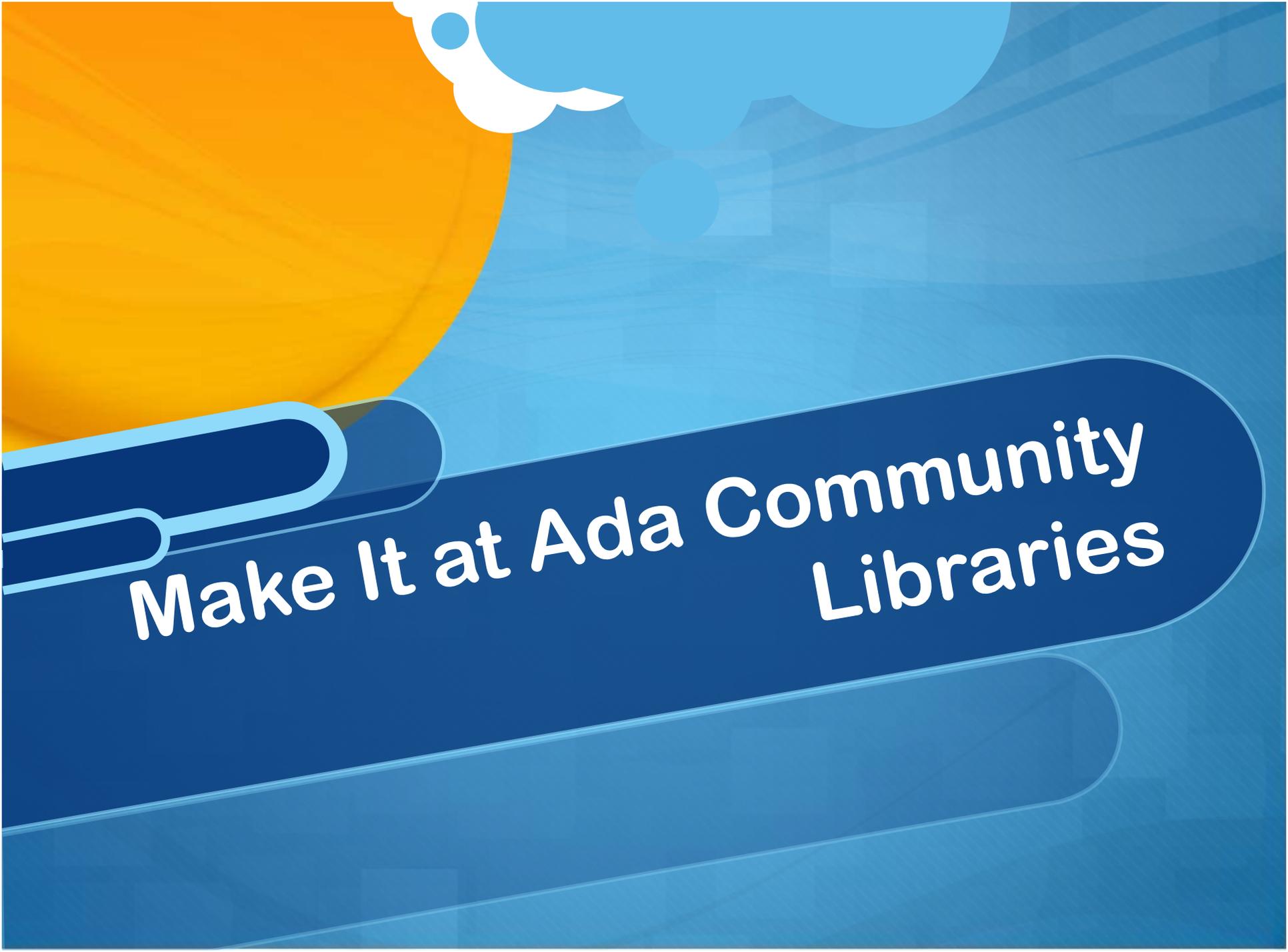
- ▶ Open Lab Make It every Thursday for teens
- ▶ Bringing in experts each month to share a new skill
- ▶ Bi-monthly Make It Saturdays
*Open for all ages and will be marketed to families
- ▶ Mobile Make It Kits to use during outreach





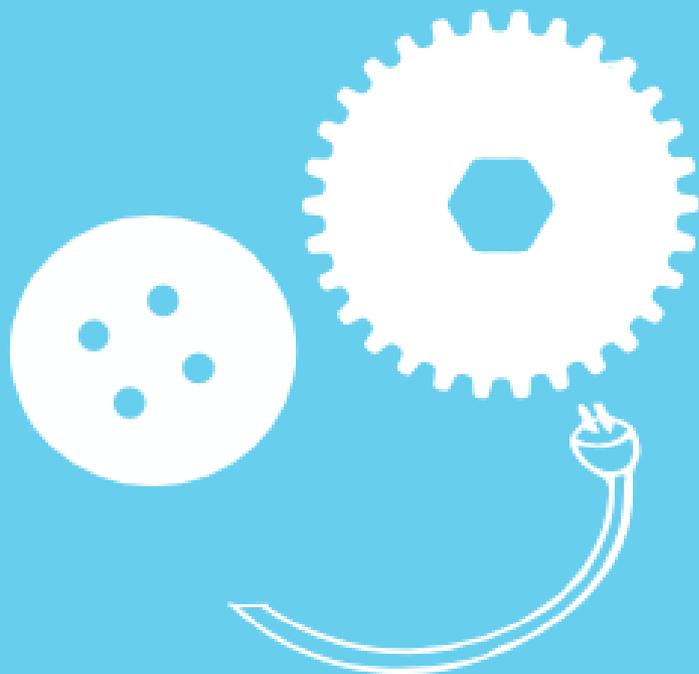
Inspired by:

- ▶ Open Lab Idaho
- ▶ PCS Learning Center
- ▶ Detroit Public Library - HYPE Makerspace
- ▶ Rural libraries in Idaho after SPLAT visits

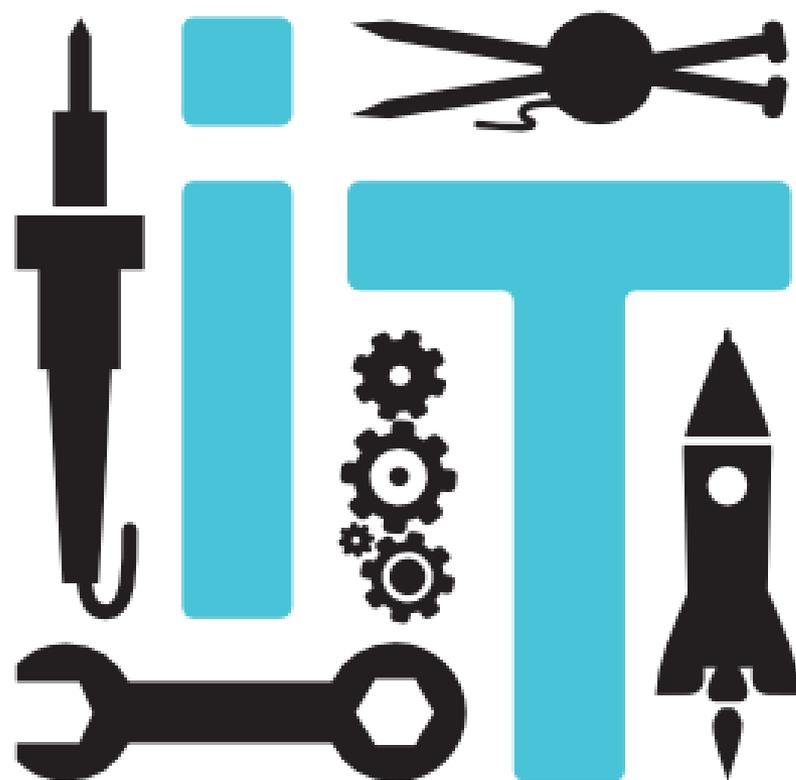


**Make It at Ada Community
Libraries**

Makeiteers Wanted!



MAKE



AT ADA COMMUNITY LIBRARY
VICTORY BRANCH

History of ACL Maker Programs

- Mr. Patrick's Workshop
- Friday Lego Programs
- Yarn Arts and Yarn Bombing
- Preschool Craft and After School Arts
- Science Programs

Lots of Maker programs though not classified as "Maker."





Make It Makes Us Rethink Our Space

- We already do Maker programs - not totally reinventing the wheel though looking at it differently
- Art Room: Why do we only make it available during programs?
- Recent STEM training falls in line with Maker movement
- Why are we keeping some of our amazing resources behind closed doors?
- We are still rethinking our space. Leading to large-scale and long overdue weeding and shifting of collection.
- Gives incentive to go ahead with some ideas staff had been mulling but hadn't found the motivation to make happen - Minecraft, STEM Play & Learn, others

Art Room Transformation To...



The Make It Space!



The Make It Space!



Make It Victory Branch Programs



**Popsicle Stick
Catapults**



Lego Challenges



Minecraft



Squishy Circuits



**Zhu Zhu Pets Battle
Bots**



Outreach

Make It Star Branch



Make It Lake Hazel Branch



In the Works *Make It* Programs

- **Weekly Homeschool Program (Fall 2013)**
- **3-D Printing (Fall 2013)**
- **Robotics & Engineering Clubs**
- **Intro Video Gaming Coding Classes**
- **Patio Community Garden**
- **How It Works (Deconstruction) Program**
- **Monthly Adult Make IT Program**
- **Video & Podcast Production**
- **Tool Drive**



Also using resources like VolunteerMatch.org, Facebook, and good old talking to people in the library to find professional “Makeiteers” to provide additional programming and classes.



Early Benefits

- **Rethinking our entire space and examining where we are going**
- **Initiated literal Spring Cleaning (and long-overdue weeding)**
- **Making already existing resources more available to public**
- **Stealth programs give people incentive to come during non-staffed program times**
- **Sneaky learning**
- **Incentivises staff and public to play and learn together**
- **All-Ages love to make!**

Make It Happen!

