Building Idaho Makers
A Statewide Approach

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libraries.idaho.gov/make-it-at-the-library
Our Why

The Golden Circle

What
Every organization on the planet knows WHAT they do. These are products they sell or the services they offer.

How
Some organizations know HOW they do it. These are the things that make them special or set them apart from their competition.

Why
Very few organizations know WHY they do what they do. WHY is not about making money. That’s a result. It’s a purpose, cause or belief. It’s the very reason your organization exists.

Percentage of students at or above the Proficient level in 2013

OVERALL

SELECTED STUDENT GROUPS

Mathematics

<table>
<thead>
<tr>
<th>Race/ethnicity</th>
<th>Percent</th>
</tr>
</thead>
<tbody>
<tr>
<td>Asian/Pacific Islander</td>
<td>47</td>
</tr>
<tr>
<td>White</td>
<td>33</td>
</tr>
<tr>
<td>Two or more races</td>
<td>26</td>
</tr>
<tr>
<td>American Indian/Alaska Native</td>
<td>12</td>
</tr>
<tr>
<td>Hispanic</td>
<td>12</td>
</tr>
<tr>
<td>Black</td>
<td>7</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Highest level of parental education</th>
<th>Percent</th>
</tr>
</thead>
<tbody>
<tr>
<td>Graduated from college</td>
<td>38</td>
</tr>
<tr>
<td>Graduated from high school</td>
<td>12</td>
</tr>
</tbody>
</table>
A Dual Approach

A Statewide Approach Builds:
- A network of mentors to support growth & expansion
- A cohesive understanding of maker philosophy & culture
- Partnerships for leveraging buying power & support
- Recognizable and consistent branding

Local Level Approach:
- Encourages independence in meeting their community’s needs
- Provides real-world feedback to guide overall project
- Shares best practices with a wider audience
Idaho Making...
Start with Teens
Training is KEY!

- Foundational work
- Hands-on with real tools
- Responsive to needs
- Relevant to outcomes
And Builds Support
Formal Programs

Bridge Challenge
Structural Engineering & Critical Thinking

Life-Size Angry Birds
Fosters Creativity!

LEGO® Pinball
Machines Use Levers

Zhu-Zhu Pet Battles
Involved Problem Solving

Fischertechnik® Carnival Ride
Explores Force & Gravity
Not Just Technology!

Meet the Sheep!

All about shearing

Washing wool

Final product!
Re-Cycle and Re-Use!

Boat Race Challenge

Problem-Solving, Innovation, & Creativity
Respond to Community Needs

Star Wars Cardboard Challenge for the Whole Family!

Young Makers in N. Idaho

Maker Kits for Check-Out
Stealth Programming

Write your name in Braille using bricks...

Build a hedgehog!

Challenge: Build model, snap a picture, post information, be entered to win!
Stealthier...
Makers Not Spaces...

Any place can be a maker space!

Develop makers...the space will come!
Temporary Makerspaces

https://www.youtube.com/watch?v=3iZP7Eujgjk
Evaluation – A work in progress

- Pre & post survey for teen participants
  - Skill acquisition, attitudinal and behavioral changes
- Reports from libraries
  - Program details, attendance, partnerships, marketing, attitudinal changes, space planning, next steps

Innovation

Engagement

Intentionality
High Points

• Staff gained confidence & expertise
• Encouraged new thinking about:
  ✓ Space
  ✓ Collections
  ✓ Programming

• Expanding beyond the library
• Developing our “brand”
• Embracing innovation
• Building strong partnerships

Impact in 2013 Year One...
4,650 teens engaged through outreach
3,585 attended library programs
18 partnerships through 66 events
Year Two Plan

Replicate Year One Format
- Same Tools
- Same Training
- Same Expectations

Returning libraries:
- Get additional staff trained
- Act as mentors for new libraries
- Have freedom to choose new tools and materials
FOR IMMEDIATE RELEASE
IMLS Hosts Library Stakeholder Meeting May 15 at San Francisco Public Library

Experts to discuss how library spaces are changing to adapt to new learning models

IMLS will release a revised National Leadership Grant application this summer that will reflect the priorities identified during these meetings.
Spreading the Word

- Facebook: www.facebook.com/MakeItIdaho
- Website: libraries.idaho.gov/make-it-idaho

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