STEM-rich Making in the Library

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How would you describe your library?

a) Rural
b) Urban
c) Suburban
How comfortable do you feel with leading STEM activities?

A) Very comfortable
B) Somewhat comfortable
C) Uncomfortable
D) Very uncomfortable
Maker Movement
Your Library and a Makerspace:
A) We have one
B) We’ve thought about making one
C) We’ve not considered it
Makerspace vs. Maker Programs
Making vs. STEM-rich Making
What is STEM-rich Making?
Digital Tools

- Computers
- iPads
- Osmo
- Makey Makey
Computational Practices

- Debugging
- Coding
- Remixing
Phenomena

- Which car goes fastest on the track?
- How does an ecosystem work?
Types of Making
Assembly (kits)

- K’Nex or Lego kits
- Snap Circuits
Creative Construction

- Paper circuits
- Squishy circuits
- Designing & building with cardboard

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Tinkering

- Makey Makey
- Building, taking apart & putting back together a computer
Making in Small Town Libraries
A Resource Site for Public and School Libraries

Library Resources

As we implement and develop STEM (science, technology, engineering and mathematics) maker-oriented programs in public and school libraries, we populate this page with links to free librarian guides, DIY guides tips & tricks for librarians and other resources. Below are links to the resources we have so far.

- BluTrack
- E-Textiles
- K'Nex
- Makey Makey
- Paper Circuits
- Squishy Circuits
- Osmo
- Scratch
How do I Implement a Program?

Leave it on the Table:

LEARN
- Do DIY page

MAKE
- Make paper circuits

SHARE
- Display in the library

Librarian - Run Activity:

LEARN
- Give instructions

MAKE
- Make paper circuits

SHARE
- Youth share their work
Teen Advisory Boards
Poll

Does your library have a Teen Advisory Board?

a) Yes
b) No
What does STEM-rich making in the library look like?
Programs in Real Life
E-textile Masks
Makey Makey
Squishy Circuits
K’Nex Roller Coasters
Marvel Night: Paper Circuits
Q&A session