TINKER : Made in Chicago
TECHNOLOGY NETWORKING GROUP
FOR LIBRARY STAFF WHO WORK WITH CHILDREN AND TEENS
Tinker Meeting Topics

- Raspberry Pi
- Minecraft
- 3D Printing
- Robotics
- MaKey MaKeys
- Soldering
- Arduino
- Artbots
- Squishy Circuits
- More!

Librarians and Library staff from over 16 area libraries have presented - share knowledge and ideas
● 40-60 attendees per meeting
● Members from 65 libraries
● 71% of members used an idea or bought equipment mentioned at a meeting
Hands on activities at every meeting!
Paper Roller Coasters and Marble Runs
Roller Coaster Marble Runs

Budget: $  Difficulty: 🧑‍💻  Audience: K-2, 3-3, 5-8, YA
Supplies

Pipe insulation (Home Depot)
STEAM Connections

Kinetic Energy & Potential Energy
Day of the program...
Paper Roller Coasters

Budget: $  Difficulty: 📨  Audience:
Paper Roller Coasters

Tips and lessons learned
K’Nex Roller Coasters

Budget: $\$\$\$\$
Difficulty: \computer
Audience: \people
Scratch

Budget: $  Difficulty: 🐭老鼠 Audience: 👩‍👦‍👦 👩‍👦‍👦
What is Scratch?

- Digital media design program
- Created by MIT’s Lifelong Kindergarten group
- Released in 2009, updated in 2013
- scratch.mit.edu
Scratch Jr

Budget: $  Difficulty: 🍀  Audience: K-2, 3-5, 6-8, YA
What Is Scratch Jr?

- Introductory programming language
- Developmentally appropriate for ages 5-7
- Inspired by Scratch
- scratchjr.org
Save the current project and exit to the list of projects.
Light Up Art

Budget: $  
Difficulty: 🐱  
Audience: 🖼️
Supplies:
Arduino

Budget: $$  Difficulty: 🐭ريط  Audience:
• Use a microcontroller to sense and control the physical world.
• Open-source electronics platform based on easy-to-use hardware and software.
Turn out the lights and capture the designs made by light trails in the dark. Use a camera set to long exposure or an iPad loaded with LongExpo.
TINKER: Starting Your Own Group

- Facilitators
- Meeting topics
- Hosting
- Blog
- Social Media
- Surveys
Contact

E-MAIL: TINKERFOLKS@GMAIL.COM
BLOG: TINKERGROUP.WORDPRESS.COM
TWITTER: @TINKERFOLKS
FACEBOOK: FACEBOOK.COM/TINKER.FOLKS
KATIE LAMANTIA: KLAMANTIA@STDL.ORG
RENEE NEUMEIER: RNEUMEIER@CITYOFEVANSTON.ORG
JANET PIEHL: JPIEHL@WILMETTELIBRARY.INFO
ALISON TSENG: ATSENG@AAPLD.ORG