Welcome to the YALSA webinar! It will begin promptly at 2pm, eastern. You will not hear audio until then.

CATAPULT YOUR TEENS...

...into a Summer of Learning!
Your Fab Facilitators

**Erica Compton**

Project Coordinator, Idaho Commission for Libraries

Erica co-developed Idaho’s *Make It at the Library* project, supporting the implementation of makerspaces in eleven public libraries across the state in year two of the project. She also chairs YALSA’s Makerspace Resources Task Force which developed the *Making in the Library* toolkit.

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**Robin Willard**

Young Adult Specialist, Chicago Public Library

Robin works in Teen Services, a newly-formed Department at CPL directed by Jeremy Dunn, and designed to foster a more focused lens for providing welcoming spaces and staff to support programs, services, and collections for better serving the unique cultural, informational, educational, and recreational needs of Chicago’s urban teens ages 13-18 (across the city in 80 libraries).

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What We’ll Cover Today

Concrete Ideas for Expanding Traditional Summer Reading Programming to Catapult Teens into a Summer of Learning:

- The Maker Movement and Making
- Inexpensive and Active Learning Activities for Teens
- Chicago Public Library’s Summer Program Redesign and Lessons Learned Related to Teen-Specific Components
- Activating Teen Spaces
- Fostering Teen-Directed and –Driven Participation
Why Is It Important?

The Future of Library Services for and With Teens: A Call to Action
YALSA report highlighting the need for an expanded set of skills beyond traditional academic skills, including innovation, critical thinking, collaboration, information media and technology skills.

National Summer of Learning Findings
Research indicating youth are losing knowledge and learning skills over the summer

President Obama’s STEM Initiatives and 21st Century Skills Initiatives:
National initiatives to better prepare teens for college and career success in the global marketplace
SUMMER PROGRAM PLANS:

How many of your SR programs incorporate more than reading?
Poll

MAKER MOVEMENT:

How familiar are you with the Maker Movement, makerspaces, and making?
Making...

... means learning through trial & error, practical application, & hands-on experience in a social environment

... gives access to communities to grow & create something better

... stresses unique applications of technologies

... encourages innovation, invention, & prototyping
Squishy Circuits
Cost: $25 kit
Audience: All
Time: 30 min
Outcomes: Students will learn very basic electronic skills including the difference between a conductor and an insulator.

Cup Catapult
Cost: $.01/person
Audience: All
Time: 30 minutes
Outcomes: Teens will learn basic properties of physics, including the simple mechanics behind the catapult and force.

Fiber Optic Bracelet
Cost: $5/person
Audience: All
Time: 60 min
Outcomes: Students will learn the basics of e-textiles and fiber optics.
Reduce, Recycle, Reuse!

The Tinkering Lab at the Exploratorium

Fused plastics
More Ideas

cardboardchallenge.com

Express ideas through construction
Idaho Makers in Action

- iPod speakers
- Car races
- Stealth program Challenge
- Materials for deconstruction
- Catapults
More making and having fun

3d scanning - hacked

Zhu-zhu pet battles

Learning about electricity
HELP Is Out There!

Maker Shed

Make it @ your library

Instructables

DIY Project Supplies

LEDs, Lasers, Servo & Motors

Fans & Cooling, Cables/Adapters, +Tons More!

Console Gear, Bluetooth, USB and SD

hacknmod.com

bareconductive.com
Making in the Library Toolkit

- History of Making
- Tools and Materials
- Sample Maker Programs
- Stealth Programming
- Resources & More...
Re-Designing Summer Reading

Liz McChesney,
Chicago Public Library
Director of Children
& Young Adult Services
Mover & Shaker 2014
2014 Teen Summer Challenge Components

- Open-Ended Summer Journal
- Less Scripting & More Self-Directed
- Teen Summer Site
- Space Activation
- Incentives Just for Teens
GO WILD (and Achieve)!

In this log you’ll find out about things you can Read, Discover and Create to get you thinking about the lives of animals. Every step of the way, you will receive mini-buttons, badges and an opportunity to win a free book.

By doing all of the above, you will automatically ACHIEVE, meaning you will receive your last mini-button, a set of ear buds, AND get entered in a raffle to win an e-reader with HD capabilities.

Use the space below to make some plans or for doodling...

IDEAS TO TREASURE

I READ...

I NOTICED...

I DISCOVERED...
600 minutes
- books
- blogs
- magazines

6 places or activities
- library programs & exhibits
- trips to cultural institutions
- Experiments
- music or video

6 pieces
- showcase your newly discovered knowledge
Why News Matters

- Thematically-connected challenges related to animals in the news
- Helping teens build skills in distinguishing “news” from “noise”
- Example: Primates as Pets
  - Create: Make a news report about your research and opinion about owning wild animals as pets

Made possible by the McCormick Tribune Foundation through the Chicago Public Library Foundation
Fostering Teen-Directed and -Driven Spaces

- Valuing/Showcasing Teens
- Informal and Formal Polling
- Digital Creation
- Program Options and Choices
- Flexible “Curriculum” & Outcomes
ABILITY TO IMPLEMENT:

Share your thoughts on your ability to add learning activities such as those discussed today into your summer reading program.
Ideas, Comments, Questions

- What would you like to know in more detail?
- What ideas or skills did you learn today that you’ll use in your school or library?
- Any questions?

Thank you for participating!
Further Resources

ALA and YALSA resources:
Making in the Library Toolkit:
www.ala.org/yalsa/sites/ala.org.yalsa/files/content/MakingintheLibraryToolkit2014.pdf
Make it @ your library: makeitatyourlibrary.org/
Maker & DIY Wiki:
wikis.ala.org/yalsa/index.php/Maker_%26_DIY_Programs
YALSA's Call to Action:
www.ala.org/yaforum/sites/ala.org.yaforum/files/content/YALSA_nationalforum_Final_web.pdf

Make it at the Library project:
libraries.idaho.gov/make-it-idaho
www.facebook.com/MakeItIdaho

Even More Maker Project Resources:
Makezine.com
Instructables.com
Hackaday.com
Inventables.com
mozillalabs.com/en-US/mozilla-hackasaurus/
makerspace.com/

More About Liz McChesney, CPL’s Director of Systemwide Children's Services, 2014 Mover & Shaker:

Summer Slide: www.youtube.com/watch?v=Ahhj3wxxkdM

Human-Centered Design: Change By Design: How Design Thinking Transforms Organizations and Inspires Innovation

Hoffman Estates Hawklet's Chocolates Rube Goldberg Project:
www.youtube.com/watch?v=xhl_KDA3UVU&index=7&list=PLf7fxrIXI5yuq4lPYku6JqamdygoKpYV9

More About Rube Goldberg Contests:
www.rubegoldberg.com/Contest?page=contest_history

Anti-Cruelty Society Volunteer Projects:
www.anticruelty.org/diypettoys/

CCOL Badging Project: chicagocityoflearning.org/

Northwestern University Science in Society:
scienceinsociety.northwestern.edu/initiatives/scientific-images-contest

President Obama’s STEM Initiatives:
www.whitehouse.gov/issues/education/k-12