

Ideas INSPIRATION

from Demco

Webinar

Makerspace Projects for School, Public and Academic Libraries

September 15, 2016

Start time:

2:00 p.m. ET

1:00 p.m. CT

12:00 p.m. MT

11:00 a.m. PT

End time:

3:00 p.m. ET

2:00 p.m. CT

1:00 p.m. MT

12:00 p.m. PT



Presenters



Colleen Graves

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Aaron Graves

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WELCOME TO

MAKER ED

Colleen and Aaron Graves

WHAT IS THE MAKER MOVEMENT?

Making can help you reach many different types of people.

- Making is about self-empowerment
- Making is about gaining creative confidence
- Making can increase our knowledge of the way the world works (invention literacy)



@gravescolleen

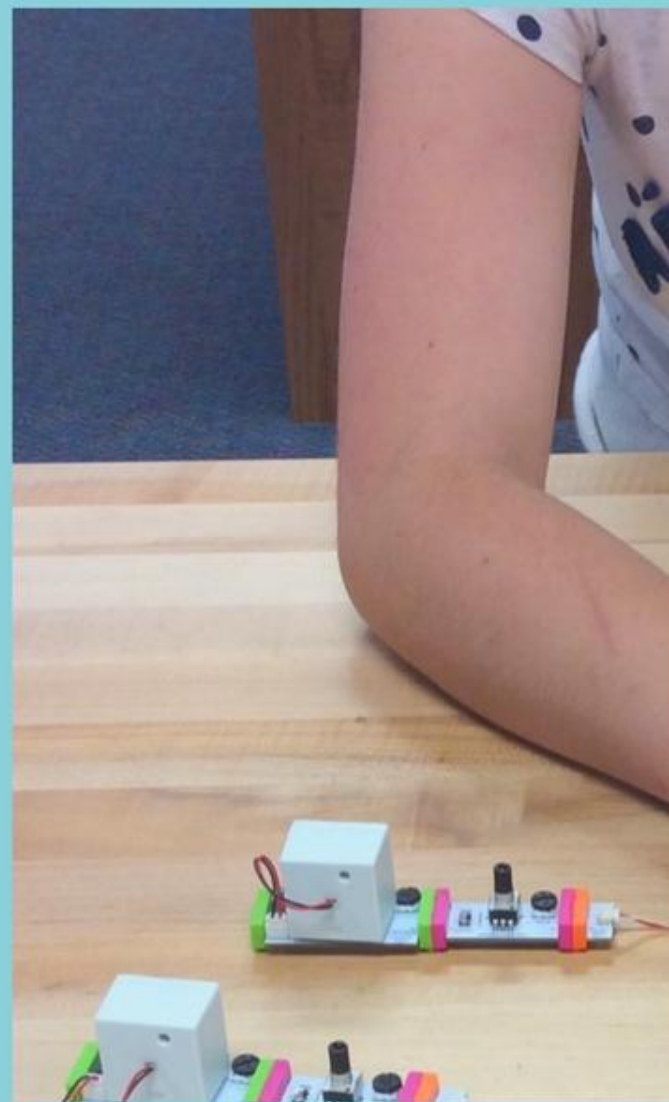
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WHY IN THE LIBRARY?

INQUIRY BASED
CREATIVE ENVIRONMENT

*Equitable
Access*

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LIBRARIES HAVE
ALWAYS BEEN A PLACE
TO CONSUME BOOKS
AND CREATE
KNOWLEDGE.

Which is why a
makerspace is a logical
extension of this
inquiry-based space.



@GRAVESCOLLEEN

@GRAVESDOTAARON

WE HOUSE OUR MAKER
MATERIALS IN THE
LIBRARY BECAUSE IT IS

THE ONE PLACE STUDENTS
CAN ACCESS AT ANY POINT
IN THE SCHOOL DAY.



"READING, RESEARCH,
AND THINKING GO HAND
IN HAND WITH MAKING."

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BUT HOW DO I

START?

**AT MY SCHOOL? AT A PUBLIC LIBRARY?
IN AN ACADEMIC SETTING?**

“

COMMUNICATE, COLLABORATE, AND COOPERATE

to build

Universal Access

SHERRY LASSITER - DIRECTOR OF
FAB FOUNDATION

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WORKSHOPS

- Guided Learning
- Introducing New Skill Sets
- Exploring Materials

VS. FREE RANGE

*"Build a culture of creativity
at your library first and
foremost."*

@gravescolleen

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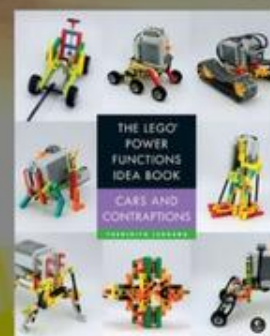
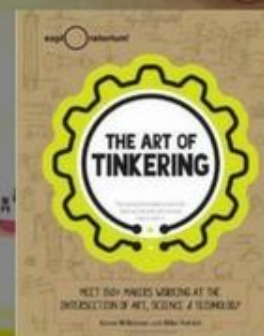
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DEVELOPING PROJECT IDEAS

"Knowing your population is KEY!"



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@gravesdotaaron



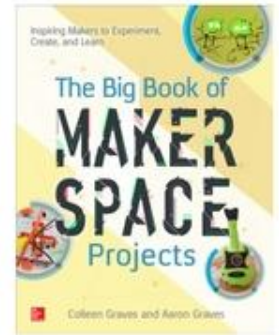
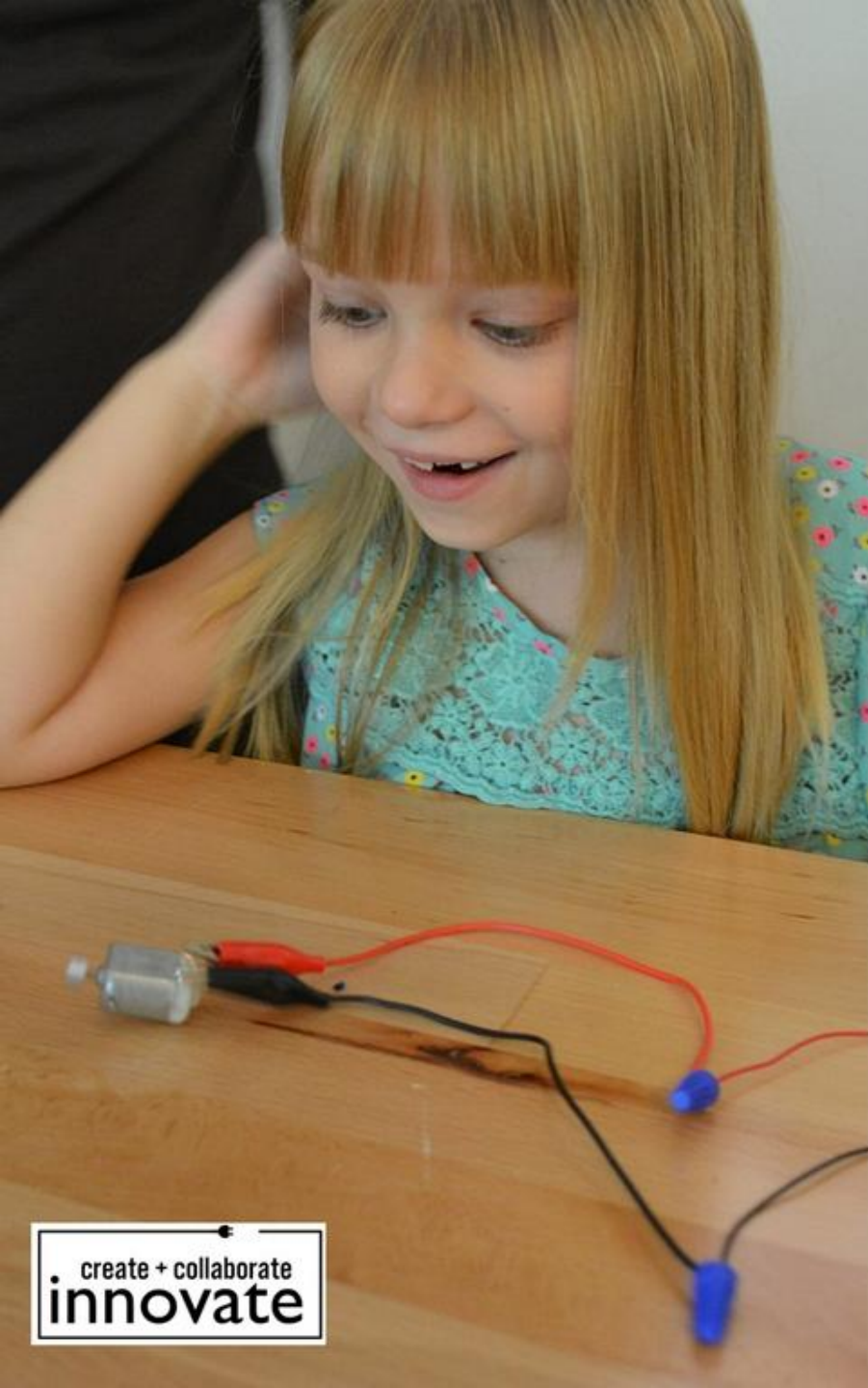
LOW COST

Projects from The Big Book of Makerspace Projects

- Coding in Scratch/Arduino
- Making with Recyclables
- Paper Circuits and Origami
- Smartphone Projects

@gravescolleen
@gravesdotaaron





SIMPLE ROBOTS

HACK A TOOTHBRUSH

Make a Robot!

This activity is fun for all ages! And it's reusable! Make brushbots and scribble bots, then experiment with other materials to make endless iterations of this vibrobot!

UPCYCLING

Inspiring Makers to Experiment,
Create, and Learn

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Create a guitar with recyclables
Create video holograms out of containers
Create a Midi Paper Circuit with paper
and Makey Makey

- Poll your patrons. See what they are interested in. They may enjoy looking at everyday materials in new ways.
- Once your makers start seeing everyday materials in new ways, start hacking your recyclables with Makey Makey



The Big Book of MAKER SPACE Projects

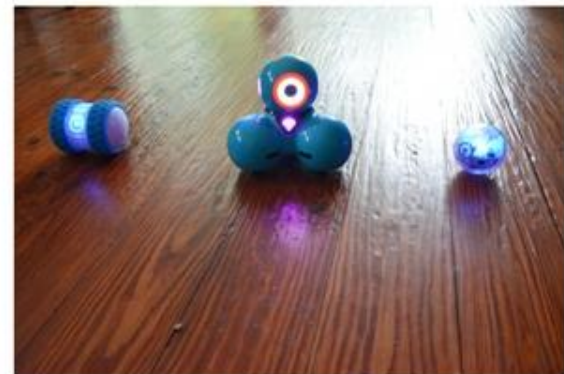
Colleen Graves and Aaron Graves



MAKERSPACE MASHUP

MASHUP MATERIALS FOR MAXIMUM FUN

*Combine coding with robots,
recyclables, and littleBits*



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Upcoming

Thank You for Attending!



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Selecting the Right Products for Your Makerspace

October 27, 2016

2:00 p.m. ET / 1:00 p.m. CT

Presented by: Laura Fleming, Library Media Specialist