

May

7

Make It at the Library 2014

2015

Training Purpose:

Provide participants with the knowledge, resources, & skills to implement & evaluate formal & informal teen maker programming.

Desired Outcomes:

By the end of the training, participants will:

1. Increase understanding of project goals & the relevance of making in the library.
2. Expand on Arduino skills to program & operate robots.
3. Develop skills to implement formal & informal teen programs using robotics materials.
4. Identify outcomes and evaluation indicators for use in making in the library.

Facilitators:

Erica Compton

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Sue Walker

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Nick Raymond—Maker Media

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Adam Day—Twin Falls Public Library

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Agenda

8:30 a.m. Full Breakfast, sign in, and networking

8:55 a.m.	Welcome & Housekeeping Agenda Review	Discussion
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9:00 a.m.	Introduction to the ServoBot Overview of Agenda	Discussion
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9:30 a.m.	Robotics discussion Types, Functionality, Design Considerations	Discussion
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10:00 a.m.	Assemble Your ServoBot!	Activity
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11:00 p.m.	Review the Basics of Arduino	Activity
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12:00 p.m.	Lunch	
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12:35 p.m.	Making in the library—how is it going? Facebook discussion	Discussion
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1:00 p.m.	Step-by-step for Writing Robot Code	Activity
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3:00 p.m.	Break and Snacks	
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3:20 p.m.	Robot Frenzy! Test your Robots	Activity
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4:30 p.m.	Questions Closing Remarks	Discussion
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5:00 p.m.	End of Day	
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This project is funded through the Library Services & Technology Act, administered by the Institute of Museum and Library Services.

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2014 Cohort Libraries:

Aberdeen District Library

◆ Stephanie Adamson

Buhl Public Library

◆ Amanda Hatfield

East Bonner County District Library

◆ Morgan Gariepy

Jerome Public Library

◆ Linda Mecham

Portneuf District Library

◆ Amanda Bowden

Twin Falls Public Library

◆ Amy Mortensen

2015 Cohort Libraries:

Bear Lake District Library

◆ Brandee Wells

◆ Mary Nate

Burley Public Library

◆ Julie Woodford

◆ Linda Barney

Caldwell Public Library

◆ Fiona May

◆ Abraham Valadez

DeMary Memorial Library

◆ Ayessiah Rubio

◆ Shambry Emero

Marshall Public Library

◆ Jamie Bair

◆ Kath Ann Hendricks

North Bingham District Library

◆ Jacqueline Wittwer

◆ Kaylene Christiansen

Payette Public Library

◆ Deleice Ward

◆ Erin Haley

Shoshone Public Library

◆ Clay Ritter

◆ Sarah Stowell

Centennial High School Library

◆ Gena Marker

◆ Linda Groves

Heritage Middle School Library

◆ Amy Armstrong

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Adam Day—Twin Falls Public Library

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Agenda

8:00 a.m. Full Breakfast and Networking

8:30 a.m. Write Code to Navigate the Maze! Activity

9:00 a.m. Robot Logic & Programming Discussion

10:00 a.m. Robot Code—Maze Runner! Activity

12:00 p.m. Lunch

12:35 p.m. Evaluation Techniques Discussion

1:00 p.m. What is Working and What's Not! Discussion

1:30 p.m. Testing and Modifying the Code Activity

2:30 p.m. Maze Competition—Who is Fastest?? Activity

3:30 p.m. Implementing Robotics in the Library—practical ideas for programming Discussion

Evaluations

4:30 Next Steps Discussion

Plus/Delta

4:45 Load Cars



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