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.

Agenda

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

Facilitators:
Erica Compton
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Nick Raymond—Maker Media
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This project is funded through the Library Services & Technology Act, administered by the Institute of Museum and Library Services.
# Make It at the Library 2014

## 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
  - Morgan Gariepy
- 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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## Facilitators:
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## Agenda

<table>
<thead>
<tr>
<th>Time</th>
<th>Activity</th>
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<tbody>
<tr>
<td>8:00 a.m.</td>
<td>Full Breakfast and Networking</td>
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<tr>
<td>8:30 a.m.</td>
<td>Write Code to Navigate the Maze! Activity</td>
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<td>9:00 a.m.</td>
<td>Robot Logic &amp; Programming Discussion</td>
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<td>10:00 a.m.</td>
<td>Robot Code—Maze Runner! Activity</td>
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<tr>
<td>12:00 p.m.</td>
<td>Lunch</td>
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<tr>
<td>12:35 p.m.</td>
<td>Evaluation Techniques Discussion</td>
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<td>1:00 p.m.</td>
<td>What is Working and What’s Not! Discussion</td>
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<td>1:30 p.m.</td>
<td>Testing and Modifying the Code Activity</td>
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<tr>
<td>2:30 p.m.</td>
<td>Maze Competition—Who is Fastest?? Activity</td>
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<td>3:30 p.m.</td>
<td>Implementing Robotics in the Library—practical ideas for programming Discussion</td>
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<tr>
<td>4:30</td>
<td>Evaluations</td>
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<tr>
<td>4:45</td>
<td>Load Cars</td>
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</tbody>
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