Hour of Code: Coding @Your Library

Daniel Cornwall, Alaska State Library

Claudia Haines, Homer Public Library

November 6, 2015
Agenda

• Hour of Code Overview – Daniel
• Hour of Code at Homer Public Library – Claudia
• Tools for Hour of Code – Claudia
• Q&A – Claudia and Daniel
Hour of Code: What is It?

- An educational event in December focusing on computer programming for ages 4-104.
  - Why December? Admiral Grace Hopper
- A set of tutorials at [http://code.org/learn](http://code.org/learn)
- Something that can be done any time
- Maybe a bridge builder to teachers, students and community
**Code with Anna and Elsa**

**Code.org**

Let's use code to join Anna and Elsa as they explore the magic and beauty of ice. You will create snowflakes and patterns as you ice-skate and make a winter wonderland that you can then share with your friends!

Ages 8+ | Modern browsers + tablets

5,589,833 participants

[http://hourofcode.com/frzn](http://hourofcode.com/frzn)

Teachers: Read important educator notes here

**Tutorials for Beginners**

**Write your first computer program**

**Code.org**

Learn the basic concepts of Computer Science with drag and drop programming. This is a game-like, self-directed tutorial starring video lectures by Bill Gates, Mark Zuckerberg, Angry Birds and Plants vs. Zombies. Learn repeat-loops, conditionals, and basic algorithms. Available in 34 languages.

Ages 4-104 | Modern browsers, smartphones, tablets

26,390,847 participants

Teacher's Notes

Tutorials that teach JavaScript

An introduction to JavaScript
KhanAcademy
Learn the basics of JavaScript programming while creating fun drawings with your code. Do it on your own or with your class!
Middle school + | Modern web browsers
3,109,653 participants
Teacher's Notes
http://hourofcode.com/kh

Go

No device or internet? Try 'unplugged' computer science

My Robotic Friends
Thinkersmith
Using a pre-defined "Robot Vocabulary" students will figure out how to guide each other to accomplish specific tasks without discussing them first. This lesson teaches children the connection between symbols and actions, as well as the invaluable skill of debugging. "My Robotic Friends" works best as a group activity and includes a teacher workbook for classroom use.
All ages | Unplugged
275,799 participants
http://hourofcode.com/ts

Go
Tutorials for Beginners

Code Studio

Loved the Hour of Code but want more? Learn basic computer science with our suite of classroom-ready courses for different ages (even kindergarten). Lessons blend game-like tutorials with unplugged classroom activities, and short video lectures with Bill Gates, Mark Zuckerberg, Angry Birds and more. Learn repeat-loops, conditionals, algorithms, functions, and variables.

All ages | Modern browsers, tablets

Teacher's Notes

Tutorials that teach JavaScript

Learn computer programming

Khan Academy

Learn the basics of JavaScript programming while creating fun drawings with your code. Do it on your own or with your class!

Middle school | Modern Web browsers

Teacher's Notes
Hour of Code: How Big is It?

77,461 Hour of Code events around the world

15,000,000 people took part in Hour of Code 2014.
Hour of Code: How Big is It in Alaska?
Hour of Code: Who's Behind It?

And MANY, MANY, More!