

Resources for Parents

AASL Digital Tools for Teaching & Learning

ala.org/aasl/awards/best

Common Sense Media Best Apps

commonsensemedia.org/app-reviews

Hour of Code for Parents

hourofcode.com/us/how-to/parents

PBS Parents | Learn Through Coding

pbs.org/parents/thrive/what-kids-can-learn-through-coding

Positive Technological Development Framework

<https://sites.tufts.edu/devtech/ptd/>

Reading Public Library Resources

Library of Things

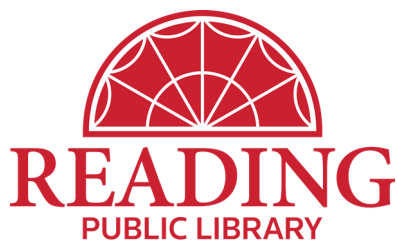
Check out a STEM kit or coding robot!
readingpl.org/what-we-have/borrow-it/library-of-things/

Digikids: Resources & Apps

Online resources from books to movies to apps!
<https://bit.ly/2pVBear>

Girls Who Code

Club for teens to learn to code.
readingpl.org/kids-teens/teens/teen-gwc/



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CODING
RESOURCES
KIDS & TEENS

Apps

Cargo-Bot

The puzzle game that challenges your brain and helps you learn programming concepts.

Codea

Create games and interactive simulations on the iPad.

Hopscotch

Block-programming app that teaches elementary and middle school students coding concepts through the design and creation of games.

LightBot

Program the robot to perform a specific sequence of actions.

PBS Kids Scratch Jr.

Creative coding app where learners can create their own interactive stories, games, and animations by snapping together colorful programming blocks.

Swift Playgrounds

Solve puzzles to master the basics using Swift – a powerful programming language created by Apple.

Look for these apps in your device's app store.

Websites

Alice | alice.org

Block-based programming environment that makes it easy to create animations, build interactive narratives, or program simple games in 3D.

Code Combat | codecombat.com/play

Game-based program where students type real code and see their characters react in real time.

Glitch | glitch.com

Online code editor focused on website development.

Khan Academy | khanacademy.org/computing

Tutorials to teach programming languages & more.

MIT App Inventor | appinventor.mit.edu

Block-based programming to build animations, form interactive narratives, and program simple games.

Scratch | scratch.mit.edu

Drag and drop to program your own interactive stories, games, and animations and share your creations with others.

Tynker | tynker.com

Many block & text based learning modules for kids & teens.

Toys, Gadgets & Kits

Adafruit Circuit Playground Express

Use block based coding or javascript to program real hardware with sensors.

Bitsbox

Monthly subscription box that features a new CS concept along with a hands-on project.

Bloxels

Integrates the physical and digital worlds with "Build Your Own Video Game."

Kano Harry Potter Coding Kit

Build a wand. Learn to code. Make magic.

Little Bits

Hands-on learning system of electronic building blocks that allows students of all ages to create with technology.

Little Robot Friends

Learn coding with expressive, customizable robot characters.

Ozobot

Code a bot with online block editor or screen-free with color codes.

Sphero

Robotic ball designed to inspire curiosity, creativity, and invention through connected play and coding.

Find these items online from various vendors. Search by name.