

## Websites



### CodeCombat

Learn programming with a multiplayer live coding strategy game for beginners. Learn Python or JavaScript as you defeat ogres, solve mazes, and level up.



### Hour of Code

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.



### Code Studio

Part of the Hour of Code site, you can design an app, code with blocks or JavaScript to make it work, then share your app in seconds.



### MIT App Inventor

MIT App Inventor is an innovative beginner's introduction to programming and app creation that transforms the complex language of text-based coding into visual, drag-and-drop building blocks.



### Scratch

With Scratch, you can program your own interactive stories, games, and animations — and share your creations with others in the online community.



### South Country Library

22 Station Road  
Bellport, New York 11713  
(631) 286-0818  
<http://www.sctylib.org/>

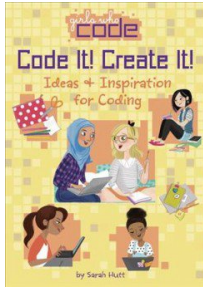


# COMPUTER CODING

*"Everybody in this country should learn how to program a computer . . . because it teaches you how to think."*

*Steve Jobs*

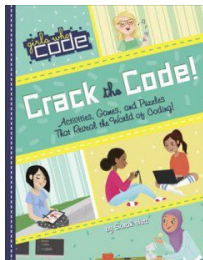
# Books



## Code It! Create It! : Ideas & Inspiration for Coding

by Sarah Hutt

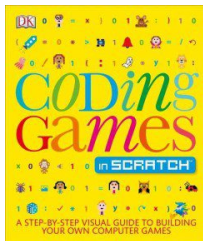
You can make anything with code! The possibilities for coding projects are limitless, so use these pages to get inspired, jot down ideas, doodle, play coding games, and more.



## Crack the Code! : Activities, Games, and Puzzles That Reveal the World of Coding

by Sarah Hutt

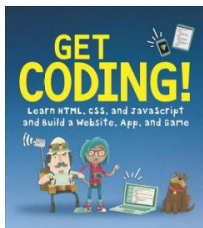
This action-packed book with a two-color interior is full of word games, mazes, quizzes, and more--it's your key to understanding how coding is used in robotics, arts & animation, sports, music & performance, and for social causes.



## Coding games in Scratch

by Jon Woodcock

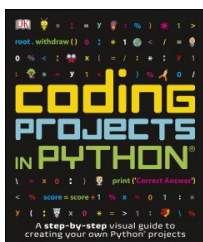
Outlines simple steps for creating computer games using the Scratch programming language



## Get coding! : learn HTML, CSS, and JavaScript and build a website, app and game

by Young Rewired State

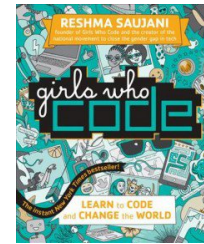
A guide to introductory computer programming shows kids how to use HTML, CSS and JavaScript to build websites, apps and games, providing user-friendly instructions.



## Coding projects in Python

by Inc. Dorling Kindersley

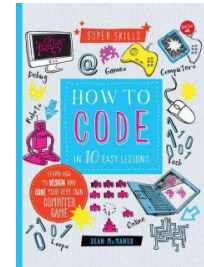
Presents an introduction to the Python programming language with illustrated steps for creating simple projects, including an animal quiz, a password picker, a robot builder, and a screen pet



## Girls who code : learn to code and change the world

by Reshma Saujani

A graphically illustrated introduction to the relevance of coding that shares down-to-earth explanations about coding principles and real-life stories of women programmers who work at such places as Pixar and NASA. Simultaneous eBook.



## How to code in 10 easy lessons

by Sean McManus

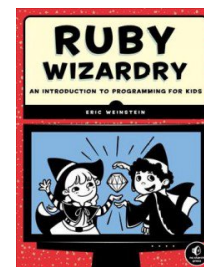
Offers an introduction to computer programming using Scratch software and creating web pages using HTML in ten lessons that each introduce a different coding skill



## Learn to program with Scratch : a visual introduction to programming with games, art, science, and math

by Majed Marji

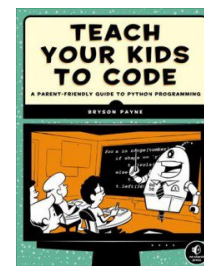
Scratch is a fun, free, programming environment where you connect blocks of code to build programs. Rather than type countless lines of code in a cryptic programming language, why not use colorful command blocks and cartoon sprites to create powerful scripts?



## Ruby wizardry : an introduction to programming for kids

by Eric Weinstein

Introduces the Ruby programming language using an illustrated tale to teach programming skills, including how to use fundamental concepts like variables and arrays; control program flows with loops and conditionals; and save programs as scripts.



## Teach your kids to code : a parent-friendly guide to Python programming

by Bryson Payne

A parent and teacher's guide to basic Python programming offers step-by-step instructions for using the Turtle module, understanding Python syntax and developing playable games.