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.

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.

Computer Coding Club
is the every third Wednesday of the month
from 3:00 - 4:00 pm
September - June (except February)

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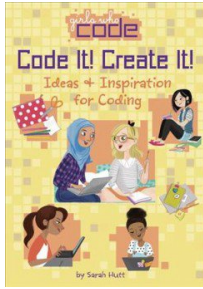http://www.sctylib.org/

COMPUTER CODING

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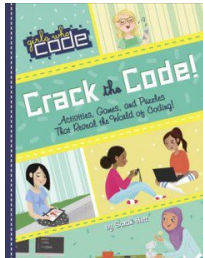
Steve Jobs

Books

Code It! Create It! : Ideas & Inspiration for Coding
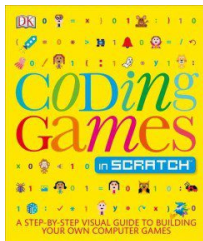by Sarah Hutt

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
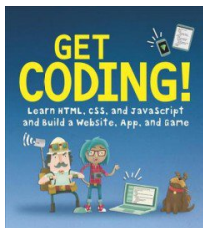by Sarah Hutt

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.

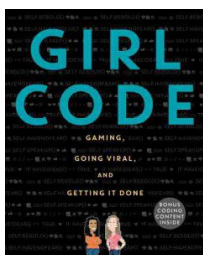## Coding games in Scratch
by Jon Woodcock

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
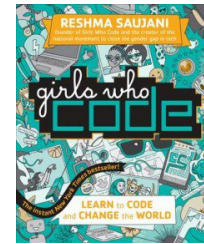by Young Rewired State

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.

Girl code : gaming, going viral, and getting it done
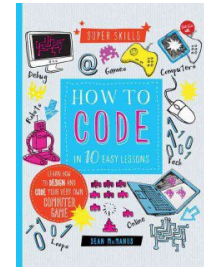by Andrea Gonzales

The two teens behind the viral video game "Tampon Run" share the lesser-known story of their experience at Girls Who Code and their rise to fame, sharing insider perspectives into today's startups, the influence of women in tech and the power of coding.

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.

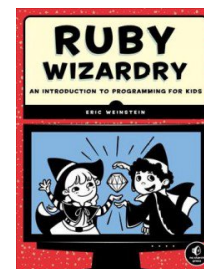## How to code in 10 easy lessons
by Sean McManus

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
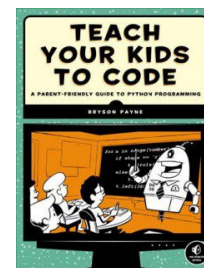by Majed Marji

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.