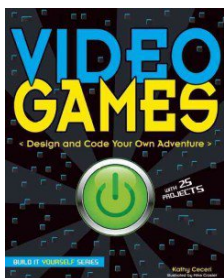


Tailored Skills



Learn: How to Code a Video Game

Library Books & Materials

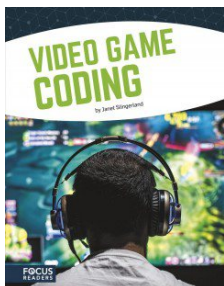


Video games : design and code your own adventure : with 17 projects

by Kathy Ceceri

Explains the compelling nature of video games and the commonalities shared between ancient and modern games, introducing their mathematical,

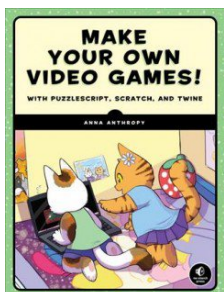
scientific and psychological properties through a series of design projects. Simultaneous. 35,000 first printing.



Video game coding

by Janet Slingerland

Explains the process programmers use to create a video game, including key concepts such as game mechanics and user interfaces.



Make your own video games! : design, code, share, and play

by Anna Anthropy

A both adult- and kid-friendly guide to digital game development that shows readers how to use Twine, Puzzlescript, and Scratch to create interactive stories, adorable turn-based

puzzles and multi-level games to share with friends. Original.

Online Resources & Apps

Scratch - scratch.mit.edu - Ages 8-16 - Free

Scratch has a large online community where children can program and share interactive media such as stories, games, and animation with people from all over the world. The Scratch platform is designed especially for kids ages 8 to 16. Younger children can also try ScratchJr, a simplified version of Scratch designed for ages 5 to 7.

Blockly - blockly.games - Ages 8+ - Free

Blockly teaches programming principles and introduces JavaScript using a block-based programming approach. It's just like doing a puzzle, except you connect pieces of code and you don't end up with any missing pieces under the couch.

Code.org Studio - code.org - Ages 4-14 - Free

Code.org hosts a coding website for kids with a series of four courses that teach computer science fundamentals. At the end of each course, students are able to create interactive games or stories for sharing online. Your child will get to see and be a part of the over 74 million projects showcased.

Apps

Coding Safari - iOS - Ages 2+ - Free

This game will engage young children in computational thinking - the fundamental techniques needed to understand coding - without them realizing they are learning. It will also ignite their passion for puzzles and problem-solving - all while playing a fun game with animals.

AlgoRun - iOS & Android - Ages 10+ - Free

his app specializes in puzzle challenges that kids can solve while intuitively learning the basics of programming. AlgoRun features 30 levels that will teach you the basics of coding in a fun interactive way by using game mechanics derived from programming concepts.

Community Resources

iCodeSchool - Edmond & Online - icodeschool.com

iCode is a STEAM education center for children that offers curriculum in coding, design, robotics, microcomputers, game development, and app creation. *Please note this resource contains an associated fee.*

Your learning made to fit.

