

@mjkabir Notes



<https://shownotes.app/show/cskids>

Elementary CS Resources for Summer 2024

Summer is coming soon, and parents are planning supplemental courses for their kids during summer break. I firmly believe that summer must be fun and educational for kids. Otherwise, summer can cause kids to lag in their next academic journey cycle. In his 2008 book *Outliers: The Story of Success*, Malcolm Gladwell points out how summers can be a crucial differentiator for kids' education.

In this communication, I will delve into the benefits of computer science resources for elementary school kids, particularly those in the 5th and 6th grades. These courses not only introduce children to the world of technology but also foster critical thinking and problem-solving skills, which are essential in today's digital age.

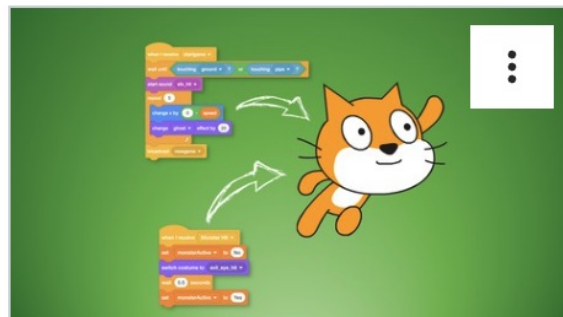
I have already purchased two courses for my 5th-grade son for this summer.



Python Programming for Beginners and Kids - Anyon...

Matt Bohn

[START COURSE](#)



Programming for Kids and Beginners: Learn to Code in...

Daniel Ciocîrlan

[START COURSE](#)



AI REVIEW PASSED.



Programming for Kids: Learn to Code in Scratch [PAID]

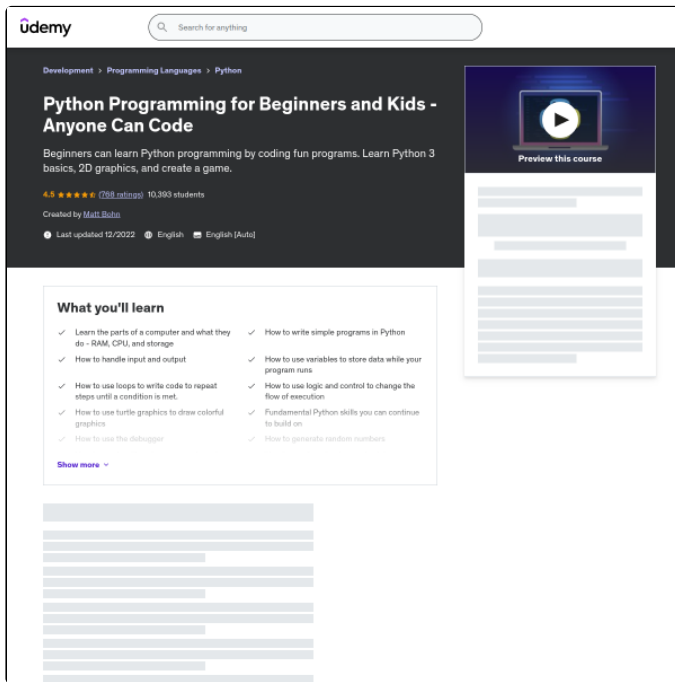
Although this is not a free course, it is highly recommended for early-stage explorers of computer science.

I purchased this for my 5th-grader son.

166 days ago

Website:

<https://www.udemy.com/course/programming-for-kids/?couponCode=24T5FS31824>



Python Programming for Kids [PAID]

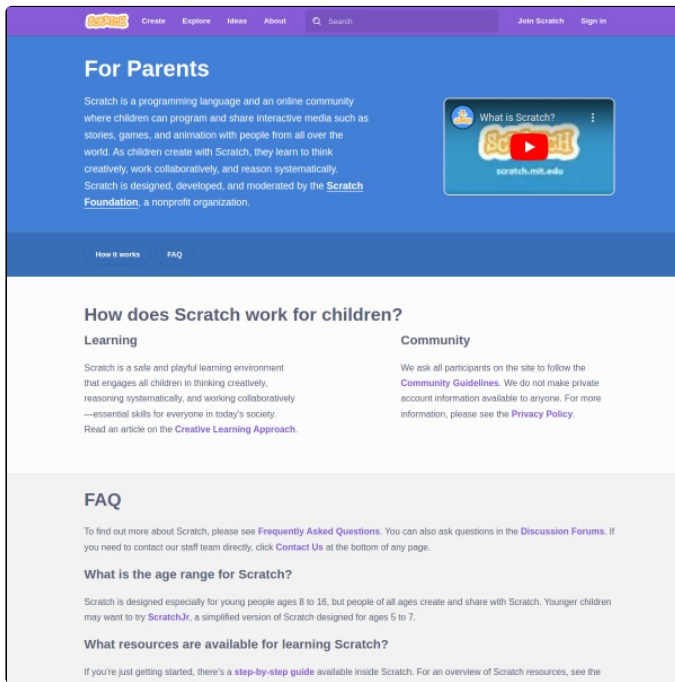
This one is more involved than the Scratch programming course for kids, but some kids are ready for Python, so this might be suitable.

I purchased this for my 5th-grader son.

165 days 24 hrs ago

Website:

<https://www.udemy.com/course/python-for-beginners-anyone-can-code/?couponCode=24T5FS31824>



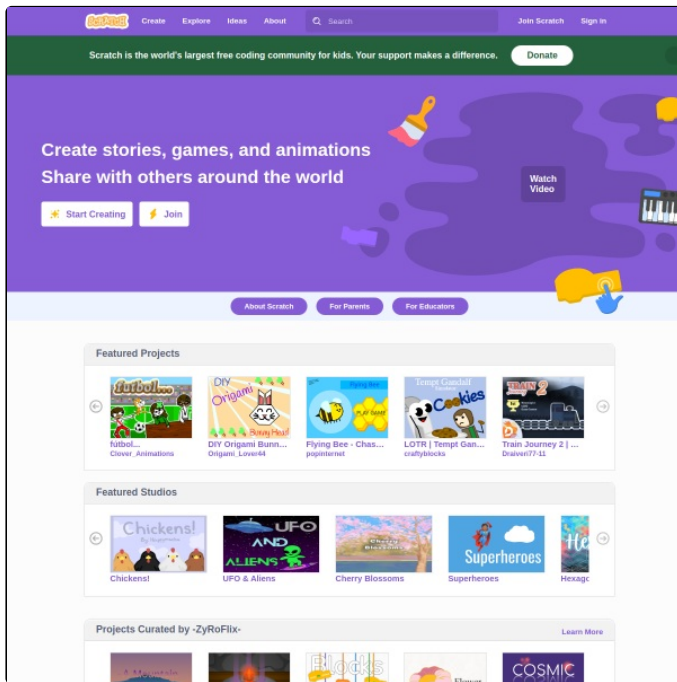
Scratch Programming at MIT

Scratch is a programming language and an online community where children can program and share interactive media such as stories, games, and animation with people worldwide. Children who create with Scratch learn to think creatively, work collaboratively, and reason systematically.

166 days ago

Website:

<https://scratch.mit.edu/parents>



Teach Yourself Scratch Programming [FREE]

If your kid is disciplined enough to learn new things independently, this site will be a gold mine!

165 days 24 hrs ago

Website:

<https://scratch.mit.edu/>



Code in Place

 Continue with Google

 Continue with One-Time Link

OR

Create an Account

I Have an Account

Code in Place – Stanford University Intro Course [FREE]

Code in Place is a free introductory programming course using the Python language, based on material from the first half of Stanford University's established intro course, CS106A. It assumes no prior programming experience. You won't receive a grade in the course, and completing it doesn't earn university credit. Instead, the main outcome is that you will have acquired a new and wonderful skill: how to program.

Next class with teachers:

April 22nd – May 31st

200 days 17 hrs ago

Website:

<https://codeinplace.stanford.edu/welcome>



Best CS Intro class from Harvard

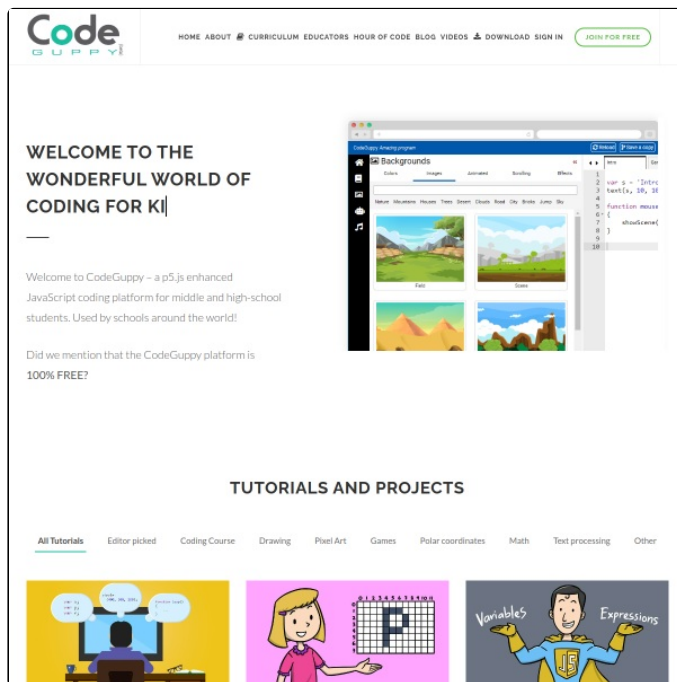
This is the best class that I have ever seen online. Your child may need to be bigger for this class, but I highly recommend this for your teen student or yourself.

My 9th-grader son is taking this course and is nearly finished.

165 days 24 hrs ago

Website:

<https://www.youtube.com/watch?v=LfaMVIDaQ24>



CodeGuppy - free web-based coding platform for K-12 students

CodeGuppy (codeguppy.com) is a free, web-based coding platform designed to help middle and high school students learn JavaScript through creative projects and interactive lessons. It is built on JavaScript and p5.js, a library that simplifies the process of creating graphics, animations, and interactive elements. CodeGuppy offers a range of resources, including coding challenges, video tutorials, and project examples, to engage students in learning JavaScript.

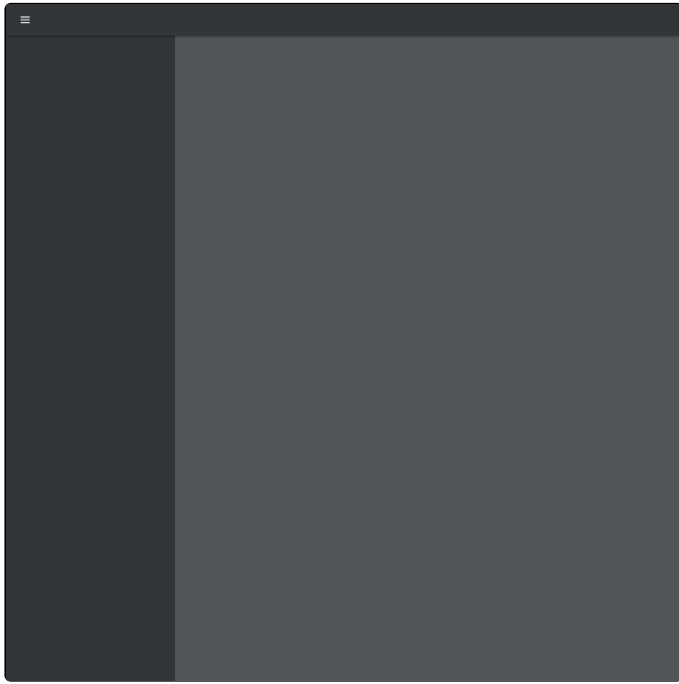
The platform encourages hands-on learning and allows students to share their creations with others in the community. One of CodeGuppy's key features is its compatibility with various devices and browsers, making it accessible to a wide range of users. Since there's no need to install any software, teachers can easily integrate CodeGuppy into their classrooms or coding clubs, fostering a fun and collaborative learning environment. CodeGuppy's curriculum is tailored to suit the needs of young learners, with an emphasis on interactive graphics and game creation.

This approach not only helps students develop their coding skills but also allows them to explore their creativity while building a strong foundation in programming concepts.

141 days 21 hrs ago

Website:

<https://codeguppy.com>



Illustrated JavaScript Coding Curriculum

A professionally illustrated JavaScript coding course in slideshow format (less theory, more examples). With over 700 PDF slides and 300 mini-projects, this course is a comprehensive and well-structured solution for learning JavaScript and creative coding. The course teaches JavaScript by building fun graphical programs and mini-games using the online coding platform codeguppy.com

141 days 21 hrs ago

Website:

https://codeguppy.com/site/download/coding_course.pdf