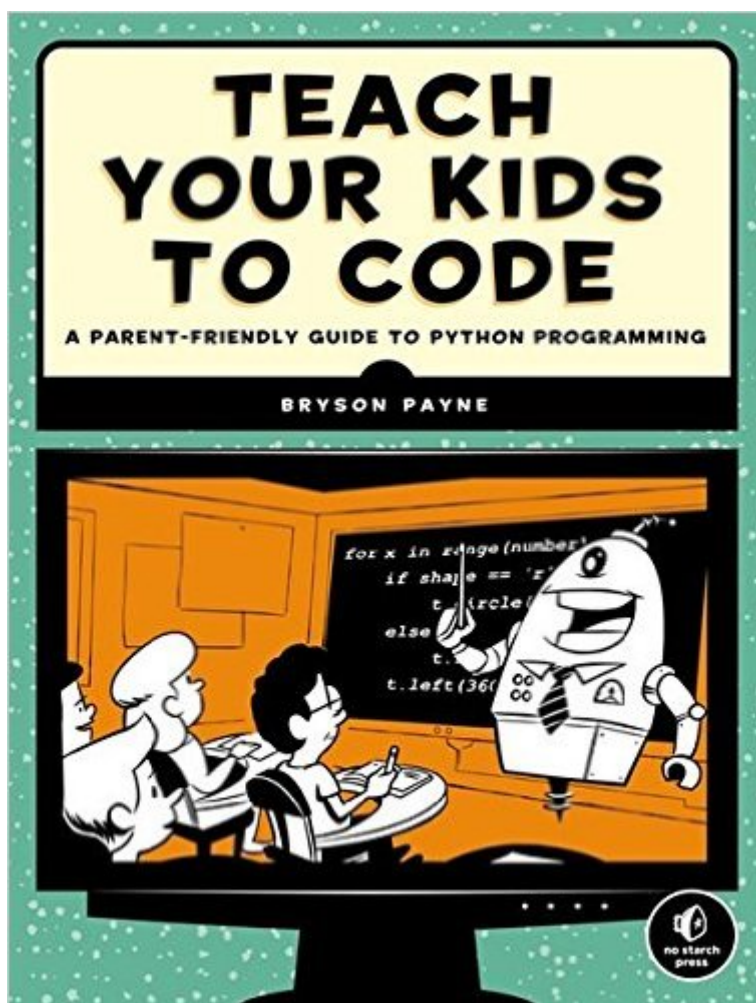# Teach Your Kids To Code: A Parent-Friendly Guide To Python Programming

Synopsis

Teach Your Kids to Code is a parent's and teacher's guide to teaching kids basic programming and problem solving using Python, the powerful language used in college courses and by tech companies like Google and IBM.Step-by-step explanations will have kids learning computational thinking right away, while visual and game-oriented examples hold their attention. Friendly introductions to fundamental programming concepts such as variables, loops, and functions will help even the youngest programmers build the skills they need to make their own cool games and applications.Whether you've been coding for years or have never programmed anything at all, Teach Your Kids to Code will help you show your young programmer how to:Explore geometry by drawing colorful shapes with Turtle graphicsWrite programs to encode and decode messages, play Rock-Paper-Scissors, and calculate how tall someone is in Ping-Pong ballsCreate fun, playable games like War, Yahtzee, and PongAdd interactivity, animation, and sound to their appsTeach Your Kids to Code is the perfect companion to any introductory programming class or after-school meet-up, or simply your educational efforts at home. Spend some fun, productive afternoons at the computer with your kidsâ "you can all learn something!

Book Information

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Age Range: 9 and up

Grade Level: 4 - 7

Customer Reviews

Why teach your kids to code?   Computer programming, or coding, is a crucial skill every child

should be learning. From 3D printers, to mobile apps, to robots, to drones that deliver pizza, the world around us relies on code more than ever before. Coders get to solve problems and do interesting, fulfilling work, and the time to start learning to code is now! Whether you want to build an app, a game, or a self-driving car, the power of coding is right at your fingertips. All the programming tools in Teach Your Kids to Code are free to download, and all the source code for every chapter is free to download from the No Starch Press web site. I began introducing my two sons to programming when they were two and four, and I encouraged them to have fun by changing small parts of each program, like the colors, shapes, sizes and locations of objects on the screen. You can learn to program alongside your student, and take time to try new things as you go. Learning to code is the pathway to an inspiring pastime and better career opportunities. Start coding today.

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