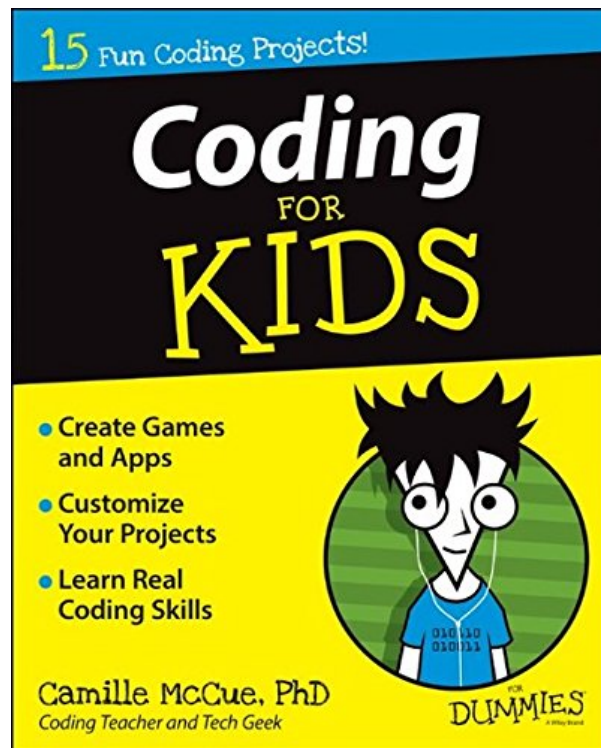


CODING FOR KIDS FOR DUMMIES BY CAMILLE MCCUE



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15 Fun Coding Projects!

Coding FOR KIDS

- Create Games and Apps
- Customize Your Projects
- Learn Real Coding Skills



Camille McCue, PhD
Coding Teacher and Tech Geek

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Learning to code is something every kid can do, and it should be a fun, creative experience. There are so, so, so, many programming languages with which you can begin -- Scratch, JavaScript, Python, App Inventor -- but I am personally a fan of MicroWorlds EX, the language I use in this book. Diehard computer programmers may ask, "WHY?!?!? -- that's a teaching language." That's true! It's a Logo language developed originally by Seymour Papert of MIT. Many K-12 schools and even some universities, including Stanford (in the Transformative Learning Technologies Lab), introduce students to coding using MicroWorlds, StarLogo and other Logo languages because they build the programming foundations AND spark the confidence and curiosity needed to keep new coders engaged.

I love MicroWorlds EX because it features a large workspace for designing your app's GUI, fun graphic design tools, a built-in compiler/interpreter, simple dialog boxes and palettes, and a pane for writing procedural code -- all in one place. It's a step up in complexity over Scratch (because, like in "real" coding, kids actually have to type using correct vocabulary and syntax), but it preserves the easy ability to create graphics, execute code, and obtain debugging clues. It's also simple to install MicroWorlds EX, and once installed, kids don't need access to the Internet to code.

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When you are hurried of job due date and have no idea to get motivation, **Coding For Kids For Dummies By Camille McCue** book is among your remedies to take. Book Coding For Kids For Dummies By Camille McCue will give you the best resource as well as point to obtain inspirations. It is not just concerning the works for politic company, management, economics, as well as other. Some purchased jobs making some fiction your jobs likewise require motivations to overcome the job. As what you require, this Coding For Kids For Dummies By Camille McCue will probably be your choice.

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An easy-to-grasp introduction to coding concepts for kids

Coding For Kids For Dummies breaks coding into a series of small projects, each designed to teach elementary-to-middle-school-aged students a core concept to build a game, application, or other tool. In this hands-on, friendly guide readers will get access to a leading coding tool that has been designed specifically for kids, showing them how to create the projects provided in the book as well as how to implement them into their own creative work.

Written by a teacher and leading advocate of coding education, Coding For Kids For Dummies explains to kids in plain English how to apply the math and logic skills they already have to the subject of coding. In no time, they'll be grasping basic coding concepts, completing their very own technical feats, and arming themselves with the computer science experience and know-how to prepare for a future working with technology.

- Lay-flat binding allows for easy access as students work on projects
- Full-color, large-print design make the information more approachable to kids
- Kids interested in computer science get a competitive edge
- The author has dedicated her career to enhancing coding and other STEM education in schools

If you're a student who wants to learn coding, a parent who wants to help your kid pursue an interest in coding, or a teacher who is in need of a supplemental course book for your computer science class, Coding For Kids For Dummies has you covered.

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The fun and easy way for kids to learn new skills on their own!

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Most helpful customer reviews

23 of 23 people found the following review helpful.

Be aware you will eventually need to purchase MicroWorlds EX to use this book

By Karen Wilber

Anyone who purchases this book should know that Coding for Kids specifically teaches MicroWorlds EX. Readers get a free trial version for 35 days or 90 saves (whichever comes first). You also receive a 70% discount on MicroWorlds EX, which, according to the LCSI website, costs \$99 for a single user license. So the book by itself is only useful for less than 2 months. (www.microworlds.com)

Having said that, this is an excellent tutorial. MicroWorlds EX is based on the Logo programming language and uses natural language commands and objects called "turtles" to execute the commands. The LCSI website says the target age is grade 4 and up and my 10-year-old was able to follow the directions to create the games. I sat with him and explained what we were doing, so he was able to make modifications on his own. The book is well-formatted and leads kids through the process of coding with picture clues to guide them and the author's explanations are simple to understand. Although it says "for Kids" in the title, it's not for little kids. (There's a MicroWorlds JR for them). I think that middle school students (or high school if they've had no coding experience) would be a more appropriate audience for this book.

The book is divided into 5 weeks of coding with 3 projects each week, so you do have time to evaluate the software to see if you want to purchase it. The author presents a variety of projects that teach coding basics and her directions are simple to follow, with plenty of graphics and screen shots to guide you along. Projects include programming a spirograph-like "Art Toy", a "Sketcher Etcher", some interactive animations, some programmed simulations and math activities, and some games like "Rock Paper Scissors" and a version of Frogger.

We found MicroWorlds EX to be a good program for providing immediate feedback when we made coding changes. It encourages experimentation and exploration which made creating our own versions of the games possible. We were able to test our ideas and go beyond the book's directions.

Even if we don't eventually purchase the software, my boys are learning a great deal about coding and having fun.

Note: I evaluated this as a parent purchasing this for use at home. As a teacher, I think this would be a great program for the classroom, if your school/district will purchase the licenses. Elementary teachers should take a look at MicroWorlds Jr. and Scratch--a free program from MIT (scratch.mit.edu)

15 of 17 people found the following review helpful.

Fantastic Resource for Kids AND Parents

By Meg

If you're a parent like me - concerned that you don't possess the computer savvy or coding know-how to teach programming skills to your (in my case) 10-year-old daughter who's begging for help - this book is a fantastic resource. Many of the projects are simple and easy to create. Sitting next to my daughter while she

was on the computer, my Kindle version of Coding for Kids open on my lap for reference, we actually created two projects together and it was fun, not intimidating or too difficult. Explanations are simplified and concepts are easy to grasp. I can't say I've caught the coding bug, but I was at least able to help my daughter through the first two projects with ease, and now she's working independently on her fourth Coding for Kids project and absolutely loves it! That's what matters most to me: finding those programming education resources that my daughter can use on her own as her skill level increases (because I'll be honest, I'm not going to keep up). Worth every penny!

12 of 13 people found the following review helpful.

Bravo!

By David and Cathi Muckle

The last several years I have heard about the importance of learning to write code from the likes of Bill Gates, Mark Zuckerberg, and many others. Finally there is a clear, well written, interesting book called Coding for Kids! My son loves it and is learning to write code! It is also wonderful for someone like me, an adult, who wants to learn! Please keep books like this coming. Bravo!

[See all 46 customer reviews...](#)

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It is so easy, isn't it? Why do not you try it? In this website, you could also locate various other titles of the **Coding For Kids For Dummies By Camille McCue** book collections that may be able to aid you finding the most effective remedy of your task. Reading this book Coding For Kids For Dummies By Camille McCue in soft file will likewise ease you to obtain the resource effortlessly. You may not bring for those books to someplace you go. Just with the device that always be with your almost everywhere, you can read this book Coding For Kids For Dummies By Camille McCue So, it will certainly be so promptly to finish reading this Coding For Kids For Dummies By Camille McCue

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