



# Coding For Kids For Dummies

By Camille McCue



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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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## **Coding For Kids For Dummies By Camille McCue Bibliography**

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### Editorial Review

#### Review

*"..informative and easy to understand without feeling like it was condescending.."* (Larger Family Life, August 2015)

*"Coding For Kids can be used as a source of ideas in its own right.."* (Teach Secondary, November 2015)

"It's worth getting the book because the project ideas are quite good... I found the projects not only interesting and innovative, but also with readable instructions!" (ylmp.com, January 2016)

#### From the Author

#### **Everyone Can Code!**

Learning to code is something every kid can do, and it should be a fun, creative experience. There are 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.

The book is stuffed full of fun projects from games to simulations, and it comes with a free, downloadable trial of MicroWorlds EX -- 35 days. Kids who focus on one book Part each week will find they have sufficient time to sample key concepts and complete the projects that most appeal to them. If, by working through the projects, kids find they love programming (and I hope they do!), then purchase of the book and use of the trial will have motivated them to expand their horizons, trying new projects and also new languages. For kids who find they love MicroWorlds EX like I do, they can obtain a deep discount on a forever version of the software (\$29 as opposed to the standard \$99). For kids who want to craft projects in a free programming language, many of the ideas in the book can be adapted for creation in Scratch and other Logo-based languages. Regardless of which programming language your young coders work in, I hope they find the project ideas presented in this little book fun, instructive, and motivational for writing their own code and developing their own cool projects.

My heart leaps when I see students bring the ideas out of their heads and into the world, creating digital artifacts through coding and physical ones through making. It's an amazing time to be a kid, and I applaud the adults who are working hard to support this next generation of ingenious inventors!

From the Back Cover

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

*A coding book for kids!*

Do you know how to write code to create your own computer games and applications? This book shares 15 projects designed to teach the basics of coding while you follow step-by-step projects. When you're finished, you can proudly brag "I made this!!!"

- Dive right in — download the MicroWorlds EX trial and start writing simple code
- Make it your own — add your personal touches to the projects
- Build the skills — show off new coding and math know-how to your friends, parents, and teachers

## **FOR KIDS**

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

Or with a little help from friends, family, and teachers.

## **Users Review**

**From reader reviews:**

**Jaime Worm:**

Playing with family inside a park, coming to see the ocean world or hanging out with close friends is thing that usually you will have done when you have spare time, then why you don't try factor that really opposite from that. 1 activity that make you not feeling tired but still relaxing, trilling like on roller coaster you already been ride on and with addition of information. Even you love Coding For Kids For Dummies, you could enjoy both. It is fine combination right, you still want to miss it? What kind of hangout type is it? Oh can occur its mind hangout people. What? Still don't obtain it, oh come on its called reading friends.

**Michael Carr:**

Do you really one of the book lovers? If so, do you ever feeling doubt while you are in the book store? Make an effort to pick one book that you find out the inside because don't assess book by its handle may doesn't work is difficult job because you are frightened that the inside maybe not while fantastic as in the outside appearance likes. Maybe you answer might be Coding For Kids For Dummies why because the wonderful cover that make you consider about the content will not disappoint anyone. The inside or content is actually fantastic as the outside or maybe cover. Your reading sixth sense will directly guide you to pick up this book.

**Jerry Melgar:**

The book untitled Coding For Kids For Dummies contain a lot of information on this. The writer explains

your girlfriend idea with easy method. The language is very easy to understand all the people, so do not really worry, you can easy to read it. The book was authored by famous author. The author will bring you in the new age of literary works. You can read this book because you can read on your smart phone, or gadget, so you can read the book within anywhere and anytime. If you want to buy the e-book, you can start their official web-site and also order it. Have a nice read.

### **Cody Chenault:**

What is your hobby? Have you heard that question when you got college students? We believe that that question was given by teacher with their students. Many kinds of hobby, Everybody has different hobby. And also you know that little person like reading or as looking at become their hobby. You need to know that reading is very important as well as book as to be the point. Book is important thing to increase you knowledge, except your own personal teacher or lecturer. You find good news or update about something by book. Many kinds of books that can you choose to use be your object. One of them are these claims Coding For Kids For Dummies.

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