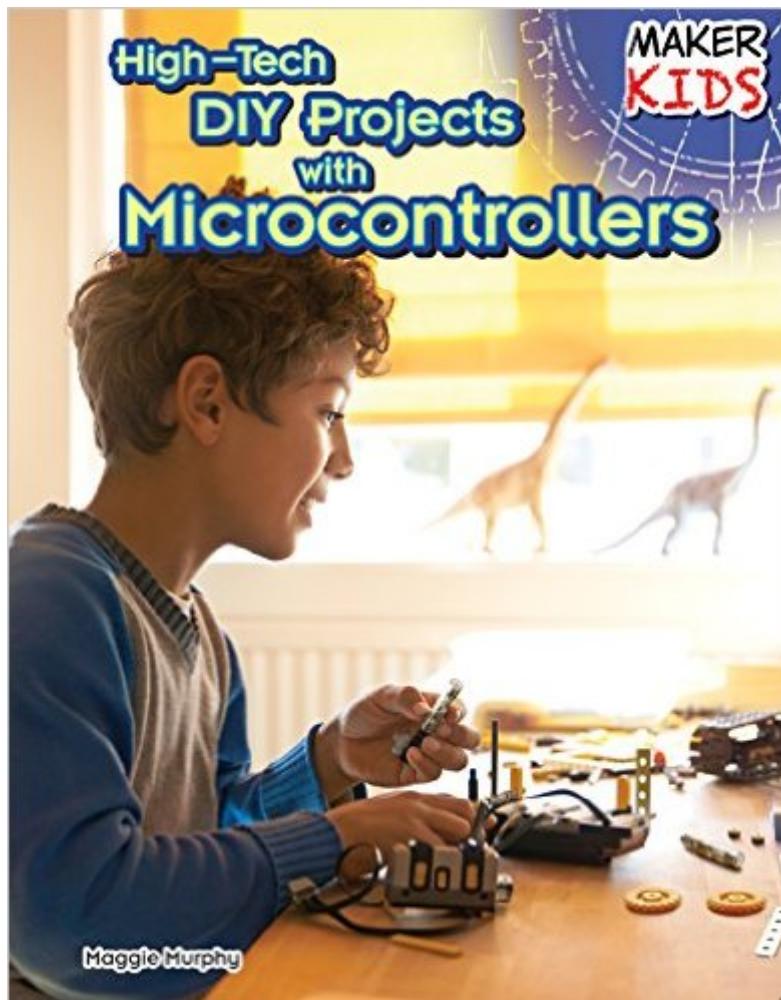


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# High-Tech DIY Projects With Microcontrollers (Maker Kids)



## **Synopsis**

Microcontrollers are small computers embedded in many everyday devices. The average person interacts with several of them each day without even thinking about it. But why have microcontrollers become so ubiquitous, in what devices are they found, and most importantly how does one go about making one? All this and more is explained in the engaging text. It will turn even the technologically illiterate into budding tech wizards.

## **Book Information**

Series: Maker Kids

Hardcover: 32 pages

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Product Dimensions: 8.6 x 0.3 x 11 inches

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Average Customer Review: 3.0 out of 5 stars Â See all reviews Â (1 customer review)

Best Sellers Rank: #3,460,023 in Books (See Top 100 in Books) #50 in Books > Children's Books > Computers & Technology > Hardware & Robotics #278 in Books > Children's Books > Computers & Technology > Programming #3265 in Books > Children's Books > Activities, Crafts & Games > Crafts & Hobbies

Age Range: 8 - 11 years

Grade Level: 3 - 6

## **Customer Reviews**

I checked this book out at the local library to see if it was fitting for Middle and High School students. It was helpful, but I found it to be a little on the light side. This book is an elementary intro to Microcontrollers and where they exist around us (RC cars, digital watches, etc.). Halfway through the book the author suggests joining a club. The rest of the book has a few DIY projects. The discussion builds by going over littleBits (3 pages, 1 project-make an auto-greeter, web address provided for more), Dreambits (1 page, reference next level of littleBits), and Arduino (8 pages, 1 project-make it blink, web link provided for more projects - RGB LED & Electronic Die). Overall, I had expected it to be filled with projects. This is a good book for elementary school aged kids, or those with no background in computers. The sad thing is that many schools do not promote computer

science or programming within common curriculum. This book does help students and parents promote STEAM (STEM+Art) in the classroom through maker culture. If that case, the book is good first step. Those interested in DIY projects should look at the littleBits and Arduino websites for skill appropriate projects. For a book with DIY in the title I was hoping for more projects. I feel that the littleBits and Arduino Starter Kits themselves have more to offer.

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