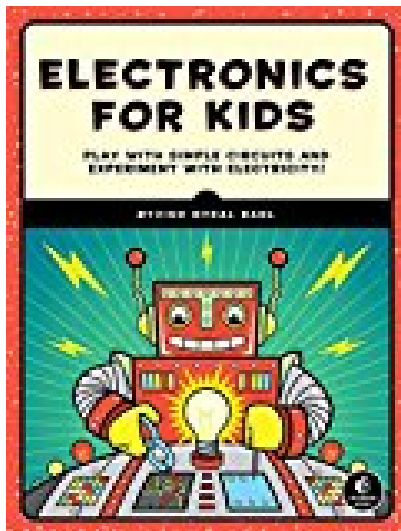


Electronics for Kids Play with Simple Circuits and Experiment with Electricity!



BOOK DETAILS

- Author : Oyvind Nydal Dahl
- Pages : 328 Pages
- Publisher : No Starch Press
- Language : English
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BOOK SYNOPSIS

Why do the lights in a house turn on when you flip a switch? How does a remote-controlled car move? And what makes lights on TVs and microwaves blink? The technology around you may seem like magic, but most of it wouldn't run without electricity. *Electronics for Kids* demystifies electricity with a collection of awesome hands-on projects. In Part 1, you'll learn how current, voltage, and circuits work by making a battery out of a lemon, turning a metal bolt into an electromagnet, and transforming a paper cup and some magnets into a spinning motor. In Part 2, you'll make even more cool stuff as you: *Solder a blinking LED circuit with resistors, capacitors, and relays *Turn a circuit into a touch sensor using your finger as a resistor *Build an alarm clock triggered by the sunrise *Create a musical instrument that makes sci-fi sounds Then, in Part 3, you'll learn about digital electronics—things like logic gates and memory circuits—as you make a secret code checker and an electronic coin flipper. Finally, you'll use everything you've learned to make the LED Reaction Game—test your reaction time as you try to catch a blinking light! With its clear explanations and assortment of hands-on projects, *Electronics for Kids* will have you building your own circuits in no time.

ELECTRONICS FOR KIDS PLAY WITH SIMPLE CIRCUITS AND

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