The book was found

Make: Electronics: Learning Through Discovery

Burn things out, mess things up—that's how you learn.

Make: Electronics

Second Edition

Charles Platt

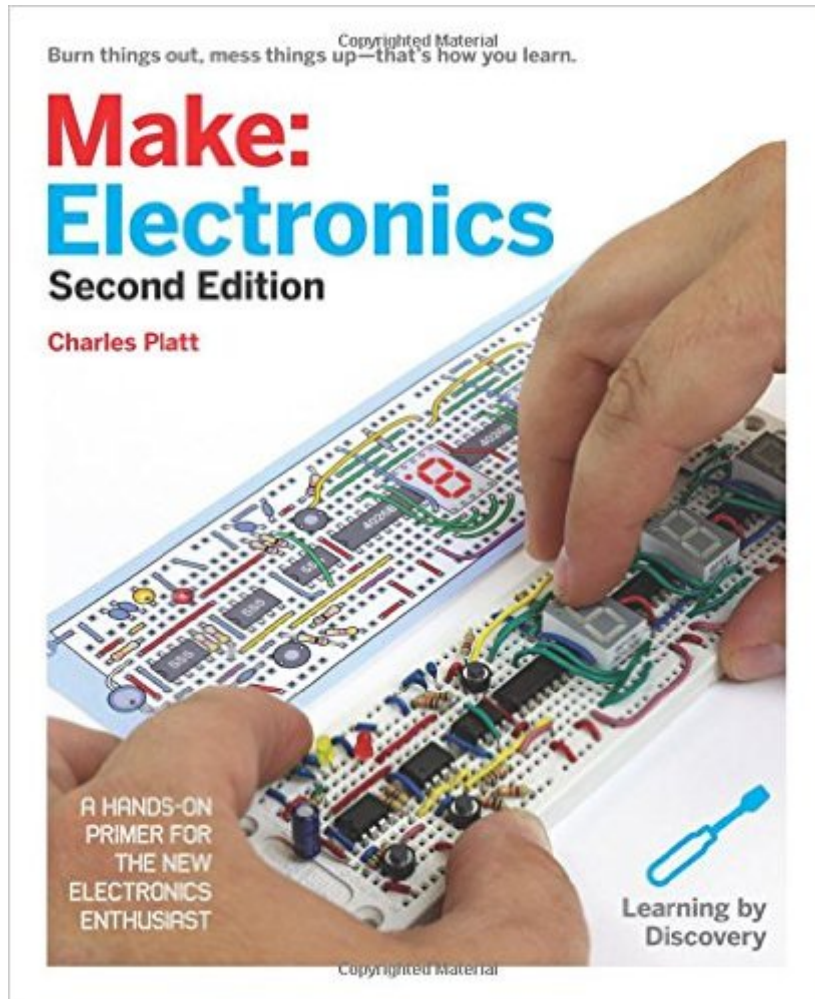A HANDS-ON PRIMER FOR THE NEW ELECTRONICS ENTHUSIAST

Learning by Discovery

Synopsis

"This is teaching at its best!"--Hans Camenzind, inventor of the 555 timer (the world's most successful integrated circuit), and author of Much Ado About Almost Nothing: Man's Encounter with the Electron (Booklocker.com)"A fabulous book: well written, well paced, fun, and informative. I also love the sense of humor. It's very good at disarming the fear. And it's gorgeous. I'll be recommending this book highly."--Tom Igoe, author of Physical Computing and Making Things TalkA "magnificent and rewarding book. ... Every step of this structured instruction is expertly illustrated with photos and crisp diagrams. . . . This really is the best way to learn."--Kevin Kelly, in Cool ToolsThe first edition of Make: Electronics established a new benchmark for introductory texts. This second edition enhances that learning experience.Here you will find unique, photographically precise diagrams of breadboarded components, to help you build circuits with speed and precision. A new shopping guide and a simplified range of components, will minimize your investment in parts for the projects. A completely new section on the Arduino shows you how to write properly structured programs instead of just downloading other people's code. Projects have been reworked to provide additional features, and the book has been restructured to offer a step-by-step learning process that is as clear and visually pleasing on handheld devices as it is on paper. Full color is used throughout.As before, Make: Electronics begins with the basics. You'll see for yourself how components work--and what happens when they don't. You'll short out a battery and overheat an LED. You'll also open up a potentiometer and a relay to see what's inside. No other book gives you such an opportunity to learn from real-life experiences.Ultimately, you will build gadgets that have lasting value, and you'll have a complete understanding of how they work. From capacitors to transistors to microcontrollers--it's all here.Hans Camenzind, inventor of the 555 Timer (the world's most successful integrated circuit chip), said that "This is teaching at its best!" when he reviewed the first edition. Now the second edition offers even more!

Book Information

Paperback: 352 pages

Publisher: Maker Media, Inc; 2 edition (September 7, 2015)

Language: English

ISBN-10: 1680450263

ISBN-13: 978-1680450262

Product Dimensions: 8 x 0.7 x 9.7 inches

Shipping Weight: 1.7 pounds (View shipping rates and policies)

Average Customer Review: 4.7 out of 5 starsÂ Â See all reviewsÂ (77 customer reviews)

Best Sellers Rank: #5,431 in Books (See Top 100 in Books)   #1 inÂ Books > Engineering & Transportation > Engineering > Electrical & Electronics > Circuits > Design   #1 inÂ Books > Science & Math > Experiments, Instruments & Measurement > Experiments & Projects   #1 inÂ Books > Computers & Technology > Programming > Languages & Tools > C & C++ > Tutorials

Age Range: 11 - 17 years

Grade Level: 6 - 12

Customer Reviews

What's New in Make Electronics - 2nd Edition   "While there are some things that have barely changed at all," says author Charles Platt, "others are significantly different in this edition. The new visuals are undoubtedly the thing that readers will notice first. There's color on every page now, with over 350 images.   "A new simplified section provides detailed advice on Internet searches and purchasing components," Charles says. "I think it's a lot easier to understand than the first book, but it's still completely hands-on. Every other book on electronics starts with theory, but I start with putting a battery on your tongueÃ¢Â Â"just as with the original book." Upgraded Projects Throughout!   The dice simulation now has a unique new circuit and can run two dice instead of one.   The burglar alarm is a new circuit with additional features.   The reaction timer is now easier to build and can be precisely calibrated.   The sound synthesizer now demonstrates the effects of coils and capacitors.   The audio amplifier is now much simpler to build.   Several new electromagnetism demonstrations.   Three completely new Arduino projects.

Download to continue reading...

Make: Electronics: Learning Through Discovery Shocking! Where Does Electricity Come From? Electricity and Electronics for Kids - Children's Electricity & Electronics Discovery Kids Dinosaurs Rumble Sound Book (Discovery 10 Button) Moo on the Farm (Discovery Kids) (Discovery 10 Button) Roar at the Zoo Sound Book (Discovery Kids) (Discovery 10 Button) The Revolutionary War Discovery Kit (Dover Discovery Kit) Discovery of the Americas, The (Discovery of the Americans) Ultimate Dinosaurs Encyclopedia w/DVD (Discovery Kids) (Discovery Book + DVD) Discovery Channels Dinosaurs & Prehistoric Predators (Discovery Channel Books) Ultimate Sharks Encyclopedia w/DVD (Discovery Kids) (Discovery Book+dvd) Growl with the Animals! (Discovery Kids) (Discovery Kids 10 Button) Make: Lego and Arduino Projects: Projects for extending MINDSTORMS NXT with open-source electronics Make: Tech DIY: Easy Electronics Projects for Parents and Kids Innovation in Open and Distance Learning: Successful Development of Online

and Web-based Learning (Open and Flexible Learning Series) Implementing Cisco IP Routing (ROUTE) Foundation Learning Guide: Foundation learning for the ROUTE 642-902 Exam (Foundation Learning Guides) Implementing Cisco IP Switched Networks (SWITCH) Foundation Learning Guide: Foundation learning for SWITCH 642-813 (Foundation Learning Guides) Deep Learning: Recurrent Neural Networks in Python: LSTM, GRU, and more RNN machine learning architectures in Python and Theano (Machine Learning in Python) Unsupervised Deep Learning in Python: Master Data Science and Machine Learning with Modern Neural Networks written in Python and Theano (Machine Learning in Python) Deep Learning in Python Prerequisites: Master Data Science and Machine Learning with Linear Regression and Logistic Regression in Python (Machine Learning in Python) Convolutional Neural Networks in Python: Master Data Science and Machine Learning with Modern Deep Learning in Python, Theano, and TensorFlow (Machine Learning in Python)