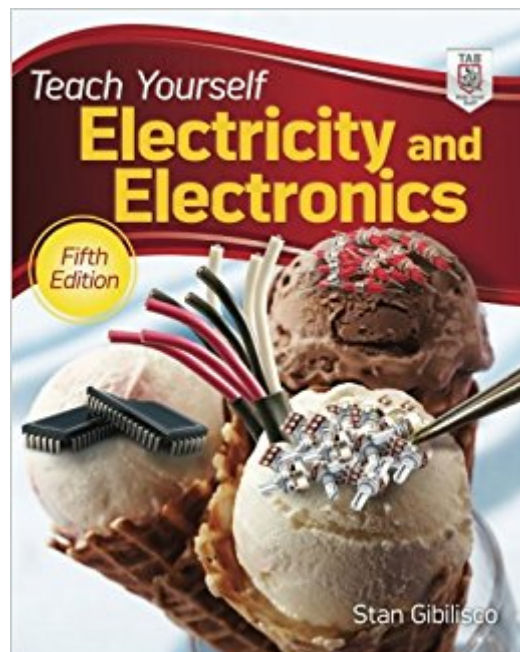




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# Teach Yourself Electricity And Electronics, 5th Edition (Teach Yourself Electricity & Electronics)



## Synopsis

Up-to-date, easy-to-follow coverage of electricity and electronics In Teach Yourself Electricity and Electronics, Fifth Edition, a master teacher provides step-by-step lessons in electricity and electronics fundamentals and applications. Detailed illustrations, practical examples, and hundreds of test questions make it easy to learn the material quickly. This fully revised resource starts with the basics and takes you through advanced applications, such as communications systems and robotics. Solve current-voltage-resistance-impedance problems, make power calculations, optimize system performance, and prepare for licensing exams with help from this hands-on guide. Updated for the latest technological trends: Wireless Systems Fiber Optics Lasers Space Communications Mechatronics Comprehensive coverage includes: Direct-Current Circuit Basics and Analysis \* Resistors \* Cells and Batteries \* Magnetism \* Inductance \* Capacitance \* Phase \* Inductive and Capacitive Reactance \* Impedance and Admittance \* Alternating-Current Circuit Analysis, Power, and Resonance \* Transformers and Impedance Matching \* Semiconductors \* Diode Applications \* Power Supplies \* Bipolar and Field-Effect Transistors \* Amplifiers and Oscillators \* Digital and Computer Basics \* Antennas for RF Communications \* Integrated Circuits \* Electron Tubes \* Transducers, Sensors, Location, and Navigation \* Acoustics and Audio Fundamentals \* Advanced Communications Systems Make Great Stuff! TAB, an imprint of McGraw-Hill Professional, is a leading publisher of DIY technology books for makers, hackers, and electronics hobbyists.

## Book Information

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## Customer Reviews

I found the format of the book great for learning. I am a mechanical engineer who wants to get a better grasp of electronics. Admittedly, I'm only through chapter 16 at the time of this review, however, I've learned a lot already. He presents the material in a very straight-forward way and doesn't attempt to cover too much material before he provides a quiz. I'm looking forward to completing the book. I may consider, after that, buying the book designed for experiments. But if the rest of the book is as good as it has been so far, I will be very pleased. Perhaps, I'm "dumber" than the last reviewer, but I found the presentation level to be perfect for me. I highly recommend the book!

The cover is a bit misleading, that's why I gave it a four. This book is a question and answer type of book. It's like a math work book. If you're looking to build projects this is not the book. I know the cover gives that impression, but that is not covered. The book is about the science/math behind electricity/electronics. I first learned electronics by getting a book where you actually build small projects, I eventually got the hang of building little projects and wanted to learn the science behind what I was doing in a q and A format and this book fit the bill since I was not looking for a text book. It's not a text type book, so if you like things explained in detail, this is not the book. Overall not a bad book, but it may not be the best book for every one.

I do not understand why people think this book is great. It is NOT a book for beginners to learn electronics in any way. It is more like a basic encyclopedia that gives you a brief description of a million topics. The book does cover an incredible number of areas, most are NOT beginner subjects at all, but it only has one brief paragraph to cover a subject that should be a whole chapter. The information given on most subjects is so brief, like an overview, that you will not understand the subject properly. The chapter covering linear and digital integrated circuits is only 8 pages! 8 pages for all linear and digital IC's! you don't learn anything. For me, the few times they actually do try to really explain something, they do so in a confusing and complicated way, I would have no clue what they were trying to say if I hadn't read 2 other books. When you get the book it is nice and big so you think it is going to be great, but most chapters are 6-8 pages and then 4 pages of quiz and the last 100 pages are quiz and index so only about 60% of the book is subject matter. The quizzes are valuable for the most part. For a hobbyist I think only the first half of the book is even relevant. I am disappointed, I wanted to learn more about semiconductors, transistors, and ICs but this just had very little to offer here. It just tries to be too broad. Like I said, for a reference book with basic info on a

lot of subjects that other books do not cover, this is fine. As a first book for "Teaching yourself Electronics"... Forget it. The first part starts out good but as soon as you get to semiconductors it changes to very short theory paragraphs and you don't learn enough to be useful. Every other book I have read on basic electronics is better. Sorry

A great book for those that are looking for a refresher course, or simply for the beginner in the field of electricity and electronics. At first glance, this book may be a little confusing for someone trying to learn these subjects for the first time, but the text is written well enough for even the beginner to be able to understand the material. I had first seen this book at my local bookstore, and at first glance, I thought that maybe the book had too many chapters to be that informative, but I was wrong. Once I had purchased a copy, I realized that this book wasn't brief at all. The material is presented in a way that is very easy to learn, but giving you a very thorough knowledge without confusing you at the same time. I suggest going through the table of contents first to see if the topics listed in the chapters interest you, if you're looking for a well rounded overview, than this text may be right for you. I highly recommend this book, instead of purchasing any of those long and lengthy expensive textbooks. But, if you still feel that maybe you want or need more specific information on any particular topic, then I would suggest maybe purchasing a book on that subject matter after reading this book. After all, if you're out to achieve a good understanding of electricity and electronics, or maybe trying to study for an entrance exam for a particular technical position, then this book is probably all you need. It's a great book for testing your knowledge and what you have just read. The book has a quiz at the end of each chapter, four practice test, and a final exam with all the correct answers in the back so you're not left wondering if you actually answered the questions correctly. I highly recommend any and all of Stan Gibilisco books.

I have a two year degree in electronics so this is a great review. There is a 20 question quiz at the end of every chapter, four section tests, and a final exam. I'm about 1/6 of the way through currently. I bought this to supplement my studying for my ETA cert. However, for a beginner, this may speed through things a bit too fast. At the price, though, it's hard to pass up even for a beginner. I believe I paid less than \$20 for almost 700 pages of content. It's easy to read, also. If you are a beginner, you may want to try to find some reviews from beginners as well to see how they liked it.

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