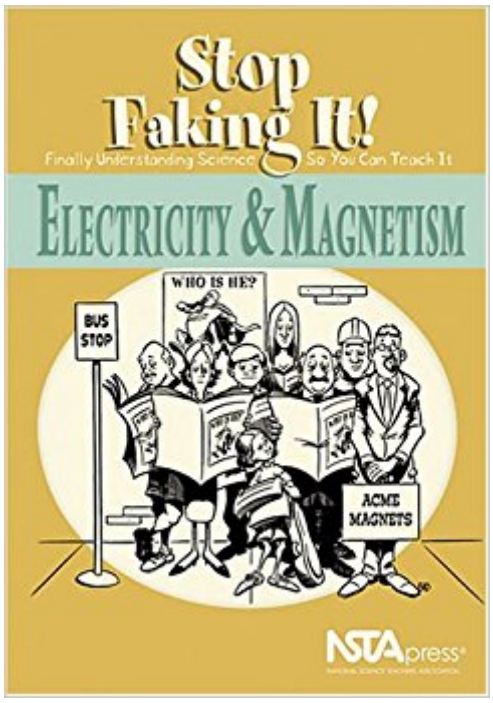
Ebook Directory
the best source of ebook

The book was found

Electricity And Magnetism: Stop Faking It! Finally Understanding Science So You Can Teach It



PDF
Adobe
DOWNLOAD EBOOK

Synopsis

Shocked by static? Mixed up about magnets? Curious about currents? This book will help you get beyond memorizing electricity-related formulas, rules, and procedures so you can understand the topic at a deep level deep enough to teach it with confidence and comfort. By covering the basics of static electricity, current electricity, and magnetism, the book develops a scientific model showing that electricity and magnetism are really the same phenomenon in different forms. A bonus feature: access to interactive software that you can download from the NSTA Web site. The software will help you investigate electrical circuits from simple to complex without having to buy a lot of expensive materials (or risking electrocution!). Electricity and Magnetism is the fifth title in the award-winning NSTA Press Stop Faking It! Series. As author Bill Robertson writes, The book you have in your hands is not a textbook. It is, however, designed to help you get science at a level you never thought possible, and also to bring you to the point where tackling more traditional science resources won t be a terrifying, lump-in-your-throat, I-don t-think-I ll-survive experience. Robertson serves as your friendly guide, one with a comforting knack for anticipating fears, meeting information needs, and entertaining as he edifies.

Book Information

Series: Stop Faking it! Finally Understanding Science So You Can Teach it
Paperback: 161 pages
Publisher: National Science Teachers Association; illustrated edition edition (October 30, 2004)
Language: English
ISBN-10: 0873552369
ISBN-13: 978-0873552363
Product Dimensions: 0.5 x 7 x 9.8 inches
Shipping Weight: 14.4 ounces
Average Customer Review: 4.4 out of 5 stars 10 customer reviews
Best Sellers Rank: #373,523 in Books (See Top 100 in Books) #265 inÃ Â Books > Science & Math > Physics > Electromagnetism #575 inÃ Â Books > Education & Teaching > Schools & Teaching > Instruction Methods > Science & Technology

Customer Reviews

2005 Association of Educational Publishers Winner --Association of Educational Publishers

As a teacher I find this book to be absolutely wonderful. I teach third grade and even though much

of the material this book covers goes way over my student’s heads, the book has helped me to really understand the concepts behind electricity and magnetism. Prior to reading this book I did not fully understand the link between magnets and electricity. I now have an entirely new outlook on the world around me. So many things that never made sense about electricity (and magnets) are very clear.The author does a great job of really dumbing down the material, but at the same time, he teaches you a lot. It’s really up to you how much you want to learn. He will give all sorts of formulas to understand the material if you want to go that far, or if you just want to understand how things work, he will give examples that anyone can follow.I am buying all of his other books just to read and enjoy. Many times while reading I found myself chuckling at his jokes, while also saying "Ahhh, now I get it."I highly recommend this book to anyone teaching these topics or just wanting to understand them better.

I am an Electrical Engineer who has been teaching electronics and engineering since 1990. I actually learned a few things, and learned how to more easily explain others.

If you a teacher and want to not only know the content of your curriculum very well, but get a good idea about how to teach it effectively, NSTA press books are a great resource. So glad I picked this up.

This is a good introductory book to learn about the basics of elictricity and magnetisim. This book is supported by the national science teachers association.

Some of the finer points of E&M are still mysterious to me, but on the whole this book was great and gave plenty of good visuals. I feel like a have a stronger foundation of understanding now.

it is a fun read

I haven’t finished this book yet but so far it is an excellent way to learn electricity and magnetism. Looking forward to reading more in this series.

I picked up this book to help me coach my daughter’s science olympiad team. It was helpful, but annoying to read. I liked the experiments in the book, and the explanations were pretty accurate---but the chatty- folksy tone (i.e., "by now I’m sure I’ve overloaded you with information" or

"I’m sure this will confuse you" or "I’m sure you’re ready for a break") was condescending and made the book somewhat tedious. I don’t know much about electricity but I’m not an idiot either. It seemed to take a lot of pages to explain fairly basics concepts because the author kept apologizing for how confusing they were...

Download to continue reading...

Electricity And Magnetism: Stop Faking It! Finally Understanding Science So You Can Teach It Force and Motion: Stop Faking It! Finally Understanding Science So You Can Teach It Energy (Stop Faking It! Finally Understanding Science So You Can Teach It) Light (Stop Faking It! Finally Understanding Science So You Can Teach It series) Electricity and Magnetism, Grades 6 - 12: Static Electricity, Current Electricity, and Magnets (Expanding Science Skills Series) Glencoe Physical iScience Modules: Electricity and Magnetism, Grade 8, Student Edition (GLEN SCI: ELECTRICITY/MAGNETIS) Electricity and Magnetism (Usborne Understanding Science) Stop Smoking: Now!! Stop Smoking the Easy Way!: Bonus Chapter on the electronic cigarette! (Quit Smoking, Stop Smoking, Blood Pressure, Heart Disease, Lung Cancer, Smoking, Stop) Shocking! Where Does Electricity Come From? Electricity and Electronics for Kids - Children’s Electricity & Electronics What Are Insulators and Conductors? (Understanding Electricity) (Understanding Electricity (Crabtree)) 25 Uses of Electricity 4th Grade Electricity Kids Book | Electricity & Electronics Understanding Physics (Motion, Sound, and Heat / Light, Magnetism, and Electricity / The Electron, Proton, and Neutron) WhatÃ¢â ¬â„¢s Your Excuse? Proven Step-by-Step Guide on How to Finally Quit Smoking!: Quit Smoking tips, Stop Smoking timeline, How to Quit Smoking easy, How to Stop Smoking for life Smoking: Stop Smoking for Life! - The Easiest Way to Finally Quit Smoking: Stop Smoking, Quit Smoking (Addictions, Addiction Recovery, Quit Smoking, Cigarettes, Tobacco) Understanding Physics: Volume 2: Light, Magnetism and Electricity Electricity and Magnetism (Understanding Geography Series) Pyramid science and the unified field: a series of papers on magnetism, bioelectricity and electricity Electricity And Magnetism (Reading Essentials in Science) Electricity and Magnetism (Usborne Understand Science) A Project Guide to Electricity and Magnetism (Physical Science Projects for Kids)

Contact Us

DMCA

Privacy

FAQ & Help