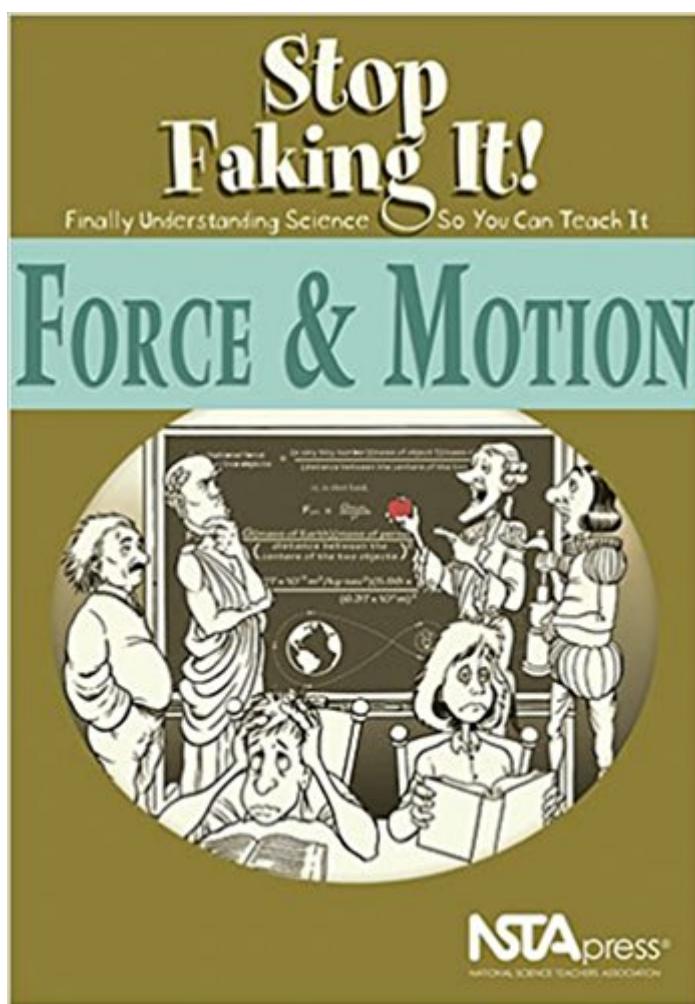


The book was found

Force And Motion: Stop Faking It! Finally Understanding Science So You Can Teach It



Synopsis

Intimidated by inertia? Frightened by forces? Mystified by Newton's law of motion? You're not alone and help is at hand. The Stop Faking It! Series is perfect for science teachers, home-schoolers, parents wanting to help with homework all of you who need a jargon-free way to learn the background for teaching middle school physical science with confidence. With Bill Robertson as your friendly, able but somewhat irreverent guide, you will discover you CAN come to grips with the basics of force and motion. Combining easy-to-understand explanations with activities using commonly found equipment, this book will lead you through Newton's laws to the physics of space travel. The book is as entertaining as it is informative. Best of all, the author understands the needs of adults who want concrete examples, hands-on activities, clear language, diagrams and yes, a certain amount of empathy. Ideas For Use Newton's laws, and all of the other motion principles presented in this book, do a good job of helping us to understand, explain, and predict the world around us. We can use them to get to the Moon, design roller coasters, and develop safety regulations for cars. However, there are situations in this book where all the motion stuff is just plain wrong-- as a result of Albert Einstein's corrections to the law of motion--which will be addressed in another Stop Faking It! book. Additional Info Science Discipline: (mouse over for full classification) Acceleration Friction Gravity Inertia Mass Newton's laws of motion Speed Vectors Velocity Experimenting Using mathematics Intended User Role: Curriculum Supervisor, Elementary-Level Educator, Middle-Level Educator, Parent, Professional Development Provider, Teacher Educational Issues: Classroom management, Curriculum, Informal education, Inquiry learning, Instructional materials, Professional development, Teacher content knowledge, Teacher preparation Contents Preface SciLinks Chapter 1: Newton's First One Chapter 2: In Which We Describe Motion and Then Change It Chapter 3: Newton's Second One Chapter 4: There's No Such Thing as Gravity The Earth Sucks Chapter 5: Newton's Third Chapter 6: Round and Round and Round In the Circle Game Chapter 7: To the Moon, Alice! Glossary Index

Book Information

Series: Stop Faking it! Finally Understanding Science So You Can Teach it

Paperback: 94 pages

Publisher: National Science Teachers Association; 1 edition (April 1, 2002)

Language: English

ISBN-10: 0873552091

ISBN-13: 978-0873552097

Product Dimensions: 0.2 x 7 x 10.2 inches

Shipping Weight: 8 ounces (View shipping rates and policies)

Average Customer Review: 4.4 out of 5 stars 8 customer reviews

Best Sellers Rank: #83,149 in Books (See Top 100 in Books) #100 in Books > Engineering & Transportation > Engineering > Energy Production & Extraction #131 in Books > Education & Teaching > Schools & Teaching > Instruction Methods > Science & Technology #316 in Books > Science & Math > Nature & Ecology > Conservation

Customer Reviews

If I only knew then, what I know now. This past school year, I was asked to teach my fifth graders a science unit on Motion and Design. Having very little physical science content knowledge, I was uncomfortable answering any questions throughout the unit. I just wish I would have known about this book before. This book is written in an easy-to-understand and often humorous manner. Each chapter contains a simple experiment with household items followed by a straightforward explanation of the science concepts behind the experiment. Thanks to this quick read, I have a greater understanding and more confidence in my ability to teach Newton's Laws of Motion.

--Reviewed by: Heather S on June 20, 2009 Teach Force and Motion with Humor. If you are seeking a book to build background knowledge and conceptual understanding of force and motion, look no further. William C. Robertson covers all the bases, including simple object lessons, with delightful humor. You will be thrilled with this book, and your students will really understand and not need to "fake it" at all! --Reviewed by: Karen McCollister (McKinney, TX) on July 15, 2008 I enjoyed the author's humorous way of presenting something so serious. It is inquiry build (except the given answers). I used the activities presented by the author to give as many opportunities as possible to my students for building an operational definition for force or motion...In addition, this book gave me something we rarely do in the classroom...apply the concepts of force and motion outside of the classroom...Awesome book. --Reviewed by: Daniela Thornton (Colbert, WA) on November 6, 2007

These books are great for teachers and parents. I was able to understand physics concepts more clearly after reading these books. This is definitely something every science teacher should have in their library.

Not quite what I expected but good for anyone who has very little knowledge of the subject matter.

This book was very useful as a teacher resourceÃ¢Â¢ the information is clearly written and presented along with some experiments that were easy to put together in my classroom.

A fun way to learn or brush up on Newtonian physics. I recommend this book to anyone interested in physics.

Great product, service and I would recommend it to friends.

So helpful

Thanks so much for the perfect book. Even though it was listed as used it is in perfect condition.

I've never even come close to understanding even one of Newton's laws. I only made it through Physics in college because my brother-in-law is a science whiz, and I took the course over the internet. I am so happy to have come across this book though. For the first time in my life, I think I get it! Robertson's explanations address all of my (to what some people may believe) silly questions respectfully - as if I am the one who is logical for questioning and not grasping it! He explains the rationale behind the concepts in a humorous (sometimes laugh out loud) way - and I walked away wishing I could take a stab at that college physics class once more.

[Download to continue reading...](#)

Force and Motion: Stop Faking It! Finally Understanding Science So You Can Teach It Electricity And Magnetism: 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) 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) Whatâ™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) (Army Air Force and U.S. Air Force Decorations) Decorations, Medals, Ribbons, Badges and Insignia of the United States Air Force: World War II to Present, 2nd Edition Knowing the Score: What Sports Can Teach Us About Philosophy (And What Philosophy Can Teach Us About Sports) What They Didn't Teach You In Photo School: The secrets of the

trade that will make you a success in the industry (What They Didn't Teach You In School) Get Your Sh*t Together: How to Stop Worrying About What You Should Do So You Can Finish What You Need to Do and Start Doing What You Want to Do Get Your Sh*t Together: How to Stop Worrying About What You Should Do So You Can Finish What You Need to Do and Start Doing What You Want to Do (No F*cks Given Guide) Get Your Sh*t Together: How to Stop Worrying About What You Should Do So You Can Finish What You Need to Do and Start Doing What You Want to Do (A No F*cks Given Guide) Gambling Addiction: One Last Game!: How To Stop Gambling And Finally Get Your Life Back Reflux: Finally free: Stop heartburn and excessive acid in less than a week with these 3(+1) natural methods along with a tasty diet. (Acid Reflux) Skin Picking: The Freedom to Finally Stop Herpes: The Ultimate Beginners Guide To Eliminating Herpes: How You Can Overcome Herpes And Finally Enjoy Your Sex Life (Herpes, Cold Sore, How To Cure ... Cure, Genital Herpes, Herpes Simplex,) Dream Journal: Dream Interpretations, Dream Meanings & Dream Analysis You Can Do Each Day to Finally Understand Your Subconscious What They Didn't Teach You in Art School: How to survive as an artist in the real world (What They Didn't Teach You In School) Can't Stop Won't Stop: A History of the Hip-Hop Generation

[Contact Us](#)

[DMCA](#)

[Privacy](#)

[FAQ & Help](#)