



Physics and Technology for Future Presidents: An Introduction to the Essential Physics Every World Leader Needs to Know

Richard A. Muller

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"Physics and Technology for Future Presidents" contains the essential physics that students need in order to understand today's core science and technology issues, and to become the next generation of world leaders. From the physics of energy to climate change, and from spy technology to quantum computers, this is the only textbook to focus on the modern physics affecting the decisions of political leaders and CEOs and, consequently, the lives of every citizen. How practical are alternative energy sources? Can satellites really read license plates from space? What is the quantum physics behind iPods and supermarket scanners? And how much should we fear a terrorist nuke? This lively book empowers students possessing any level of scientific background with the tools they need to make informed decisions and to argue their views persuasively with anyone--expert or otherwise.

Based on Richard Muller's renowned course at Berkeley, the book explores critical physics topics: energy and power, atoms and heat, gravity and space, nuclei and radioactivity, chain reactions and atomic bombs, electricity and magnetism, waves, light, invisible light, climate change, quantum physics, and relativity. Muller engages readers through many intriguing examples, helpful facts to remember, a fun-to-read text, and an emphasis on real-world problems rather than mathematical computation. He includes chapter summaries, essay and discussion questions, Internet research topics, and handy tips for instructors to make the classroom experience more rewarding.

Accessible and entertaining, "Physics and Technology for Future Presidents" gives students the scientific fluency they need to become well-rounded leaders in a world driven by science and technology.

Professors: A supplementary Instructor's Manual is available for this book. It is restricted to teachers using the text in courses. For information on how to obtain a copy, refer to: http://press.princeton.edu/class_use/solutio...

Physics and Technology for Future Presidents: An Introduction to the Essential Physics Every World Leader Needs to Know Details

Date : Published April 12th 2010 by Princeton University Press (first published December 31st 2006)

ISBN : 9781400835317

Author : Richard A. Muller

Format : ebook 536 pages

Genre : Science, Physics, Nonfiction, Reference



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Emma Kelly says

I was pleasantly surprised with how well written the book was. Dr. Muller managed to simplify and explain many complex scientific concepts for the lay reader.

Ross Killion says

Should be required reading for everyone.

Nancy Mark says

All the basic science behind issues that face policy makers. A great way to sort out the propaganda for yourself.

Kate Blumenthal says

I've just started and I don't want to put it down. However I have to put on the to-read shelf as other books have, in fact, taken over.

Aziizsut says

Definitely a good physics book. It covered major aspects in everyday physics and written in a casual way which makes it suitable for policy maker

Robert says

Good book, a must read for informed discussion some major issues . At Cal, took an advanced class from the author where he demonstrated the ability to explain hard topics clearly.

Christine Laymon says

Definitely one of my favorite textbooks!

Molly says

Great for my students!

Katerina says

This book offers an overview of physics, from mechanics to quantum, at the everyday, practical level. If you want to know how the physics of light or relativity affect your life this is the physics book to pick up. That being said, it is a textbook so, while well-written, it does not read like a popular book on physics. Where I see this book fitting best is with high school students who want some practical insights to go along with the physics they are studying. I think most students would enjoy it; it is written with good humor.
