



Science Myths Unmasked: Exposing Misconceptions and Counterfeits Forged by Bad Science Books (Vol. 2: Physical Science)

By David Isaac Rudel

Gadfly Press, United States, 2011. Paperback. Book Condition: New. 208 x 147 mm. Language: English . Brand New Book ***** Print on Demand *****.In Science Myths Unmasked Volume 2, David Rudel continues to expose common errors in science education. This sequel takes the discussion into the realm of physical science, rectifying commonly taught misconceptions about topics covered in chemistry and physics courses, including combustion, simple machines, states of matter, phase changes, electricity, and light. Rudel's accessible style makes Science Myths Unmasked a worthwhile read for life-long learners and a great gift for bright high school students interested in all the myths they have been taught by inaccurate textbooks. State-adopted textbooks perpetrate (and perpetuate) a shocking degree of misinformation, largely because they are less interested in conveying accurate science than in training students to bubble in the right oval on multiple-choice, standardized tests. Rudel provides thorough background for each topic, empowering science teachers to sculpt the material to match the needs of their students. Numerous illustrations and suggested experiments complement the coverage, portraying precisely why many standard explanations are false and how we can better fulfill our obligation to provide genuine science to middle school and high school students.



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