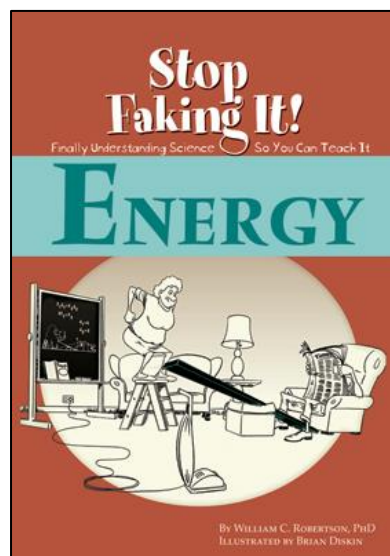


Energy: Stop Faking It! Finally Understanding Science So You Can Teach It

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Summary

Confounded by kinetic energy? Suspect that teaching about simple machines isn't really so simple? Exasperated by electricity? If you fear the study of energy is beyond you, this entertaining book will do more than introduce you to the topic, it will help you understand it.

At the book's heart are easy-to-grasp explanations of energy basics, including work, kinetic energy, potential energy and the transformation of energy, as well as explanations of energy as it relates to simple machines, heat energy, temperature and heat transfer. Irreverent author Bill Robertson suggests activities that bring the basic concept of energy to life with common household objects.

Each chapter ends with a summary and an applications section that uses practical examples such as roller coasters and home heating systems to explain energy transformations and convection cells. The final chapter brings together key concepts in an easy-to-grasp explanation of how electricity is generated.

Energy is the second book in the *Stop Faking It!* Series. Titles in the series are written with clarity, creative flair and special empathy for science teachers and parents in search of a stress-free way to learn the basics.

Other Resources

- *Light: Stop Faking It! Finally Understanding Science So You Can Teach it* (NST9891)
- *Force and Motion: Stop Faking It! Finally Understanding Science So You Can Teach it* (7446)
- *Companion Classroom Activities for Stop Faking It! Force and Motion* (NST7040)
- *Hands on Science Series: Simple Machines, Years 7-10* (WAL8587)