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Review

- "An invaluable resource for any instructor interested in creating a physics class where students are actively engaged in learning and applying physics. The book is filled with specific suggestions on teaching individual topics in addition to an excellent summary and overview of teaching strategies based on physics education research."

- "One of the most complete and helpful books on teaching introductory physics that I have ever come across. Not only does it provide thoughtful suggestions about how to improve your course topic by topic, it provides a marvelous primer on educational research into how students learn (or fail to learn) physics."

"I have used the great ideas from this book over the last few years. It contains excellent summaries of research into students' learning and offers lots of helpful and specific advice on how to bring the ideas that have emerged from this research into your classroom. It is a valuable resource for improving students' learning."

From the Back Cover

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About the Author

Randy Knight has taught introductory physics for more than 20 years at Ohio State University and California Polytechnic University, San Luis Obispo, where he is currently Professor of Physics. Professor Knight received a bachelor's degree in physics from Washington University in St. Louis and a Ph.D. in physics from the University of California, Berkeley. He was a post-doctoral fellow at the Harvard-Smithsonian Center for Astrophysics before joining the faculty at Ohio State University. It was at Ohio State, under the mentorship of Professor Leonard Jossem, that he began to learn about the research in physics education that, many years later, led to this book. Professor Knight's research interests are in the field of lasers and spectroscopy. He recently led the effort to establish an environmental studies program at Cal Poly, where, in addition to teaching introductory physics, he also teaches classes on energy, oceanography, and environmental issues.

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