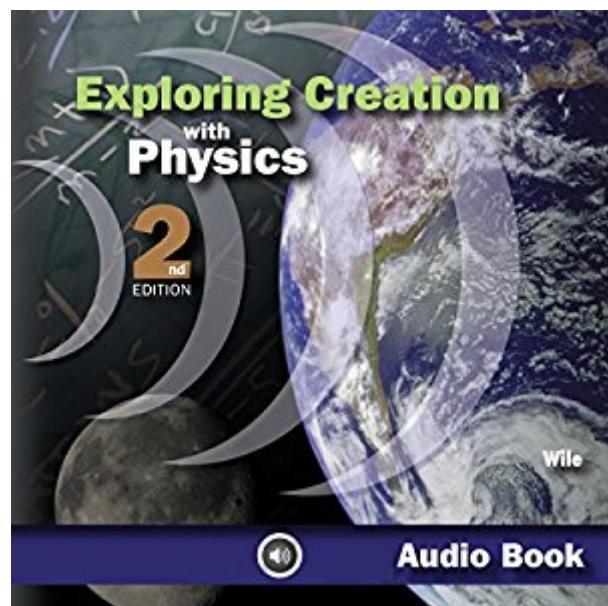


The book was found

Exploring Creation With Physics



Synopsis

This college-prep physics course is designed for the student who has completed algebra and has had an introduction to the definitions of sine, cosine, and tangent. It provides a detailed introduction to the methods and concepts of general physics. Heavily emphasizing vector analysis, this text is ideal preparation for a university-level physics course. It provides the student with a strong background in one-dimensional and two-dimensional motion, Newton's laws and their application, gravity, work and energy, momentum, periodic motion, waves, optics, electrostatics, electrodynamics, electrical circuits, and magnetism.

Book Information

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Customer Reviews

Obviously anyone that has a different agenda and purpose for purchasing this book will write a different review. I purchased this text on a trial basis for my 9.5 yo homeschooled gifted son. My first encounter with Physics was when I took Physics at 15 so it had been 20 years ago plus the textbook and the teacher weren't that impressive. My background is in International Business. My first choice would have been Conceptual Physics by Paul Hewitt just to expose him to the concepts first before the Math computation. So I needed to have a good book and a good teacher wrapped into one. I am pleased with the text so far. It contains 16 modules which cover topics in Motion, Newton's Laws, Uniform Circular Motion and Gravity, all the way up to Magnetism. I like the fact that the author explains the concepts as if he is right there sitting next to the student as opposed to a dry, impersonal textbook approach of a traditional author. The laboratory part of the text is immediately after the lecture pages; the important terms and definitions, though highlighted, are

easy to remember because the author explains them all in such a way that the young student can understand them without grappling with rote memorization of definitions. The author's love and knowledge of the subject clearly shows in the way he uses simple, everyday examples to explain concepts that some people might find difficult. He writes with a warm tone which is pleasant to read and nurturing almost. This is an important aspect for students who might be intimidated with taking an upper-level science course. We're talking about educating a young child who is developing a love of science including Astronomy.

This textbook was specifically designed for homeschooling families, so the whole package assumes that a person is doing the experiments out of their home and that they may or may not have access to a physics teacher. Many other science textbooks assume that a teacher is available and leave out the details. The whole curriculum package includes the textbook, solutions and test manual, CD that demonstrates physics concepts and the lab experiments, and a DVD that contains 20 hours of lectures as well as the demonstration of all the lab experiments. One can also buy a science supply kit that contains all of the materials needed to conduct the experiments in this book from various distributors on the internet. As for the content, this book covers all of the topics that are included in the AP Physics 1 Algebra Based test (1st semester). This book does NOT cover most of the materials for the AP Physics 2 Algebra Based test (2nd semester). The AP board expects that AP Physics 1 Algebra would be taught over a whole school year, so this book does cover a year of lab based physics. There are 16 modules, but only 14 of them are included in the AP Physics 1 Algebra test. If a module takes approximately 2 weeks to complete estimating one hour each day, it would take 28 weeks to complete this curriculum. The AP test is at the beginning of May, so there is plenty of time to complete the material for the AP test without overexerting yourself. The last two modules (optics and magnetism) can be covered after the AP exam, so the whole book is completed. The Advanced Physics with Creation (next physics book in this series) is a Calculus based curriculum, so someone is looking for the material for the AP Physics 2 Algebra Based are going to have to go with a different publisher.

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