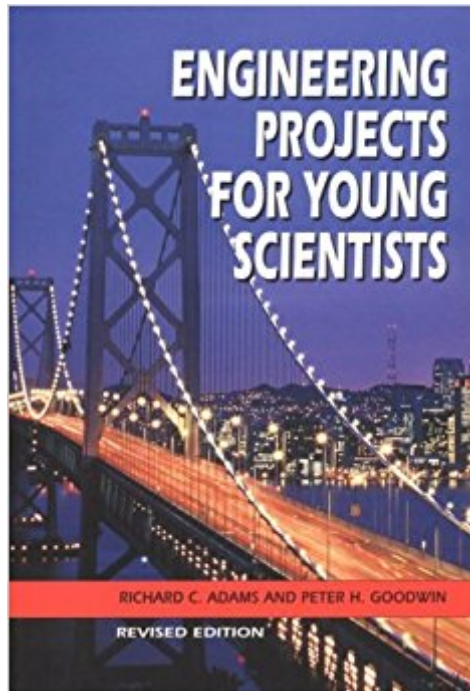




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Engineering Projects For Young Scientists



Synopsis

Presents practical problems and science fair projects related to engineering and physics, covering such subjects as force, friction, motion, sound waves, light waves, and mechanics. --This text refers to an out of print or unavailable edition of this title.

Book Information

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Customer Reviews

Grade 9-12 After a brief explanation of the relationship between physics and engineering, Goodwin presents a wide range of projects and experiments in force, friction, motion, mechanics, sound, and light waves. Most of these are quite complex and will require some understanding of basic physics principles and scientific methods to be completed. Many also require considerable time and energy, and access to materials normally found in high-school physics laboratories. The practicality of a few projects, such as trying different brands of skis and waxes to test surface friction, are limited in this case by geography, athletic ability, and financial resources. Some projects may be more accessible or beneficial as topics for classroom discussion and hypothesizing. Diagrams are clear and instructive, but photographs are of uneven quality and contribute little. These are definitely projects for "young scientists," not all young students. Physics projects for younger or less-informed students are found in books such as Zubrowski's *Raceways* (Morrow, 1985) and Cherrier's *Fascinating Experiments in Physics* (Sterling, 1978; o.p.). Although the audience for Goodwin's book is limited, it is an excellent supplement to high-school physics curricula, and a stimulating challenge to young physicists. Allen Meyer, Vernon Area Public Library District, Prairie View, Ill. Copyright 1988 Reed Business Information, Inc. --This text refers to an out

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