

AP Advantage: Physics C



Synopsis

This book reviews content from recent AP Physics exams. The book contains everything students need to prepare for success on the AP exam, including:

- * Numerous worked-out examples and practice exercises with clear explanations
- * Specific test-taking strategies for free-response and multiple-choice sections of the exam
- * Complete practice tests with explanations

Book Information

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Customer Reviews

James Mooney has been a faculty member at The Taft School in Watertown, Connecticut, since 1986, serving as physics instructor and science department chairperson. During the summer months he leads workshops on the Physics B and C curricula at the Taft Education Center.

Bought this for my son (see Feynman review) and he scored a seven on the IB Physics C- without taking the class. It was really expensive but so worth it for us.

This is probably the best AP physics C book ever written and I think if you purchase this and review it and work out every practice problem you'll score 5's on both exams

Excellent book!

The book really does not have a lot of problems to solve. If I want the theory, I would choose a good text book.

I took the AP Physics B class as a junior in high school and got a 5 on the exam. I also got an 800 on the SAT2 in physics. I planned on going to college to study a field of engineering, which would require calculus-based physics. However, my high school did not have a course in physics C, and I wanted to place out of the introductory mechanics and E&M courses at my university. I therefore decided to self-study for the Physics C: Mechanics and Physics C: E&M exams. This prep book is the reason I got 5s on both of those exams despite not having taken a class in calculus-based physics. Its explanations are clear, and it has practice problems that closely resemble the conceptual nature of the multiple choice section of the AP exams. This is something that a lot of prep books miss out on. (It, of course, has good free response practice, which most prep books hit well.) If I was able to teach myself the content of these exams via this prep book, you will be able to reinforce a full-year class via this prep book.

I bought several AP Physics books to supplement my daughter's physics class at school. After buying 4 AP guides, 2 textbooks, looking up the openly available free response questions for the last 7 years, and the available multiple choice questions, I found this book to be the best guide for the Physics C exam. The author does an excellent job of presenting the material in a way that is very similar to the material available from prior actual tests. There is no doubt that the author's strength is in the calculus based approach to the exam (which after all is what the Physics C exam is supposed to be about). His methods are clearly presented and easily understood. Importantly, he doesn't overly focus on the mathematics by presenting every possible physics - calculus connection. Just the ones that you need to know. The physics concepts themselves are also well done. The problems are quite clever but yet test the simple concepts of physics well. My impression is that the actual test is similar in this regard. In essence the format is (a) do you know the concept that is being tested?, (b) can you efficiently solve the problem in one, two, or three steps? The author is able to reproduce this format. My last piece of advice is to avoid the fairly basic guides claiming to cover both the Physics B and C exams, as they are good for the Physics B but NOT for the Physics C exam. This book is far superior (see my other reviews).

This is a great review for the AP Physics student! Mooney does a great job condensing the material tested in the Physics C exam in both the Mechanical and E&M areas and provides great examples to drive home the concepts. I would suggest this book to any student as a supplement to their classroom textbooks.

If I remember correctly, James Mooney has taught physics to boarding school kids in New England for 20 years, so there's no doubt that this book is as good as, possibly even better than, Princeton Review, which most people buy for AP Physics. There were two reasons why I chose to use this book although I owned PR as well. This book is twice as thin as Princeton Review. Some may attribute PR's thickness to the fact that it contains materials for both B and C. However, the apparent thickness is important because it often determines whether one finishes a book. Secondly, the pages were white. In other words, the book was not made from recycled paper (like PR). This feature had a cathartic effect on my studying. Had I chosen to stare at gray-looking pages for eleven hours on one particular Sunday I remember, I would have thrown it at the wall.

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