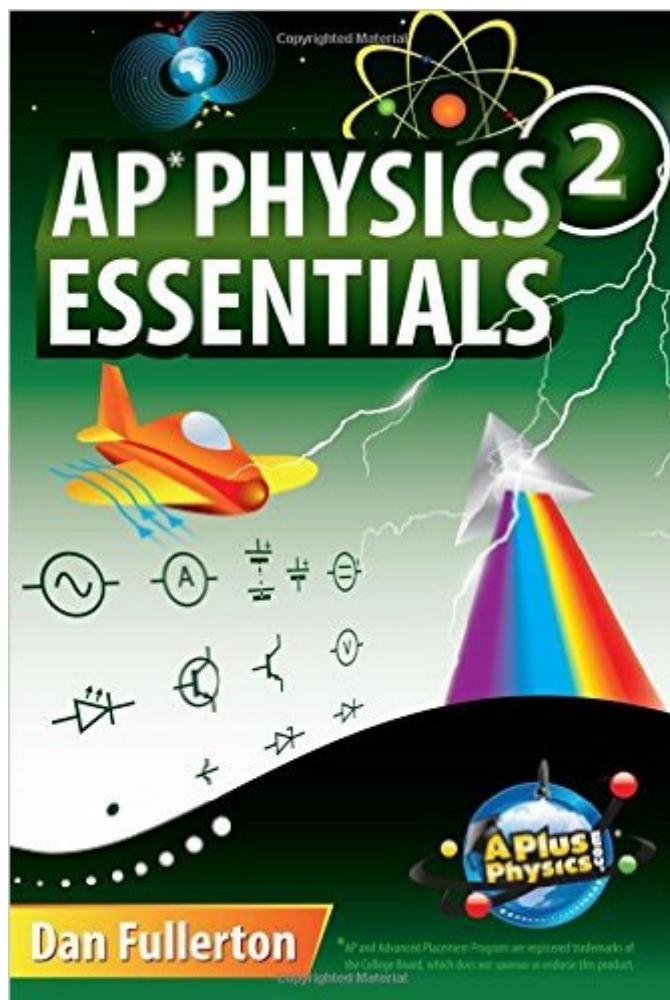


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# AP Physics 2 Essentials: An APlusPhysics Guide



## Synopsis

"The best physics books are the ones kids will actually read." AP Physics 2 Essentials is an easy-to-read companion to the AP Physics 2 curriculum, featuring more than 450 worked-out problems with full solutions. AP Physics 2 Essentials covers all major topics of the AP Physics 2 course, including fluids, thermal physics, electrostatics, circuits, magnetism, optics, and modern physics. AP Physics 2 Essentials is integrated with the APlusPhysics.com website, which includes online question and answer forums, videos, animations, and supplemental problems to help you master the essential concepts of physics. This book is designed to assist physics students in their high school AP Physics courses both as a guide throughout the course as well as a review book to assist in end-of-course exam preparation. Its focus is on providing the bare bones, essential concepts necessary for success in the course in a straightforward and easy-to-read manner, leaving development of in-depth problem solving and lab work to the classroom, where it is most effective. In short, this is not intended as a substitute for a standard textbook or course, but rather as an invaluable supplementary resource. This book includes more than 60 AP-style problems to test your understanding and help prepare you for the AP Physics 2 Exam. Additional supplemental problems are available on the APlusPhysics website.

## Book Information

Paperback: 336 pages

Publisher: Silly Beagle Productions; 1 edition (March 3, 2015)

Language: English

ISBN-10: 099072431X

ISBN-13: 978-0990724315

Product Dimensions: 6 x 0.8 x 9 inches

Shipping Weight: 1.3 pounds (View shipping rates and policies)

Average Customer Review: 4.1 out of 5 starsÂ  See all reviewsÂ  (12 customer reviews)

Best Sellers Rank: #45,583 in Books (See Top 100 in Books) #58 inÂ  Books > Science & Math > Science for Kids #120 inÂ  Books > Textbooks > Science & Mathematics > Physics #122 inÂ  Books > Education & Teaching > Higher & Continuing Education > Test Preparation > Advanced Placement

## Customer Reviews

I have taken AP Physics 1 in May 2014, and I received a Three. I realized after that that my studying process was off. I would always study the math, the equations, and the numbers of physics, but

never the concepts - so once it came to the multiple choice, I was a failure. Now, I am studying for AP Physics C, and also AP Physics 2, and i can tell you this book is pretty good. I am understanding the concepts behind the gas laws, the constants of pressure and volume, and also the electricity and magnetism part is a good intro before you pull out the real AP Physics C book with calculus. Remember, formulas are great, but trust me, the AP physics multiple choice questions are more about the concepts underlying physics than mathematical problems. I believe this book does a little bit of both, and i would recommend it to most people. I would also recommend Cracking the AP Physics C Exam, 2015 edition. If i had studied the concepts, i most likely would have received a 4. I am working towards that 5 on AP Physics 2, and at least a 4 on AP Physics C: Mechanics.

As a teacher I am always struggling with finding meaningful/real-world connections for students. This text provides students with a clear road to understand some very difficult concepts while giving them the tools necessary to relate the material to the real world. From math review to optics, the author has managed to elaborate on not just the basic principles of physics, but on its overall significance. In this manner, students can apply these skills to not only an AP exam but to college and beyond.

I am a high school AP Physics teacher and use this book every day. It is a great starting point for students to begin to learn the necessary content to be able to answer the conceptually based questions on the new AP exam.

This book makes AP Physics easily accessible for both students and teachers alike. Would definitely recommend to all students who are currently struggling with Physics, and to all teachers who want a better way of explaining concepts to their students.

This book contains a lot of helpful information. This book help to better understand AP Physics 2. Highly recommended.

This book has the entire ap physics 2 curriculum, every topic is covered fully and in detail.

Comprehensive review

Very interesting and well used technical information.

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