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# **Ap Physics 1 Course Overview College Board**

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newest edition of  
this title, Princeton  
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2020). Publisher's  
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authenticity, and may not include access to online tests or materials included with the original product. This 5" by 7" paperback is a section-by-section capsule of the textbook that provides a handy guide for looking up important

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concepts,  
equations, and  
problem-solving  
hints.

Laboratory  
experiences as a  
part of most U.S.  
high school science  
curricula have  
been taken for  
granted for  
decades, but they  
have rarely been  
carefully examined.

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What do they contribute to science learning?  
What can they contribute to science learning?  
What is the current status of labs in our nation's high schools as a context for learning science? This book looks at a range of questions about

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how laboratory experiences fit into U.S. high schools: What is effective laboratory teaching? What does research tell us about learning in high school science labs? How should student learning in laboratory experiences be

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assessed? Do all student have access to laboratory experiences? What changes need to be made to improve laboratory experiences for high school students? How can school organization contribute to effective laboratory

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teaching? With  
increased attention  
to the U.S.

education system  
and student  
outcomes, no part  
of the high school  
curriculum should  
escape scrutiny.

This timely book  
investigates factors  
that influence a  
high school  
laboratory



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experience, looking closely at what currently takes place and what the goals of those experiences are and should be.

Science educators, school administrators, policy makers, and parents will all benefit from a better

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understanding of  
the need for  
laboratory  
experiences to be  
an integral part of  
the science curricul  
um and how that can be  
accomplished.

AP Biology  
Premium Prep,  
2021, previously  
titled Cracking the  
AP Biology Exam,

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Premium Edition,  
will now include a  
total of 6 full-length  
practice tests. The  
Premium edition  
continues to  
provide students  
with  
comprehensive  
topic reviews of all  
AP Biology  
subjects, from  
photosynthesis to  
genetics to

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evolution. It also includes strategies for all AP Biology question types, including grid-in and short free-response questions, and contains detailed guidance on how to write a topical, cohesive, point-winning essay. This Premium edition

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now includes 6 full-length practice tests (4 in the book and 2 online) for the most practice possible.

Advanced  
Placement Physics  
1

Princeton Review  
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With 2 Practice

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Tests

Practice Tests +  
Complete Content  
Review +  
Strategies &  
Techniques

Mechanics

5 Steps to a 5: AP  
Physics 1 "Algebra-  
Based" 2021 Elite  
Student Edition

**According to the  
statistics published**

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by the College  
Board, the pass rate  
on the AP Physics 1  
exam is the lowest of  
any AP exam. Only  
40.6% of the  
students pass the  
exam and only 5.7%  
of the students get a  
5. For the last eight  
years the majority of  
students I tutored for

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the AP Physics test  
obtained a score  
between 3 and 5. My  
secret is simple: I do  
rapid content review  
but more  
importantly, I walk  
students through the  
process of answering  
free response  
questions. The free  
response questions



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are unique; few physics books and courses can prepare you for them. This book will teach you the patterns of the AP test by providing guided solutions to prior official AP exams. Although short answers from the College Board

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are available, they lack explanations and many students do not find them helpful. Note: we cannot republish the AP Exam questions, but you can download them from the provided link to the pdf. Problems are broken down into

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sections that allow you to identify which segments are relevant to you. Each problem includes: a discussion of the key concepts, a review of the relevant physics, guidance on identifying the correct equation, step-by-step algebra

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instruction, and a section which coaches you to maximize partial credit. If you are need to prepare for the AP exam as fast as possible, the Kweller Prep AP Physics book is your best option. This book includes: Color

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coded sections with  
detailed diagrams.

Step-by-step answers  
to official

2015-2019 AP free  
response questions.

Six additional free  
response questions

which precisely  
mimic the AP

exam's style. Rapid  
review on the most

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tested topics

including: projectile  
motion, free body  
diagrams, inclined  
planes, Atwood's  
machine,  
conservation of  
energy, simple  
harmonic motion,  
rotational motion,  
waves, electric  
circuits, etc. Easy to

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language - the

Kweller Prep book  
was written with  
student guidance and  
feedback.

By studying only  
what you need to  
know, you will make  
the most of your  
study time. Johnson  
shares test-taking

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strategies, defines  
key terms you must  
know, and helps you  
pinpoint your  
strongest areas and  
those in need of  
further study--  
"Microbiology  
covers the scope and  
sequence  
requirements for a  
single-semester



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microbiology course  
for non-majors. The  
book presents the  
core concepts of  
microbiology with a  
focus on applications  
for careers in allied  
health. The  
pedagogical features  
of the text make the  
material interesting  
and accessible while

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maintaining the  
career-application  
focus and scientific  
rigor inherent in the  
subject matter.

Microbiology's art  
program enhances  
students'  
understanding of  
concepts through  
clear and effective  
illustrations,

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diagrams, and  
photographs.

Microbiology is  
produced through a  
collaborative  
publishing  
agreement between  
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American Society  
for Microbiology  
Press. The book  
aligns with the

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guidelines of the  
American Society  
for

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Campus website.

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immensely popular  
test prep guide has  
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revised with new  
material and is now  
accessible in print,  
online and mobile  
formats. 5 Steps to a  
5: AP Physics 1:  
Algebra Based  
introduces an easy to  
follow, effective  
5-step study plan to  
help you build the  
skills, knowledge,

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and test-taking  
confidence you need  
to achieve a high  
score on the exam.  
This essential guide  
reflects the latest  
course syllabus and  
includes three full-  
length practice  
exams, plus the most  
up-to-date scoring  
information. A

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bonus interactive AP

Test Planner app

delivers a

customizable study

schedule and extra

exam practice to

your mobile device.

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Physics 1: Algebra

Based 2020 features:

- 3 Practice Exams (2 in the book +1 online



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- Comprehensive overview of the AP Physics 1 Exam format
- Access to the entire Cross-Platform Prep Course in AP Physics 1
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customizable AP  
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readiness • Flashcards  
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The College Physics  
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engage students in  
their exploration of  
physics and help  
them apply these  
concepts to the  
Advanced

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assess your test

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**Edition features:** •

**New: “5 Minutes to a 5” — Concise activities**

**reinforcing the most important AP concepts and presented in a day-to-day study**

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**(2 in the book + 1  
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tests with  
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**strategies to avoid  
traps and beat the  
test \* Tips for  
pacing yourself  
and guessing  
logically \* Essential  
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work smarter, not  
harder Everything  
You Need to Know  
to Help Achieve a  
High Score. \***  
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coverage of**

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dynamics,  
Newton's laws,  
work, energy,  
rotational motion,  
electrostatics, DC  
circuits,  
mechanical waves,  
sound, and more \*  
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with the latest  
College Board  
standards \* Tons of  
charts and figures**



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**to illustrate  
concepts \* Access  
to study plans, a  
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physics and  
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**2021**

**Your Guide to  
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Essentials**

**The AP Physics C  
Companion**

**Explore and Apply**

Author Gay Stewart  
is well known and  
respected in the AP  
and Physics

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communities. It is the first text to integrate AP skill building and exam prep into a college-level textbook. Each section of the text offers unique skill-building approach to problem solving in

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The Takeaway: Tier  
1: Key concepts  
covered in each  
section + review  
questions of these  
concepts Tier 2: AP  
Skill Building  
problems with  
bolded verbs that  
students will see on  
the AP exam (i.e.  
justify, calculate,

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etc.) Tier 3: AP

Skills in Action

problems that allow students to put their developing skills to practice Making physics accessible to all.

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and now contains: 3

full-length practice

exams (2 in the book



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practice exercises  
with thorough  
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Unique 5 steps  
fundamental quizzes  
that diagnose your  
areas of strength and  
weakness Authentic  
practice questions

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that reflect both  
multiple-choice and  
free-response  
question types, just  
like the ones you  
will see on test day  
Review material and  
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specific to each  
section of the test  
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Presents a

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multifaceted model  
of understanding,  
which is based on  
the premise that  
people can  
demonstrate  
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enhanced for  
smartphone users—5  
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high scores on this  
demanding

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and easy-to-follow  
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introduces an  
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study plan to help  
students build the  
skills, knowledge,  
and test-taking  
confidence they need  
to reach their full

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potential. The book helps students master both multiple-choice and free-response questions and offers comprehensive answer explanations and sample responses. Written by a physics teacher, this insider's guide

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reflects the latest  
course syllabus and  
includes 2 full-  
length practice  
exams, plus the most  
up-to-date scoring  
information. The 5  
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effective 5-step plan  
breaks down test  
preparation into

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stages: 1. Set Up

Your Study Program

2. Determine Your

Test Readiness 3.

Develop Strategies

for Success 4.

Develop the

Knowledge You

Need to Score High

5. Build Your Test-

Taking Confidence.

2 full-length practice

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Planner app delivers  
a customized study  
schedule and extra  
practice questions to  
students' mobile  
devices · The 5 Steps  
to a 5 series has  
prepared millions of  
students for success  
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guide 5 Steps to a 5:

AP Physics C

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follow, effective  
5-step study plan to  
help you build the  
skills, knowledge,  
and test-taking  
confidence you need  
to achieve a high  
score on the exam.

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schedule and extra  
exam practice to  
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5 Steps to a 5: AP  
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features: •3 Practice  
Exams •A  
comprehensive  
overview of the AP  
Physics C Exam  
format •Hundreds of  
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thorough

explanations•Review

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proven strategies

specific to each

section of the

test•An interactive,

customizable AP

Planner app that lets

you practice on a

mobile device

Barron's AP Physics

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1 Study Guide: With  
2 Practice Tests,  
Second Edition  
provides in-depth  
review for the AP  
Physics 1 exam,  
which corresponds  
to a first-year,  
algebra-based  
college course.  
Comprehensive  
subject review

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covers vectors,  
kinematics, forces  
and Newton's Laws  
of Motion, energy,  
gravitation, impacts  
and linear  
momentum,  
rotational motion,  
oscillatory motion,  
electricity, and  
waves and sound.

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has announced that  
there are May 2021  
test dates available  
are May 3-7 and  
May 10-14, 2021.

This fully updated  
book offers in-depth  
review for the exam  
and helps students  
apply the skills they  
learned in class. It  
includes: Two

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practice tests that  
reflect the AP  
Physics 1 exam (in  
terms of format,  
content tested, and  
level of difficulty)  
with all answers  
fully explained A  
short diagnostic test  
for assessing  
strengths and  
weaknesses Practice



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questions and review

that cover all test

areas Tips and

advice for answering

all question types

Added information

about the weighting

of points by topic

AP Physics 1

6 Practice Tests +

Complete Content

Review + Strategies

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Physics 1 Course  
Overview College  
& Techniques  
Board

AP Physics B Crash  
Course

Barron's AP Physics  
1 and 2 with CD-  
ROM

AP® Physics 1  
Crash Course Book  
+ Online

***MATCHES THE  
LATEST EXAM! Let  
us supplement***

*Page 90/158*

Online Library Ap  
Physics 1 Course  
Overview College  
Board

*your AP classroom  
experience with  
this multi-platform  
study guide. The  
immensely  
popular 5 Steps to  
a 5: AP Physics 1:  
Algebra-Based  
Elite Student  
Edition has been  
updated for the  
2021-22 school*

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Physics 1 Course  
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Board

*year and now  
contains: 3 full-  
length practice  
exams (2 in the  
book and 1 online)  
that reflect the  
latest exam “5  
Minutes to a 5”  
section with a  
5-minute activity  
for each day of  
the school year*

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Physics 1 Course  
Overview College  
Board

*that reinforces the  
most important  
concepts covered  
in class Access to  
a robust online  
platform*

*Comprehensive  
overview of the  
Physics 1 exam  
format Hundreds  
of practice  
exercises with*

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Physics 1 Course  
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Board

*thorough answer  
explanations*

*Proven strategies  
specific to each  
section of the test*

*A self-guided  
study plan*

*including  
flashcards, games,  
and more online*

*This brand new  
book provides in-*

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Physics 1 Course  
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Board

*depth review for  
the new Physics 1  
and Physics 2  
exams. Taken  
over a two year  
period, these  
courses replace  
the old Physics B  
course. Course  
content revolves  
about the 7 “Big  
Ideas” of physics,*

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Board

*which encompass  
core scientific  
principles,  
theories, and  
processes of  
discipline.*

*Barron's AP  
Physics 1 and 2  
offers in-depth  
review for both  
exams and  
includes: 2*



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Physics 1 Course  
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Board

*practice tests  
reflecting the new  
AP Physics 1 and  
AP Physics 2  
exams Diagnostic  
tests that help  
students to target  
areas where they  
need more study  
Practice questions  
and review that  
cover all test*

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Overview College  
Board

*areas The  
enclosed CD-ROM  
presents two  
additional full-  
length practice  
tests with  
automatic scoring  
and fully  
explained  
answers.*

**PREMIUM  
PRACTICE FOR A**

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Physics 1 Course  
Overview College  
Board

*PERFECT 5! Ace  
the AP Physics 1  
Exam with this  
Premium version  
of The Princeton  
Review's  
comprehensive  
study guide.  
Includes 5 full-  
length practice  
exams, plus  
thorough content*

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*reviews, targeted  
test strategies,  
and access to  
online extras.*

*Techniques That  
Actually Work. \**

*Tried-and-true  
strategies to help  
you avoid traps  
and beat the test*

*\* Tips for pacing  
yourself and*

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*guessing logically*  
\* *Essential tactics*  
*to help you work*  
*smarter, not*  
*harder Everything*  
*You Need to Know*  
*to Help Achieve a*  
*High Score. \**  
*Comprehensive*  
*coverage of*  
*kinematics,*  
*dynamics,*

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Board

*Newton's laws,  
work, energy,  
rotational motion,  
electrostatics, DC  
circuits,  
mechanical  
waves, sound, and  
more \* Updated to  
align with the  
latest College  
Board standards \*  
Tons of charts and*

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Board

*figures to*

*illustrate concepts*

*\* Access to study  
plans, a handy list  
of formulas,*

*helpful pre-college  
information, and*

*more via your  
online Student  
Tools Premium*

*Practice for AP*

*Excellence. \* 4 full-*

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Overview College  
Board

*length practice  
tests in the book  
with detailed  
answer*

*explanations \* 1*

*full-length*

*practice test*

*online with*

*detailed answer*

*explanations \**

*Practice drills at*

*the end of each*



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Physics 1 Course  
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Board

*content review  
chapter \* Step-by-  
step walk-  
throughs of  
sample questions  
Presents tips and  
strategies to  
prepare for the  
Advanced  
Placement Physics  
exam for students  
in B courses,*

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Physics 1 Course  
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Board

*including more than seventy equations and providing detailed question-level strategies for answering both the multiple-choice and free-response questions.*

*Cracking the AP*

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Physics 1 Course  
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Board

*Physics 1 Exam*

*Aplusphysics*

*Cracking the AP*

*Physics C Exam,*

*2020 Edition*

*Part 1: Chapters*

*1-17*

*College Physics for*

*the AP® Physics 1*

*Course*

*Princeton Review*

*AP Physics 1 Prep*

*Page 107/158*

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Board

2021

*The AP Physics C  
Companion is not a  
textbook replacement  
nor is it a strict test-  
prep guide. It is a short,  
sweet roadmap to  
calculus-based physics  
courses such as AP  
Physics C: Mechanics  
and University Physics  
I, invaluable not just  
during test prep time,  
but throughout the*

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Board

*entire course. The book  
lays out basic physics  
principles as quickly  
and clearly as possible,  
then demonstrates their  
application with  
hundreds of example  
problems solved in  
detail. Written by a  
physics teacher, The AP  
Physics C Companion  
correlates directly with  
the APlusPhysics.com  
website, where you will*

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*find free video mini-  
lessons explaining  
fundamental concepts,  
detailed study guides, a  
question and answer  
discussion board, and  
most importantly, a  
meeting place where  
you can interact with  
other students from  
around the world.*

*College Physics for the  
AP® Physics 1 Course  
is the first textbook to*

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Physics 1 Course  
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Board

*integrate AP<sup>®</sup> skill-  
building and exam prep  
into a comprehensive  
college-level textbook,  
providing students and  
teachers with the  
resources they need to  
be successful in AP<sup>®</sup>  
Physics 1. Throughout  
the textbook you'll find  
AP Exam Tips, AP<sup>®</sup>  
practice problems, and  
complete AP<sup>®</sup> Practice  
Exams, with each*

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*section of the textbook  
offering a unique skill-  
building approach.*

*Strong media offerings  
include online  
homework with built-in  
tutorials to provide just-  
in- time feedback.*

*College Physics  
provides students with  
the support they need to  
be successful on the  
AP® exam and in the  
college classroom.*



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Physics 1 Course  
Overview College  
Board

*College Physics brings physics to life through a unique approach to the algebra-level introductory physics course. Its winning combination of annotated art, carefully integrated life sciences applications, and strong problem solving and conceptual understanding pedagogy makes this the best text*

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*available for helping students master the physics they need to know for their future careers. Using innovative visual cues to break down physics concepts and sequences in numbered equations and figures, College Physics leads students to develop the crucial conceptual understanding they need*

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*to be successful in the  
course. Carefully  
crafted to support  
students new to college-  
level physics,  
pedagogical features  
(chapter goals, Take-  
Home Messages, Got  
the Concept?, Watch  
Out!) guide students to  
becoming adept  
problem-solvers. By  
incorporating a  
rigorous presentation of*

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*the fundamentals of algebra-based introductory physics with formative physiology, biomedical, and life science topics, students learn to connect physics to living systems. The ultimate goal is for students to have both a solid foundation in physics and to develop a deeper appreciation for why*

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Physics 1 Course  
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*physics is important to  
their future work in the  
life sciences.*

*REA's Crash Course for  
the AP® Physics 1*

*Exam Gets You a  
Higher Advanced*

*Placement® Score in  
Less Time About this*

*new exam: The AP*

*Physics 1 course focuses  
on the big ideas*

*typically included in the  
first and second*

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Physics 1 Course  
Overview College  
Board

*semesters of an algebra-based, introductory college-level physics course. REA's all-new AP Physics 1 Crash Course is perfect for the time-crunched student, the last-minute studier, or anyone who wants a refresher on the subject. Are you crunched for time? Have you started studying for your Advanced Placement®*

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*Physics 1 exam yet?*

*How will you memorize everything you need to know before the test?*

*Do you wish there was a fast and easy way to study for the exam AND boost your score? If this sounds like you, don't panic. REA's Crash*

*Course for AP® Physics 1 is just what you need.*

*Our Crash Course gives you: Targeted, Focused*

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*Review - Study Only*

*What You Need to Know*

*The Crash Course is based on an in-depth analysis of the new AP® Physics 1 course description outline and actual AP® test questions. It covers only the information tested on the exam, so you can make the most of your valuable study time.*

*Written by an AP®*



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Board

*Physics teacher, the targeted review prepares students for the new test by focusing on the new framework concepts and learning objectives tested on the redesigned AP<sup>®</sup> Physics 1 exam. Easy-to-read review chapters in outline format cover all the topics tested on the new exam: kinematics; dynamics; Newton's*

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*laws; circular motion  
and universal law of  
gravitation; work,  
energy, and  
conservation of energy;  
rotational motion; DC  
circuits; mechanical  
waves and sound; and  
more. The book also  
features must-know  
terms all AP® Physics  
students should know  
before test day. Expert  
Test-taking Strategies*

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*With our Crash Course, you can study the subject faster, learn the crucial material, and boost your AP® score all in less time. Our author shares detailed question-level strategies and explains the best way to answer the multiple-choice and free-response questions you'll encounter on test day. By following our*

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*expert tips and advice,  
you can boost your  
overall point score!*

*FREE Practice Exam*

*After studying the  
material in the Crash  
Course, go to the online  
REA Study Center and  
test what you've  
learned. Our free  
practice exam features  
timed testing, detailed  
explanations of answers,  
and automatic scoring*

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*analysis. The exam is balanced to include every topic and type of question found on the actual AP® exam, so you know you're studying the smart way. Whether you're cramming for the test at the last minute, looking for extra review, or want to study on your own in preparation for the exams - this is the*

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*study guide every AP®  
Physics 1 student must  
have. When it's crucial  
crunch time and your  
Advanced Placement®  
exam is just around the  
corner, you need REA's  
Crash Course for AP®  
Physics 1!*

*Investigations in High  
School Science*

*Microbiology*

*AP Physics 1 Crash  
Course*

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*5 Steps to a 5: AP  
Physics 1: Algebra-  
Based 2020*

*College Physics for  
AP® Courses*

*5 Steps to a 5: AP  
Physics 1: Algebra-  
Based 2018, Elite  
Student Edition*

*Written as the  
ideal companion  
for the  
Stewart, et*

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*al., textbook,  
this valuable  
resource serves  
as both a study  
guide that  
delves into  
each topic  
area, and a  
practice  
section that  
provides two  
AP® Physics 1  
practice exams.*



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*"The best  
physics books  
are the ones  
kids will  
actually read."  
AP Physics 1  
Essentials is  
an easy-to-read  
guide to the  
entire AP  
Physics 1  
course,  
featuring more*

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than 600 worked-  
out problems  
with full  
solutions and  
deeper  
understanding  
questions. AP  
Physics 1  
Essentials  
covers all  
major topics  
included in the

AP Physics 1  
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Board

*course,*

*including:*

*kinematics,*

*dynamics,*

*momentum,*

*impulse,*

*gravity,*

*uniform*

*circular*

*motion,*

*rotation, work,*

*energy, power,*

*mechanical*

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Board

*waves, sound,  
electrostatics,  
and circuits.*

*AP Physics 1  
Essentials is  
integrated with  
the APlusPhysic  
s.com website,  
which includes  
online question  
and answer  
forums, videos,  
animations, and*

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*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*

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*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*

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*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*

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*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 new 2nd edition includes more*



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*than 90 AP-  
style problems  
to test your  
understanding  
and help  
prepare you for  
the AP Physics  
1 Exam.*

*Additional  
supplemental  
problems are  
available on  
the*

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Overview College  
Board  
*APlusPhysics*  
website.

*Prepare for the  
AP Exam for  
Physics 1 and  
Physics 2  
effectively and  
efficiently  
with a  
diagnostic  
test, test  
taking  
strategies, and*

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*full-length  
practice exams  
with answer  
keys. Important  
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description or  
the product  
text may not be  
available in*

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the ebook  
version.

*AP Physics 1  
Crash Course A  
Higher Score in  
Less Time!*

*REA's Crash  
Course is the  
top choice for  
AP students who  
want to make  
the most of  
their study*

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time and earn a  
high score.

Here's why more  
AP teachers and  
students turn  
to REA's AP  
Physics 1 Crash  
Course:

Targeted,  
Focused Review-  
Study Only What  
You Need to

Know REA's new

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*2nd edition  
addresses all  
the latest test  
revisions. We  
cover only the  
information  
tested on the  
exam, so you  
can make the  
most of your  
valuable study  
time. Expert  
Test-taking*

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*Strategies and  
Advice Written  
by Amy Johnson  
a seasoned AP  
Physics  
teacher, the  
book gives you  
the tips and  
topics that  
matter most on  
exam day. Crash  
Course relies  
on the author's*

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*extensive  
analysis of the  
test's  
structure and  
content. By  
following her  
advice, you can  
boost your  
score in every  
section of the  
test. Practice  
questions - a  
mini-test in*



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*the book, a  
full-length  
exam online.*

*Are you ready  
for your exam?  
Try our focused  
practice  
questions  
inside the  
book. Then take  
our full-length  
online practice  
exam to ensure*

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*you're ready  
for test day.*

*If you're  
cramming for  
the exam or  
looking for a  
concise course  
review, Crash  
Course is the  
study guide  
every AP  
student needs.*

*About the*

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*Author Amy*

*Johnson holds a  
B.A. in Physics  
Teaching from  
Brigham Young  
University and  
an M.A. in  
Physics  
Education from  
Smith College.  
She currently  
serves as the  
Director of*

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*Services for  
Massachusetts'  
Mass Math +  
Science  
Initiative  
(MMSI). She has  
been teaching  
Physics for  
more than 10  
years at both  
the high school  
and college*

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levels. As a  
teacher for  
Northampton  
(Mass.) High  
School, Ms.  
Johnson worked  
to expand the  
AP Physics  
program to  
include both AP  
Physics B and  
C. Apart from  
broadening the

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*program, she  
also helped  
students  
achieve success  
in their  
physics  
education and  
preparation for  
college. Ms.  
Johnson has  
also taught  
Physics for  
Middle School*

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*Teachers at the  
University of  
Massachusetts  
Amherst. She is  
the recipient  
of the Harold  
Grinspoon New  
Teacher of the  
Year Award, as  
well as the  
National Math  
and Science*

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*Initiative  
Science Teacher  
of the Year  
Award.*

*Take-Home  
Physics: 65  
High-Impact,  
Low-Cost Labs  
5 Steps to a 5:  
AP Physics C  
2020*

*Understanding  
by Design*



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Board  
*An APlusPhysics  
Guide*

Featuring more than five hundred questions from past Regents exams with worked out solutions and detailed illustrations, this book is integrated with [APlusPhysics.com](http://APlusPhysics.com) website, which includes online questions and answer

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forums, videos,  
animations, and  
supplemental  
problems to help you  
master Regents  
Physics Essentials.

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PERFECT 5! Ace the  
AP Physics 1 Exam  
with this Premium  
version of The  
Princeton Review's  
comprehensive study

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guide. Includes 5 full-length practice exams, plus thorough content reviews, targeted test strategies, and access to online extras. Techniques That Actually Work. \* Tried-and-true strategies to help you avoid traps and beat the test \* Tips for pacing yourself and

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guessing logically \*

Essential tactics to

help you work

smarter, not harder

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to Know to Help

Achieve a High Score.

\* Fully aligned with

the latest College

Board standards for

AP® Physics 1 \*

Comprehensive

coverage of

kinematics, dynamics,

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Newton's laws, work,  
energy, rotational  
motion, electrostatics,  
DC circuits,  
mechanical waves,  
sound, and more \*  
Tons of charts and  
figures to illustrate  
concepts \* Access to  
study plans, a handy  
list of formulas,  
helpful pre-college  
information, and more  
via your online

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Premium Practice for  
AP Excellence. \* 5 full-  
length practice tests  
(4 in the book, 1  
online) with detailed  
answer explanations \*  
Practice drills at the  
end of each content  
review chapter \* Step-  
by-step walk-throughs  
of sample questions