



AP Physics C: Mechanics

What do I need for my new AP Physics C: Mechanics course?



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CollegeBoard



DonorsChoose.org is teaming up with the College Board and Google to offer funding for the classroom materials needed to maximize your AP Physics C: Mechanics course. Using DonorsChoose.org, you can select the exact materials you need from our vendors.

When creating your project, you'll shop through our 24 vendors to find materials that will make your AP class a success. The suggestions below (and in the attached technology supply list) are based on recommendations from the College Board and previous requests by AP teachers on DonorsChoose.org. Please visit [our site](#) to view additional AP project ideas. Enter a keyword such as "AP Physics" or "mechanics" to search projects.

materials	vendor	price	#	total
CAR ENERGY CPO	Frey Scientific, Inc.	\$172.00	4	\$688.00

sample project request

"It is increasingly important to provide real learning opportunities to enable our students to compete in an increasingly global world. In the state of Oklahoma, aerospace and energy are the top sectors in our economy. Our students of today are the engineers and scientists that Oklahoma needs tomorrow!"

- Mrs. Ellis, Oklahoma

Item Category	Item Name	Vendor	Average Price*
Textbooks	Chabay, Ruth W., and Bruce A. Sherwood. Electric and Magnetic Interactions. New York: John Wiley & Sons.	AKJ Books	\$167.60
Textbooks	Chabay, Ruth W., and Bruce A. Sherwood. Matter and Interactions I: Modern Mechanics. New York: John Wiley & Sons.	AKJ Books	\$167.60
Textbooks	Chabay, Ruth W., and Bruce A. Sherwood. Matter and Interactions II: Electricity and Magnetic Interactions. New York: John Wiley & Sons.	AKJ Books	\$163.30
Textbooks	Giancoli, Douglas C. Physics for Scientists and Engineers. Upper Saddle River, NJ: Prentice Hall.	AKJ Books	\$259.93
Textbooks	Halliday, David, Robert Resnick, and Kenneth Krane. Physics. Vols. 1 & 2. New York: John Wiley & Sons.	AKJ Books	\$190.30
Textbooks	Halliday, David, Robert Resnick, and Jearl Walker. Fundamentals of Physics. New York: John Wiley & Sons.	AKJ Books	\$245.39
Textbooks	Serway, Raymond A. Principles of Physics. Fort Worth, TX: Saunders.	AKJ Books	\$334.95
Textbooks	Serway, Raymond A., Robert J. Beichner, and John W. Jewett, Jr. Physics for Scientists and Engineers. Vols. 1 & 2. Fort Worth, TX: Saunders.	AKJ Books	\$301.46
Textbooks	Tipler, Paul A. Physics for Scientists and Engineers. New York: W. H. Freeman.	AKJ Books	\$255.60
Textbooks	Young, Hugh D., and Roger A. Freedman. University Physics. Reading, MA: Addison Wesley Longman.	AKJ Books	\$162.20
Textbooks	Young, Hugh D., Roger A. Freedman, T.R. Sandin, and A. Lewis Ford. Sears and Semansky's University Physics. Reading, MA: Addison-Wesley.	AKJ Books	\$259.93
Textbooks	Reese, Ronald Lane. University Physics. Brooks/Cole.	AKJ Books	\$328.43
Lab Equipment	(3) air track	Carolina Biological Supply Company, Frey Scientific, Sargent Welch	\$691.40
Lab Equipment	Rotator, constant speed	Frey Scientific, Sargent Welch	\$490.48
Lab Equipment	Ballistic pendulum	Carolina Biological Supply Company, Frey Scientific, Sargent Welch, Nasco	\$44.34

**prices may change over time*

Item Category	Item Name	Vendor	Average Price*
Lab Equipment	(4) spring scales	Carolina Biological Supply Company, Frey Scientific, Sargent Welch, Nasco	\$7.97
Lab Equipment	(4) vernier caliper	Carolina Biological Supply Company, Sargent Welch, Nasco	\$19.56
Lab Equipment	(4) pulley with clamp	Carolina Biological Supply Company, Frey Scientific, Sargent Welch, Nasco	\$8.18
Lab Equipment	(4) inclined plane with pulley	Carolina Biological Supply Company, Frey Scientific, Sargent Welch, Nasco	\$43.79
Lab Equipment	(4) dynamic carts	Carolina Biological Supply Company, Frey Scientific, Sargent Welch, Nasco	\$62.71
Lab Equipment	(4) hull's carriage	Carolina Biological Supply Company, Frey Scientific, Sargent Welch, Nasco	\$13.13
Lab Equipment	(4) spring loaded carts	Carolina Biological Supply Company, Nasco	\$80.70
Lab Equipment	(4) ballistics car	Carolina Biological Supply Company, Frey Scientific, Sargent Welch	\$66.24
Lab Equipment	(5) sheave pulley	Carolina Biological Supply Company, Frey Scientific, Sargent Welch, Nasco	\$4.55
Technology	(4) Vernier Photogates	Sargent Welch	\$45.09
Technology	(4) Vernier GOMotion USB capture	Sargent Welch, Nasco	\$109.00

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Tech Supplies for any AP Course

The following materials are suggestions based on projects posted by DonorsChoose.org teachers for their AP courses. We encourage you to search our vendor sites to find the materials that will work best for your students.



	Best Buy for Business	CDW-G	Kaplan	Quill.com	Teachers' School Supply	Woodwind & Brasswind
Apple Products (iPods, iPads, computers)	X					X
Cameras, Camcorders	X	X	X	X	X	
Document Cameras	X	X	X	X	X	
eReaders (eg. Kindle, NOOK)	X	X		X		
Flash Drives	X	X	X	X		X
Interactive Whiteboards		X	X		X	
Laptops, Desktops, Tablets	X	X	X	X		
Printers, Scanners, Copiers	X	X	X	X		
Projectors	X	X	X	X	X	
SMART Technology Products			X			
Student Response/Voting Systems		X	X	X		
Televisions, DVD Players	X	X		X		