



AP Physics B

What do I need for my new AP Physics B course?



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Teachers ask. You choose.



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 B 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" to search projects.

materials	vendor	price	#	total
LabQuest Mini	Vernier	\$149.00	4	\$596.00

sample project request

"I am passionate about providing meaningful STEM education to the students in my classes and know that these interfaces will update our lab science experiences. I am also an outspoken proponent of the use of this technology across my department, and serve this goal through my modeling of their practical applications. These interfaces will take us well into the future with our data collection, data analysis, science skills instruction."

- Ms. Raymond, North Carolina

Item Category	Item Name	Vendor	Average Price*
Textbooks	Cutnell, John D. and Kenneth Johnson. Physics. Hoboken, NJ: Wiley.	AKJ Books	\$184.04
Textbooks	Giancoli, D.C. Physics: Principles with Applications. Englewood Cliffs, NJ: Prentice Hall.	AKJ Books	\$245.00
Textbooks	Knight, R. College Physics: A Strategic Approach. Boston, MA: Addison-Wesley/Pearson.	AKJ Books	\$245.60
Textbooks	Serway, R. A., Faugh, J. and Vuielle, C. College Physics. Boston, MA: Cengage Wodsworth.	AKJ Books	\$310.46
Textbooks	Walker, J.S. Physics. Volumes 1 and 2. Upper Saddle River, NJ: Prentice Hall.	AKJ Books	\$152.27- vol 1 & \$142.73 vol 2
Textbooks	Wilson, J. and Buffa, A. College Physics. San Francisco, CA: Addison-Wesley.	AKJ Books	\$234.27
Technology	Vernier Photogates	Sargent Welch	\$45.09
Technology	Vernier GOMotion USB capture	Sargent Welch, Nasco	\$109.00
Technology	Van de Graff generator 400kV	Carolina Biological Supply Company, Frey Scientific, Sargent Welch, Nasco	\$512.15
Technology	Digital mulimeter	Frey Scientific, Quill.com, Nasco	\$74.99
Lab Equipment	air track	Carolina Biological Supply Company, Frey Scientific, Sargent Welch	\$691.40
Lab Equipment	tuning fork set	Carolina Biological Supply Company, Frey Scientific, Sargent Welch, Nasco	\$27.56
Lab Equipment	resistor 5W 5 ohm pk/10	Frey Scientific	\$5.27
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
Lab Equipment	resonance tube 30cm x 2.5cm	Carolina Biological Supply Company, Frey Scientific, Sargent Welch	\$15.21
Lab Equipment	Spring scales	Carolina Biological Supply Company, Frey Scientific, Sargent Welch, Nasco	\$7.97
Lab Equipment	high-voltage power supply	Carolina Biological Supply Company, Frey Scientific, Sargent Welch, Nasco	\$258.55
Lab Equipment	Digital multimeter	Frey Scientific, Quill.com, Nasco	\$74.99
Lab Equipment	pulley with clamp	Carolina Biological Supply Company, Frey Scientific, Sargent Welch, Nasco	\$8.18

**prices may change over time*

Item Category	Item Name	Vendor	Average Price*
Lab Equipment	vernier caliper	Carolina Biological Supply Company, Frey Scientific, Sargent Welch, Nasco	\$19.56
Lab Equipment	inclined plane with pulley	Carolina Biological Supply Company, Frey Scientific, Sargent Welch, Nasco	\$43.79
Lab Equipment	dynamic carts	Carolina Biological Supply Company, Frey Scientific, Sargent Welch, Nasco	\$62.71
Lab Equipment	spring loaded carts	Carolina Biological Supply Company, Nasco	\$80.70
Lab Equipment	ballistics car	Carolina Biological Supply Company, Frey Scientific, Sargent Welch, Nasco	\$66.24
Lab Equipment	sheave pulley	Carolina Biological Supply Company, Frey Scientific, Sargent Welch	\$4.55
Lab Equipment	Springs / tight coil & loose coil	Carolina Biological Supply Company, Frey Scientific, Sargent Welch	\$21.96
Lab Equipment	Ammeter	Carolina Biological Supply Company, Frey Scientific, Sargent Welch, Nasco	\$19.99
Lab Equipment	1-Farad Capacitor Demo	Frey Scientific, Sargent Welch	\$30.42
Lab Equipment	Motor, DC	Carolina Biological Supply Company, Frey Scientific, Sargent Welch, Nasco	\$50.16
Lab Equipment	Generator	Carolina Biological Supply Company, Frey Scientific, Sargent Welch, Nasco	\$52.88
Lab Equipment	galvanometer	Carolina Biological Supply Company, Frey Scientific, Sargent Welch	\$19.99
Lab Equipment	Investigating light and optics kit	Carolina Biological Supply Company, Frey Scientific, Sargent Welch	\$140.28
Lab Equipment	lens, double concave 20cm	Frey Scientific	\$1.04
Lab Equipment	lens, double convex 20cm	Frey Scientific, Nasco	\$1.35
Lab Equipment	Iron filings 500g	Carolina Biological Supply Company, Frey Scientific, Sargent Welch, Nasco	\$7.53
Lab Equipment	Electroscope	Carolina Biological Supply Company, Frey Scientific, Sargent Welch, Nasco	\$35.77
Lab Equipment	Oscilloscope	Carolina Biological Supply Company, Frey Scientific, Sargent Welch, Nasco	\$594.37
Lab Equipment	Density Rod set	Carolina Biological Supply Company, Frey Scientific, Sargent Welch, Nasco	\$29.35

**prices may change over time*

Item Category	Item Name	Vendor	Average Price*
Lab Equipment	Equilateral Prism	Carolina Biological Supply Company, Frey Scientific, Sargent Welch, Nasco	\$8.06
Lab Equipment	Polarized film sheet	Carolina Biological Supply Company, Sargent Welch, Nasco	\$47.08
Lab Equipment	Lenz's law loop demo	Carolina Biological Supply Company, Frey Scientific, Sargent Welch	\$36.01
Lab Equipment	Alnico bar magnets	Carolina Biological Supply Company, Frey Scientific, Sargent Welch, Nasco	\$24.58
Lab Equipment	Ceramic ring magnets	Carolina Biological Supply Company, Frey Scientific, Sargent Welch, Nasco	\$12.96
Lab Equipment	Calorimeter	Carolina Biological Supply Company, Frey Scientific, Sargent Welch, Nasco	\$25.98

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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		