



AP[®] Physics 1 and 2



These are suggested materials for AP[®] Physics 1 and 2. These lists are not comprehensive - please visit [DonorsChoose.org](https://www.donorschoose.org) and search by course title for more project ideas.

RESOURCE TITLE	Author/ Publisher/ Edition	Amazon Approx. Cost	AKJ Books Approx. Cost	Sargent- Welch Approx. Cost	Frey Scientific Approx. Cost	Carolina Approx. Cost	Nasco Approx. Cost	School Specialty Approx. Cost
Textbooks								
Physics	Cutnell, Johnson	\$147.50						
Principles with Applications	Giancolo		\$176.17					
College Physics	Serway, Faugh, Vuielle	\$143.98	\$310.46					
Lab consumables								
iron filings 500g		\$9.09		\$6.08	\$8.46	\$5.65	\$7.50	\$3.99
Simple Machines								
spring scales		\$11.25		\$13.50	\$5.95	\$12.80	\$2.45	\$5.95
inclined plane with pulley				\$29.70	\$74.95	\$36.10	\$76.95	
dynamic carts		\$71.50		\$72.90	\$21.95	\$32.92	\$56.00	
pully with clamp		\$8.50		\$72.59	\$7.30		\$23.45	
Electronics								
Vernier photogates				\$45.09	\$499.00			
Vernier GOMotion USB capture				\$109.09				
Van de Graff generator 400kV		\$183.71		\$799.99				
digital multimeter		\$28.99		\$47.70	\$21.99	\$34.20	\$39.95	\$56.36
high-voltage power supply		\$12.70		\$420.09		\$223.25	\$124.95	
generator		\$398.88		\$99.90	\$56.55		\$15.35	\$40.24
Lab Equipment								
air track				\$544.50	\$880.00	\$798.00	\$308.50	

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tuning fork set		\$114.95		\$70.20	\$36.00	\$109.20	\$76.75	\$41.99
resistor 5W ohm pk/10		\$4.24		\$10.53	\$5.85			
Rotator, constant speed		\$523.30		\$1,420.09	\$225.00			
Ballistic pendulum		\$41.62		\$549.00	\$43.95	\$52.25		
resonance tube, 30cm x 2.5 cm				\$12.42		\$19.24		
vernier caliper		\$7.99		\$30.47		\$9.03	\$5.95	\$89.56
spring loaded carts				\$72.90	\$21.95	\$88.35		
springs/tight coils				\$68.40	\$11.05		\$5.95	
ammeter		\$9.99		\$21.60	\$19.95	\$17.58	\$12.75	
1-farad capacitor demo		\$25.86		\$33.30				
motor, DC		\$14.00		\$126.90	\$9.75	\$4.75	\$12.15	\$139.19
galvanometer		\$9.85		\$21.60	\$42.50	\$18.57		
investigating light and optics kit					\$139.95			
electroscope		\$21.13		\$19.53	\$19.00	\$9.74	\$44.50	\$62.99
oscilloscope		\$89.95		\$799.09	\$699.00	\$612.75	\$562.50	\$844.94
density rod set						\$41.80		
equilateral prism		\$12.14		\$10.89	\$7.95	\$11.35	\$4.95	\$4.60
polarized film sheet		\$41.29		\$33.35	\$7.95	\$64.60	\$16.50	
Lenz's law loop demo				\$79.09	\$15.75	\$13.73		
alnico bar magnets		\$11.86		\$22.05	\$8.75	\$8.55	\$8.95	\$7.95
ceramic ring magnets		\$5.25		\$7.07	\$16.00	\$3.61	\$3.95	\$7.49
calorimeter		\$10.95		\$88.09	\$10.25	\$16.50	\$10.30	



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In addition to course-specific materials, the suggestions below are the most commonly requested basic classroom supplies. Browse our vendor offerings to find the materials that will best enhance your AP classroom.

Item Name	School Specialty Approx. Cost	Quill Approx. Cost	Amazon Approx. Cost	Nasco Approx. Cost	Teachers' School Supply Approx. Cost
Classroom consumables					
Post-its	\$8.69	\$15.99	\$7.48	\$7.85	\$9.15
Lined Paper	\$3.19	\$1.43	\$8.65	\$4.55	\$7.79
Printer Paper	\$20.49	\$13.76	\$14.99	\$32.92	
Colored paper	\$6.99	\$15.20	\$12.16	\$7.80	\$20.79
Pencils	\$2.39	\$1.16	\$8.59	\$13.50	\$5.89
Pencil sharpener	\$2.99	\$0.80	\$10.17	\$2.75	\$0.90
pens	\$12.69	\$5.00	\$5.99	\$1.50	\$1.79
colored markers	\$9.89	\$3.41	\$11.20	\$12.95	\$10.51
sharpies	24.49 for 36-pack	\$14.99	\$6.78	\$1.60	\$2.69
highlighters	\$3.59	\$2.69	\$8.49		\$2.35
paper clips	\$6.49	\$4.49	\$6.89		\$4.90
whiteboard markers	\$4.99	\$11.79	\$13.23	\$7.95	\$2.05
colored pencils	\$7.49	\$1.34	\$6.99		
glue	\$1.99	\$0.89	\$0.81		\$1.18
tape	\$6.89	\$3.41	\$7.19		\$9.90
folders	\$15.79	\$8.99	\$6.99		\$2.49
binders	\$7.39	\$2.42	\$17.15 (for 4)		\$4.26
whiteout	\$2.99	\$2.09	\$5.49		
index cards	\$3.79	\$1.29	\$9.45		\$3.99
easel pads	\$59.99	\$49.99	\$30.29		\$36.00
Classroom Supplies					
scissors	\$6.99	\$1.61	\$5.78		\$4.90
hole punch	\$29.99	\$10.16	\$8.97		\$6.50
stapler	\$13.69	\$14.99	\$5.38		\$8.99
rulers	\$1.09	\$0.35	\$7.46		\$0.42
storage bin	\$6.99	\$8.09	\$24.99	\$160.50	\$37.99
classroom furniture	Varies	Varies	\$30+	\$200 and up	\$145.99

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.



Item Name
Epson Perfection V500 Flatbed Scanner
Canon PowerShot SX150 IS 249 99 50 00 199 99 Savings ends 2 25
SUS Eee Pad Transformer TF101 - tablet - Android 3.x (Honeycomb) - 16 GB - 10.1' - espresso
Apple - iPad with Retina display Wi-Fi - 64GB - White
Apple - Smart Case for Apple iPad 2nd-, 3rd- and 4th-Generation - Red
Dell - Inspiron 15.6' Laptop - 6GB Memory - 750GB Hard Drive - Moon Silver
Acer Aspire ONE 725-0488 - 11.6' - C-60 - Windows 7 Home Premium 64-bit - 4 GB RAM - 320 GB HDD
Barnes&Noble - NOOK Simple Touch
PA300+ PA SYSTEM PRESENTATION
Apple Magic Trackpad trackpad
Apple iPod touch digital player - Apple iOS 5
Samsung Galaxy Tab 2 (10.1) WiFi - tablet - Android 4.0 - 16 GB - 10.1'
HD Digital Camcorder With HDMI
Case Logic case for camcorder
Canon VIXIA HF R300 - camcorder - flash card
Insignia NS-PCS21 - PC multimedia speaker system
Elmo TT 12 document camera
EPSON VS310 Multimedia Projector
Kindle Fire Bundle
MimioHub Wireless Receiver
MimioVote Handset Options: Single Handset
HITACHI CP-X200 XGA LCD PRJCTR
Flip Video Camcorders MinoHD, 8GB, 120 Minutes, Chrome
Jawbone - Bluetooth Jambox Speaker
Livescribe Echo Smartpen Starter Pack - digital voice recorder
Livescribe - Single Subject Notebook for Livescribe Pulse Smartpens (4-Pack)