

AP* PHYSICS 1 LABORATORY SUPPLIES

Purchase Guide

from

**FLINN
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FLINN SCIENTIFIC

AP Physics 1 Laboratory Supplies*

2017 Edition

Purchase Guide

Easy Ordering Instructions

- 1) Conduct an inventory of chemicals and apparatus on hand using the “Current Inventory Status” column.**
- 2) Decide how much of each supply item you will need for future laboratory work.**
- 3) Order needed chemicals and apparatus using the “Quantity Ordered” column.**
- 4) Prices guaranteed until January 31, 2018.**
- 5) To submit your order:**

Online: www.flinnsci.com

Email Order to: flinn@flinnsci.com

Fax Order to: 1-866-452-1436

Mail Order to: Flinn Scientific, Inc.

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Batavia, IL 60510

Materials Lists for Flinn Advanced Inquiry Laboratory Kits for AP Physics 1

Each Advanced Inquiry Laboratory Kit is listed individually with all the additional materials that are required, but not included in that kit.

These kits may also be purchased as a comprehensive bundle. Please contact Flinn Scientific for more information.

		Available from Flinn Scientific				
Product/Item Name	Current Inventory Status	Quantity Recommended	Quantity Ordered	Unit Price	Total Price	Catalog Number
Investigation 1, Big Idea 3						
Measuring g: Exploring Free-Fall - Advanced Inquiry Lab Kit		1	1	\$45.75		AP7722
Picket Fence		6	6	\$8.65		TC1546
Masking Tape, 3/4", 60 Yards		6	6	\$3.75		AP1734
Support Stand, Two Hole, 6" X 11"		6	6	\$30.80		AP5998
Meter Stick		6	6	\$3.95		AP8294
Student Timers, pkg/12, per pkg		1	1	\$95.95		AP6396
PSworks Photogate Timer		6	6	\$316.70		AP6998
Threaded Support Rods for Photogate, Pkg of 2, per pkg		3	3	\$11.00		AP7009
<i>Basket or Box</i>						
Investigation 2, Big Idea 3						
Graphing Motion - Advanced Inquiry Lab Kit		1	1	\$16.85		AP7723
Meter Stick		6	6	\$3.95		AP8294
Logger Pro 3™ Software (<i>optional</i>)		1	1	\$259.00		TC1421
Motion Detector 2		6	6	\$95.15		TC2321
Masking Tape, 3/4", 60 Yards		1	1	\$3.75		AP1734
Vernier LabQuest 2™ Interface (<i>optional</i>)		6	6	\$345.45		TC1561
Computer (<i>optional</i>)		1	1			
Investigation 3, Big Ideas 2 & 3						
Newton's Second Law - Advanced Inquiry Lab Kit		1	1	\$196.95		AP7724
Electronic Balance, 510 x 0.1-g (<i>may be shared</i>)		8	8	\$203.00		OB2139
Meter Stick (<i>or ruler</i>)		8	8	\$3.95		AP8294
Student Timers, pkg/12, per pkg		1	1	\$95.95		AP6396
Investigation 4, Big Ideas 1 & 3						
Coefficient of Friction - Advanced Inquiry Lab Kit		1	1	\$104.55		AP7725
Electronic Balance, 510 x 0.1-g (<i>may be shared</i>)		1	1	\$203.00		OB2139
Masking Tape, 3/4", 60 Yards		1	1	\$3.75		AP1734
Hook Weight, 100 g		8	8	\$49.95		OB2066

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Vernier Dual Range Force Sensor		8	8	\$126.00		TC1516
OR						
Spring Scales, Pull-type, 250-g/2.5 N, Pkg./6, per pkg		2	2	\$41.95		AP6997
Cotton Thread, Spool, 600 ft (1 ft/lab group needed)		1	1			C0221
Vernier LabQuest 2™ Interface (optional)		8	8	\$345.45		TC1561
Logger Pro 3™ Software (optional)		1	1	\$259.00		TC1421
Meter Stick		1	1	\$3.95		AP8294
Scissors		1	1	\$10.75		AP4396
Investigation 5, Big Idea 3						
Uniform Circular Motion - Advanced Inquiry Lab Kit		1	1	\$78.35		AP7726
Electronic Balance, 510 x 0.1-g (may be shared)		1	1	\$203.00		OB2139
Student Timers, pkg/12, per pkg		1	1	\$95.95		AP6396
Meter Stick		12	12	\$3.95		AP8294
Scissors		1	1	\$10.75		AP4396
Investigation 6, Big Idea 5						
Conservation of Energy on an Inclined Plane - Adv Inq Lab Kit		1	1	\$98.50		AP7727
Clamp Holder		8	8	\$18.05		AP8219
Scissors		8	8	\$10.75		AP4396
Fishing line (or thin string) 1425 ft (1.5-2 m needed per lab group)		1	1	\$6.90		AP6938
Support Stand, Two Hole, 6" X 11"		8	8	\$30.80		AP5998
Threaded Support Rods for Photogate, Pkg of 2, per pkg		4	4	\$11.00		AP7009
Meter Stick		8	8	\$3.95		AP8294
Protractor		8	8	\$1.10		AP9286
Pencil or chalk						
Textbooks (optional) , 3-4						
Printer paper, white, 3-4 sheets						
Transparent tape						
Investigation 7, Big Idea 5						
Conservation of Elastic Potential Energy		1	1	\$162.30		AP7728
Clamp Holder		8	8	\$18.05		AP8219
Meter Stick		6	6	\$3.95		AP8294
Support Stand, Two Hole, 6" X 11"		6	6	\$30.80		AP5998
Threaded Support Rods for Photogate, Pkg of 2, per pkg		3	3	\$11.00		AP7009
Textbooks, 3-4 (optional)		6	6			

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Investigation 8, Big Idea 4						
Conservation of Linear Momentum - Adv Inquiry Lab Kit		1	1	\$122.85		AP7729
Air Track		6	6	\$707.25		AP5615
Air Source		3	3	\$692.85		AP5617
Air Hose, 2 m		3	3	\$47.90		AP5743
PSworks Photogate Timer		6	6	\$316.70		AP6998
Threaded Support Rods for Photogate, Pkg of 2, per pkg		3	3	\$11.00		AP7009
Electronic Balance, 510 x 0.1-g (<i>may be shared</i>)		1	1	\$203.00		OB2139
Investigation 9, Big Idea 3						
Hooke's Law and Simple Harmonic Motion for Elastic Materials - Advanced Inquiry Lab Kit		1	1	\$50.05		AP7730
Hook Weight Set		12	12	\$49.95		OB2066
Support Stand, Two Hole, 6" X 11"		12	12	\$30.80		AP5998
Ruler		12	12	\$1.09		AP4685
Ring Support, 4", with Rod Clamp		12	12	\$10.90		AP8232
Scissors		12	12	\$10.75		AP4396
Student Timers, pkg/12, per pkg		1	1	\$95.95		AP6396
Investigation 10, Big Idea 3						
Simple Pendulums - Advanced Inquiry Lab Kit		1	1	\$38.70		AP7731
Meter Stick		12	12	\$3.95		AP8294
Protractor		12	12	\$1.10		AP9286
Student Timers, pkg/12, per pkg		1	1	\$95.95		AP6396
Scissors		12	12	\$10.75		AP4396
Support Stand, Two Hole, 6" X 11"		12	12	\$30.80		AP5998
Ring Support, 4", with Rod Clamp		12	12	\$10.90		AP8232
<i>Spreadsheet computer program or graph paper</i>						
Investigation 11, Big Ideas 3 & 4						
Rotational Motion and Angular Momentum - Adv Inq Lab Kit		1	1	\$199.10		AP7732
Support Stand, Two Hole, 6" X 11"		12	12	\$30.80		AP5998
Clamp Holder		12	12	\$18.05		AP8219
Threaded Support Rods for Photogate, Pkg of 2, per pkg		3	3	\$11.00		AP7009
Meter Stick		6	6	\$3.95		AP8294
Scissors		6	6	\$10.75		AP4396
Student Timers, pkg/12, per pkg		1	1	\$95.95		AP6396

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Investigation 12, Big Idea 3						
Torque - Advanced Inquiry Lab Kit		1	1	\$139.35		AP7733
C-clamp, 3" <i>(optional but recommended)</i>		12	12	\$9.05		AP1247
Scissors		12	12	\$10.75		AP4396
Hook Weight, 500-g		12	12	\$34.85		OB2124
Spring Scale, Pull Type, 1 kg/10 N		12	12	\$8.10		AP4665
Protractor		12	12	\$1.10		AP9286
Support Stand, Two Hole, 6" X 11"		12	12	\$30.80		AP5998
Meter Stick		12	12	\$3.95		AP8294
Investigation 13, Big Idea 6						
Mechanical Waves - Advanced Inquiry Lab Kit		1	1	\$68.55		AP7734
Meter Stick		8	8	\$3.95		AP8294
Student Timers, pkg/12, per pkg		1	1	\$95.95		AP6396
Scissors (for pre-lab prep)		1	1	\$10.75		AP4396
Investigation 14, Big Idea 6						
Speed of Sound - Advanced Inquiry Lab Kit		1	1	\$194.30		AP7735
Clamp Holder		16	16	\$18.05		AP8219
Clamp, Extension, Universal, 2"		16	16	\$26.10		AP1037
Tape Measure, Wind-Up Type, Metric, 30-m		1	1	\$21.55		AP6323
Cylinder, Borosilicate Glass, Economy Choice, 250 mL <i>(or beaker)</i>		8	8	\$25.55		GP2058
Student Timers, pkg/12, per pkg		1	1	\$95.95		AP6396
Petroleum jelly <i>(optional)</i>		1	1			P0230
Rubber Mallet for Tuning Forks		8	8	\$6.05		AP9039
Ruler, metric		8	8	\$1.09		AP4685
Support Stand, 4" X 6"		8	8	\$15.85		AP8226
Thermometer, Digital		8	8	\$26.30		AP6049
<i>Tape, duct or masking</i>						
Investigation 15, Big Idea 5						
Electrical Circuits - Advanced Inquiry Lab Kit		1	1	\$103.75		AP7736
Battery, Lighting, 6.0 V		8	8	\$9.55		AP1429
Multimeter		8	8	\$37.50		AP4639

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Investigation 16, Big Idea 1						
Resistance and Resistivity		1	1	\$103.65		AP7737
Meter Stick		12	12	\$3.95		AP8294
Multimeter		12	12	\$37.50		AP4639
Calipers, Vernier, Double Scale, Steel		12	12	\$9.85		AB1006

Grand Total

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