

# STANDARD AP\* BIOLOGY LABORATORY SUPPLIES

## Purchase Guide

from

**FLINN  
SCIENTIFIC**

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# **FLINN SCIENTIFIC**

## *Standard AP\* Biology Laboratory Supplies*

**2017 Edition**

### **Purchase Guide**

#### **Easy Ordering Instructions**

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- 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:**

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**Batavia, IL 60510**

The following list includes all the additional supplies needed for the Flinn AP Biology Advanced Inquiry Kits. Each kit contains all the consumable items needed to perform each lab to serve 8 groups, except FB2043, which serves 6 groups, FB2042, which serves 10 groups, and FB2001, which serves 15 pairs of students. Any additional equipment required but not included is itemized for each kit.

The Flinn AP Biology kits can be purchased as a bundle (listed at the top of the purchase guide) or individually as listed in bold under each sub-heading. Items in italics are used in the teacher's pre-lab prep. If there is an asterisk (\*), the item is used both in pre-lab prep and the student portion.

		<b>Available from Flinn Scientific</b>				
Product/Item Name	Current Inventory Status	Quantity Recommended	Quantity Ordered	Unit Price	Total Price	Catalog Number
<b>AP Biology Inquiry Laboratory Kit Bundle</b>		<b>1</b>		<b>\$902.10</b>		<b>FB2080</b>
<b>Big Idea 1 - Investigation 1; FB2036</b>						
<b>Artificial Selection Advanced Inquiry Laboratory Kit</b>		<b>1</b>		<b>\$89.95</b>		<b>FB2036</b>
Greenhouse with grow lights: (select one of the two below)						
Grow Lab II- Compact Indoor Garden (one tier)		1		\$280.00		FB1459
Jewel 74" Plantmobile ( three tier)		1		\$1,244.80		FB0494
Magnifier, Plastic, Dual Lens		8		\$2.17		AB1134
Felt Tip Permanent Pen, Black		8		\$2.46		AP1297
Ruler, Metric/English, transparent, 30-cm		8		\$1.09		AP4685
Scissors, student		8		\$3.65		AP5394
Wisconsin Fast Plant seeds		1		\$44.30		FB2044
<i>Flask, Erlenmeyer, Borosilicate Glass, 1-L</i>		1		\$10.15		GP3055
<i>Scissors, Office-type, 7"</i>		1		\$10.75		AP4396
<i>Camera (shared)</i>		1				<i>Consumer product</i>
<i>Bottle with cap, 2 L</i>		1				<i>Consumer product</i>
<b>Big Idea 1 - Investigation 3; FB2041</b>						
<b>Understanding Evolutionary Relationships Advanced Inquiry Laboratory Kit</b>		<b>1</b>		<b>\$16.75</b>		<b>FB2041</b>
Internet access required. No additional materials needed.						
<b>Big Idea 1; An Advanced Inquiry Lab; FB2046</b>						
<b>Genetics of Drosophila Eye Color Advanced Inquiry Kit</b>		<b>1</b>		<b>\$38.20</b>		<b>FB2046</b>
<i>Drosophila melanogaster: Order 3 weeks in advance with arrival one week before lab</i>						
Wild-type (+)		1		\$8.35		LM1115
White (w) recessive		1		\$8.35		LM1117
Sepia (se) recessive		1		\$8.35		LM1125
Scarlet (st) recessive		1		\$8.30		LM1245

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Brown (bw) recessive ( <i>optional</i> )		1		\$8.35		LM1244
Beaker, 600-mL		8		\$4.60		GP1030
Forceps, dissecting, stainless steel		8		\$2.52		AB1013
UV Light Source; <i>may be shared if desired</i>		8		\$35.90		AP1901
Cylinder, Borosilicate Glass, Economy Choice, 100-mL		1		\$13.00		GP2056
Stirring Rod; Glass		1		\$0.43		GP5075

**Big Idea 2 - Investigation 4; FB2032**

<b>Water Potential Advanced Inquiry Laboratory Kit</b>		<b>1</b>		<b>\$45.45</b>		<b>FB2032</b>
Balance, 0.01 g precision, 210 g capacity (shared)		1		\$298.00		OB2141
Cover Slips, glass No. 1, 22 x 22 mm, 1 oz package		1		\$8.90		ML1383
Forceps, dissecting, stainless steel		8		\$2.52		AB1013
Felt Tip Permanent Pen, Black ( <i>optional</i> )		8		\$2.46		AP1297
Microscope, Flinn Economy Compound - 4X, 10X, 40X		8		\$265.00		MS1121
Microscope Slides, Glass, Best Quality, 25 x 75 mm, pkg/72		1		\$10.35		ML1381
Scalpel, disposable, student		8		\$2.59		AB1047
Ruler, Metric/English, transparent, 30-cm		8		\$1.09		AP4685
Water, Distilled, 4L		1		\$8.65		W0001
OR						
Water Deionized, 4L		1		\$9.40		W0007
Red Onion		1				<i>Consumer product</i>
Potato Tubers, various		8				<i>Consumer product</i>
Flask, Volumetric, Borosilicate Glass; 1-L		1		\$38.25		GP4045

**Big Idea 2 - Investigation 4; FB2030**

<b>Diffusion and Osmosis Advanced Inquiry Laboratory Kit</b>		<b>1</b>		<b>\$86.55</b>		<b>FB2030</b>
Balance, 0.01 g precision, 210 g capacity ( <i>shared</i> )		1		\$298.00		OB2141
Beaker, Borosilicate Glass, Low Form, 150-mL		8		\$3.35		GP1015
Cylinder, Borosilicate Glass, Graduated, 25-mL		8		\$23.40		GP2010
Felt Tip Permanent Pen, Black		8		\$2.46		AP1297
Funnel, standard stem, polypropylene, 55 mm		8		\$4.10		AP8837
Weighing dishes, disposable, 5-1/4" x 5-1/4" x 7/8" *, pkg/500		1		\$68.40		AP1279
Beaker, Borosilicate Glass, Heavy Duty, 1-L		1		\$21.85		GP1050
Digital Pocket Thermometer, Flinn		1		\$26.30		AP6049
Gloves; Autoclave		1		\$32.00		AP8876
Magnetic Stirrer/Hot Plate, 7" x 7"		1		\$489.70		AP8181
Scissors, Office-type, 7"		1		\$10.75		AP4396
Flask, Volumetric, Borosilicate Glass; 1-L		1		\$38.25		GP4045

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<b>Big Idea 2 - Investigation 5; FB2034</b>						
<b>Photosynthesis in Leaf Disks Advanced Inquiry Lab Kit</b>		<b>1</b>		<b>\$59.25</b>		<b>FB2034</b>
Balance, 0.01 g precision, 210 g capacity		1		\$298.00		OB2141
Infrared lamp and reflector		8		\$46.60		AP5372
Support Stand, 6" x 9"		8		\$21.05		AP8228
Timer, stopwatch, Flinn		8		\$13.00		AP1572
Water, Distilled, 4L		1		\$8.65		W0001
OR						
Water, Deionized, 4L		1		\$9.40		W0007
Ivy or Spinach leaves, fresh					<i>Consumer product</i>	
<b>Big Idea 2 - Investigation 6; FB2045</b>						
<b>Cellular Respiration Advanced Inquiry Laboratory Kit</b>		<b>1</b>		<b>\$73.50</b>		<b>FB2045</b>
Glue Gun ( <i>shared</i> )		1		\$20.65		AP9011
Glue Sticks, for glue gun, pkg/24		1		\$7.85		AP9012
Felt Tip Permanent Pen, Black		8		\$2.46		AP1297
Ruler, Metric/English, transparent, 30-cm		8		\$1.09		AP4685
Stirring Rod; Glass		8		\$0.43		GP5075
Digital Pocket Thermometer, Flinn		8		\$26.30		AP6049
<i>Paper clip</i>		1			<i>Consumer product</i>	
<i>Paper bag</i>		1			<i>Consumer product</i>	
<i>Oven, Laboratory, 0.7 cu. Ft.</i>		1		\$494.85		AP1055
<b>Big Idea 3 - Investigation 7; FB2031</b>						
<b>Environmental Effects on Mitosis Adv Inquiry Lab Kit</b>		<b>1</b>		<b>\$66.75</b>		<b>FB2031</b>
Felt Tip Permanent Pen, Black		8		\$2.46		AP1297
Forceps, dissecting, stainless steel, straight		8		\$2.52		AB1013
Scissors, Dissecting, Stainless Steel		8		\$3.45		AB1060
Microscope, Flinn Economy Compound - 4X, 10X, 40X		8		\$265.00		MS1121
Lectin, phytohemagglutinin, 10 mg ( <i>optional</i> )		1		\$62.90		L0114
Water, deionized, 4L		1		\$9.40		W0007
Pencil with eraser ( <i>optional</i> )		8		\$0.48		AP2007
<i>Onion Sets, 100 bulbs, pkg/100</i>		1		\$12.75		FB1468
<i>Flask, Volumetric, Borosilicate Glass; 1-L</i>		2		\$38.25		GP4045
<i>Cylinder, Borosilicate Glass, Graduated, 10-ml</i>		1		\$16.45		GP2005
<i>Plastic wrap, 66 yards</i>		1		\$6.10		AP1736

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Product/Item Name	Current Inventory Status	Quantity Recommended	Quantity Ordered	Unit Price	Total Price	Catalog Number
<b>Big Idea 3 - Investigation 7; FB2033</b>						
<b>Cancer and the Loss of Cell Cycle Control Advanced Inquiry Laboratory Kit</b>		1		\$15.70		FB2033
Scissors ( <i>optional</i> )		15		\$10.75		AP4396
Cellophane tape ( <i>optional</i> )					<i>Consumer product</i>	
<b>Big Idea 3 - Investigation 7; FB2001</b>						
<b>Sordaria Genetics Advanced Student Laboratory Kit</b>		1		\$79.35		FB2001
Bunsen burner, natural gas w/flame retainer *		15		\$25.75		AP8344
Burner tubing connector, 2'		15		\$17.75		AP1602
Butane Safety Lighter		15		\$8.05		AP8960
Microscope, Flinn Economy Compound - 4X, 10X, 40X		8		\$265.00		MS1121
Stereoscope, Flinn Standard - 2X, 4X, LED		15		\$365.00		MS1161
Dissecting Needle; Plastic handle; straight		15		\$0.41		AB1028
Incubator ( <i>shared</i> ) *		1		\$407.00		AP1565
Inoculating Loop, Nichrome Wire *		15		\$2.89		AP1051
Felt Tip Permanent Pen, Black		15		\$2.46		AP1297
Lens Paper, 4" x 6", 50 sheets		1		\$1.55		AB1175
Water, Distilled		1		\$8.65		W0001
OR						
Water Deionized		1		\$9.40		W0007
Spray bottle, 16 oz		15		\$5.70		AP5338
Pencil with eraser ( <i>optional</i> )		15		\$0.48		AP2007
Sordaria fimicola, Wild-type		1		\$11.45		LM1150
Sordaria fimicola, Tan Mutant		1		\$11.45		LM1219
Stirring Rod		1		\$0.43		GP5075
Autoclave, Electric portable		1		\$840.00		AP1004
Erlenmeyer flask, borosilicate glass, 1-L		1		\$10.15		GP3055
Plugs, Foam, white, 35-45 mm, pkg/10		1		\$6.35		AB1393
Gloves; Autoclave		1		\$32.00		AP8876
Parafilm M™, 2" x 250'		1		\$25.95		AP1500
Magnetic stirring bar with molded on pivot ring		1		\$4.85		AP5397
Magnetic stirrer/hot plate, 7" x 7"		1		\$489.70		AP8181
<b>Big Idea 3 - Investigation 8; FB2042</b>						
<b>Bacterial Transformation Advanced Inquiry Lab Kit</b>		1		\$109.05		FB2042
Automatic micropipet		10		\$204.70		AP8089
Micropipet tips, box/250		1		\$45.95		AP1808
Incubator ( <i>shared</i> )		1		\$407.00		AP1565
Felt Tip Permanent Pen, Black		10		\$2.46		AP1297
Floating Microcentrifuge Tube Racks		10		\$12.85		FB1671
Ultraviolet lamp, hand-held long wave ( <i>shared</i> )		1		\$35.90		AP1901

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Product/Item Name	Current Inventory Status	Quantity Recommended	Quantity Ordered	Unit Price	Total Price	Catalog Number
Water Bath, 0.5 L. ( <i>shared</i> )		2		\$309.95		AP7300
Pipet Filler		10		\$16.10		AP1887
Water, Distilled, 4L		1		\$8.65		W0001
OR						
Water Deionized, 4L		1		\$9.40		W0007
Digital Pocket Thermometer, Flinn		1		\$26.30		AP6049
Gloves; Autoclave		1		\$32.00		AP8876
Magnetic stirrer/hot plate, 7" x 7"		1		\$489.70		AP8181
<b>Big Idea 3 - Investigation 9; FB2043</b>						
<b>Restriction Enzyme Analysis of DNA Student Lab Kit</b>		<b>1</b>		<b>\$104.15</b>		<b>FB2043</b>
Balance, 0.01 g precision, 210 g capacity ( <i>shared</i> )		1		\$298.00		OB2141
Dual Power Pack, 70V & 125 V		1		\$212.25		FB0316
Six Gel Electrophoresis Apparatus		1		\$370.45		FB1713
Weighing dishes, disposable, 5-1/4" x 5-1/4" x 7/8" , pkg/500		1		\$68.40		AP1279
White Light Illuminator, Light Box, 10" x 12"		1		\$115.15		AP6395
Automatic micropipet ( <i>optional</i> )		6		\$204.70		AP8089
Micropipet tips ( <i>optional- needed with automatic micropipet</i> ), box/250		1		\$45.95		AP1808
Pipet Filler		6		\$16.10		AP1887
Beaker, 250 mL		6		\$3.40		GP1020
Water, Distilled, 4L		1		\$8.65		W0001
OR						
Water Deionized, 4L		1		\$9.40		W0007
Gloves; Autoclave		1		\$32.00		AP8876
Magnetic stirrer/hot plate, 7" x 7"		1		\$489.70		AP8181
<b>Big Idea 4 - Investigation 10; FB2049</b>						
<b>Energy Dynamics Advanced Inquiry Laboratory Kit</b>		<b>1</b>		<b>\$75.45</b>		<b>FB2049</b>
Mealworms, <i>Tenebrio</i> larvae, 100		1-2		\$12.15		LM1113
Balance, 0.01 g precision, 210 g capacity ( <i>shared</i> )		1		\$298.00		OB2141
Dissecting needle, plastic handle, straight		8		\$0.41		AB1028
Greenhouse with grow lights: (select one of the two below)						
Grow Lab II- Compact Indoor Garden (one tier)		1		\$280.00		FB1459
Jewel 74" Plantmobile (three tier)		1		\$1,244.80		FB0494
Gloves; Autoclave ( <i>shared</i> )		1		\$32.00		AP8876
Oven, Laboratory, 0.7 cu. Ft. ( <i>shared</i> )		1		\$494.85		AP1055
Felt Tip Permanent Pen, Black		8		\$2.46		AP1297
Animal Cage, Plastic, Medium		1		\$14.20		FB0511
Apples						<i>Consumer product</i>
Camera ( <i>optional, shared</i> )		1				<i>Consumer product</i>

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<b>Big Idea 4 - Investigation 11; FB2038</b>						
<b>Rate of Transpiration Advanced Inquiry Laboratory Kit</b>		<b>1</b>		<b>\$83.40</b>		<b>FB2038</b>
Balance, Flinn Electronic, 120 g capacity x 0.001 g precision		1		\$437.00		OB2143
Calculator, Scientific, 2-Line, TI-30X II S		8		\$26.75		AP5346
Scalpel, disposable, student		8		\$2.59		AB1047
Clamp, test tube		16		\$3.10		AP8217
Support stand, 5.5" x 8" x 19.5"		8		\$12.15		AP4550
Pan		1				<i>Consumer product</i>
Whole plants						<i>Consumer product</i>
Ruler, Metric/English, transparent, 30-cm		8		\$1.09		AP4685
Dissecting needle, plastic handle, straight		1		\$0.41		AB1028
Scissors		1		\$3.65		AP5394
<b>Big Idea 4 - Investigation 12; FB2037</b>						
<b>Fruit Fly Behavior Advanced Inquiry Laboratory Kit</b>		<b>1</b>		<b>\$76.00</b>		<b>FB2037</b>
Drosophila melanogaster: Order 3 weeks in advance with arrival one week before lab						
Wild-type (+)		1		\$8.35		LM1115
Felt Tip Permanent Pen, Black		8		\$2.46		AP1297
Ruler, Metric/English, transparent, 30-cm		8		\$1.09		AP4685
<b>Big Idea 4 - Investigation 13; FB2039</b>						
<b>Peroxidase Enzyme Activity Advanced Inquiry Lab Kit</b>		<b>1</b>		<b>\$77.25</b>		<b>FB2039</b>
Culture/Test Tubes, Borosilicate Glass, 13 x 100 mm		48		\$0.51		GP6010
Spectrophotometer, Flinn ( <i>Qty of 4 highly recommended</i> )		4		\$990.00		AP7026
Test Tube Rack, Polypropylene, submersible		8		\$15.75		AP1677
Timer, Count up/count down, with clock		8		\$37.05		AP8874
Water, Distilled, 4L		1		\$8.65		W0001
OR						
Water Deionized, 4L		1		\$9.40		W0007
Thermometer, Digital		8		\$26.30		AP6049
Pipet filler		8		\$16.10		AP1887
Graduated cylinder, 10 mL		1		\$9.00		GP2050
Knife, paring		1		\$5.20		AP9243
Turnip (root, tuber)		1				<i>Consumer product</i>
Blender, Two-speed		1		\$449.95		AP8477
Flask, Erlenmeyer, Borosilicate Glass, 500 mL		1		\$6.00		GP3050
Funnel, Short Stem, Fluted, Borosilicate Glass, 75 mm		1		\$12.30		GP5050
Filter Paper, Qualitative, 12.5 cm		1		\$46.00		AP8998

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<b>Recommended Supplementary Supplies</b>						
Regulation - AP Biology Review Demonstration Kit		1		\$68.60		FB1969
Structure and Function - AP Biology Review Demonstation Kit		1		\$80.70		FB1981
Explain and Predict — Practice Free Response Questions for AP Biology, set of 24 booklets		1		\$41.80		FB2091
Student Laboratory Notebook, Biology		24		\$20.60		FB2006
POGIL Activities for AP Biology		1		\$59.25		FB2047
Flinn's Online Chemventory™, 5 year license		1		\$349.00		SE3000

**Grand Total**

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