

HST science lab supplies list for use with:

Physics: The Foundational Science (12) 2nd Edition by Abeka Book, Inc

This order form lists the science equipment and materials Home Science Tools provides that are applicable to the above science curriculum. Items readily available at grocery stores and a few items not offered by Home Science Tools are not included. Home Science Tools is not affiliated with the above curriculum publisher.

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In Kit	Quantity Needed	Item Description	Curriculum Reference and Comments	Item Number	Unit Price
<input type="checkbox"/>	1	Lab Kit for use with Abeka Physics Grade 12	1-20 Contains the "X" marked items in the quantity we recommend. Order additional items as necessary to meet your needs.	AB-KIT12	\$251.95
<input checked="" type="checkbox"/>	1	Tape Measure, Steel, 3 meters	1,5,8,9,12,15,16	ME-TAPEMEA	\$3.20
<input checked="" type="checkbox"/>	1	Meterstick, 100 cm	1,7,12,15 Ships separately from kit.	ME-METER2	\$13.95
<input checked="" type="checkbox"/>	1	Optic Bench Kit	1,7,12,15 Use the parts from this kit in multiple labs	KT-OPBENCH	\$33.95
<input checked="" type="checkbox"/>	1	Aluminum Pie Plate, 5" diameter	2, 3, 6, 9, 10 Use as a weigh boat for the pocket scale.	PT-PIEPAN5	\$1.00
<input checked="" type="checkbox"/>	1	Superior Balance Digital Pocket Scale, 600 g capacity, 0.1 g precision	2, 3, 6, 9, 10 The platform on this pocket scale is small. The included pie plate can be used as a weigh boat as needed.	BS-SPB600	\$9.95
<input checked="" type="checkbox"/>	1	Rubber bands, 1.4 oz. bag	2, 4, 5, 6, 7, 8, 11 Use for weights and projectile launcher	GS-RUBBAND	\$1.95
<input checked="" type="checkbox"/>	5	5x8 poly bags, 1.5 mil	2, 4, 6, 7, 8, 11 Use these plastic bags to make weights for Labs 4, 6, 7, 8, 11	PK-BAG5X8	\$0.10
<input checked="" type="checkbox"/>	2	Graduated Cylinder, polypropylene, 50 ml	2,11	CE-CYPP50	\$2.90
<input checked="" type="checkbox"/>	1	Density Cylinders Set of 4	2,3 See our website for density cylinder masses and volume information.	MC-DENSCYL	\$13.95
<input checked="" type="checkbox"/>	1	Vernier Caliper	2,3,4 This is a manual caliper and comes in a blue pouch.	ME-CALIPER	\$7.95
<input checked="" type="checkbox"/>	2	Sand, coarse, 1 lb	2,4 Use to make weights for Labs 4,6,7,8 & 11.	GS-SANDCRS	\$1.70
<input type="checkbox"/>	1	Graduated Cylinder, polypropylene, 100 ml	3 Use the 50ml graduated cylinder.	CE-CYPP100	\$4.50
<input checked="" type="checkbox"/>	1	Spring scale, 100 g/1 N	3	BS-SCALE4	\$4.95
<input checked="" type="checkbox"/>	1	Vegetable Oil, 6 oz. (sold only in kits)	3 Use the vegetable oil in place of the laundry detergent for Lab 3 Part II	CH-VEGEOIL	\$3.95
<input checked="" type="checkbox"/>	2	Plastic Graduated Cup, 8 fl oz.	3, 11 Use these graduated cups for the coldwater in Lab 11	CE-GRADCUP	\$0.50
<input checked="" type="checkbox"/>	1	String, heavy cord, 25'	3,4,5,6,8,9,10	MC-STRING	\$2.30
<input checked="" type="checkbox"/>	2	Dowel, 1/8", 12" long (sold only in kits)	4 Use these smaller diameter dowels in place of pine rulers for Lab 4.	PT-DOWL125	\$0.30

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<input type="checkbox"/>	2	Weight, 50 g, with hook	4 Make your own 50, 100, 200 & 500 gram weights using a scale, sand, a rubber band and plastic bags.	BS-WTE050	\$4.85
<input checked="" type="checkbox"/>	2	C-clamp, 2"	4,5 Instead of clamps use heavy books or objects on top of the dowels instead of clamps.	GS-CLAMP	\$3.55
<input checked="" type="checkbox"/>	1	Corks, No. 2, pack of 2	5	CE-CORK02	\$0.95
<input checked="" type="checkbox"/>	1	Dowel, 1/4", 12" long	5 Use this 1/4" dowel for Lab 5 to make the launcher with the PVC pipe, screw eye hooks, and a rubber band. Photo displayed on Home Science Tools website.	PT-DOWL250	\$0.80
<input checked="" type="checkbox"/>	1	PVC Pipe, 1/2" Sch 40, 12" piece	5, 10, 12 Use this to build launcher in Lab 5 as it has a pre-drilled hole for a screw eye (1/4" dowel goes inside). See website for image. Use this PCV pipe in Lab 12 as a dowel rod to generate waves. Use this PVC pipe in place of glass tube for Lab 10.	PT-PVCPPIPE	\$1.45
<input checked="" type="checkbox"/>	1	Protractor, 6" semi-circle	5,6,8,12,14	ME-PROTRSM	\$0.99
<input checked="" type="checkbox"/>	1	Digital Stop Watch, 2"	5,8,10,12	ME-STOPWAT	\$5.95
<input checked="" type="checkbox"/>	1	Friction Block, wood	6	MC-BLOCK1	\$4.85
<input checked="" type="checkbox"/>	1	Spring scale, 500 g/5 Newton	6 Use the 500g/5Newton Spring Scale for Lab 6	BS-SCALE2	\$4.35
<input checked="" type="checkbox"/>	1	Wood Ramp, economy	6,7	MC-RAMP1	\$6.95
<input type="checkbox"/>	1	Weight Set, Hooked 10 to 1000g	6,7,8 Make your own 50, 100, 200 & 500 gram weights using a scale, sand, a rubber band and plastic bags.	BS-WTHOOK1	\$44.95
<input checked="" type="checkbox"/>	1	Burette Clamp	7	CE-CLAMP	\$7.80
<input checked="" type="checkbox"/>	1	Hooke's Law spring, 10 cm	7	MC-SPRHOOK	\$2.80
<input checked="" type="checkbox"/>	1	Support Stand, 4" x 6" base, 18" rod	7,8,9	CE-STAND2	\$14.95
<input checked="" type="checkbox"/>	1	Ball, wood, 2" diameter	9	PT-BALLWD2	\$2.55
<input checked="" type="checkbox"/>	2	Ball, wood, 3" diameter	9	PT-BALLWD3	\$7.45
<input checked="" type="checkbox"/>	10	Screw eye, brass, 9/16"	9 Use this to screw hooks for both Lab 5 launcher and Lab 9 to create the launcher with the PVC pipe and large diameter dowel.	PT-SCREYE2	\$0.10
<input checked="" type="checkbox"/>	1	Card stock, 110#, 8-1/2" x 11", white	9, 17	PT-CARDSTK	\$0.35
<input checked="" type="checkbox"/>	1	Centripetal Force Kit	10 Use the Centripetal Force Kit to study concepts in Lab 10.	MC-CENTRIP	\$10.50
<input checked="" type="checkbox"/>	2	Rubber stopper, #4, 1-hole	10, 16 Use the stoppers in place of erasers for Lab 16.	CE-STOP04A	\$0.70
<input type="checkbox"/>	1	Alcohol Lamp Burner, Wickless	11 Use a microwave or stove to heat water for Lab 11	CE-LAMP	\$13.95
<input type="checkbox"/>	1	Beaker Tongs	11 Kitchen tongs or a hot pad will work.	CE-TONBEAK	\$7.45

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<input checked="" type="checkbox"/>	1	Beaker Tongs	11	CE-TONBEAK	\$7.45
<input checked="" type="checkbox"/>	2	Beaker, glass, 250 ml	11	CE-BEI0250	\$2.95
<input checked="" type="checkbox"/>	2	Styrofoam Cup, 8 oz, each	11	PT-STYRCUP	\$0.15
<input checked="" type="checkbox"/>	1	Thermometer, Celsius, 12"	11	ME-THER30B	\$3.35
<input checked="" type="checkbox"/>	1	Thermometer, Celsius, 12"	11	ME-THER30B	\$3.35
<input checked="" type="checkbox"/>	1	Copper Wire, insulated, #24, 15'	11, 16,17,18, 19 Cut a piece of this insulated wire to make a stir rod if paper clips are not available.	EL-WIRE24H	\$2.60
<input checked="" type="checkbox"/>	2	Absorbent Pad, about 8" x 15" (sold only in kits)	12 Use this in place of sponges; roll up or fold	PT-ABSOPAD	\$1.40
<input checked="" type="checkbox"/>	1	Rubber Stopper, #0, solid	12	CE-STOP0XC	\$0.45
<input checked="" type="checkbox"/>	2	Clay, modeling, 4 oz. stick	12,13 Includes 2 sticks; color may vary. Substitute clay for paraffin blocks in Lab 12 and use as mirror stands in Lab 13.	GS-CLAY	\$2.45
<input checked="" type="checkbox"/>	1	Glass Plate, 5" x 5"	12,14 Use the mirrors and glass plate for the barriers in Lab 12. Create your own ripple tank with instructions in the lab book.	CE-GLASS5	\$2.25
<input checked="" type="checkbox"/>	1	Deluxe Red Laser Pointer	13	OP-LASRED	\$16.95
<input checked="" type="checkbox"/>	4	Mirror, glass plane, 4"x 2"	13 Mirrors can be used as barriers in Lab 12.	OP-MIRROR4	\$1.70
<input checked="" type="checkbox"/>	1	Prism, glass, 25mm x 75mm	14	OP-PRISM	\$8.70
<input checked="" type="checkbox"/>	1	Dissection Pins, 6 pack	14, 16, 17 Use these pins in place of sewing pins.	DE-PINS	\$0.85
<input checked="" type="checkbox"/>	2	Aluminum foil sheet, 9 x 10	16	PT-FOIL	\$0.25
<input checked="" type="checkbox"/>	1	Balloons, medium, 9"	16	GS-BALLOMD	\$0.35
<input checked="" type="checkbox"/>	1	Bar Magnets, 3" Alnico I, 2 pack	17	MG-BAR3AL	\$10.50
<input checked="" type="checkbox"/>	1	Battery, 9-volt, alkaline	17	EL-BALK-9V	\$3.25
<input checked="" type="checkbox"/>	1	Iron Metal Filings, 30 g	17 This comes in a small shrink wrapped vial for shipping.	CH-IRON	\$2.65
<input checked="" type="checkbox"/>	5	Bulb Socket, 1-bulb	18	EL-LAMPSOC	\$0.75
<input checked="" type="checkbox"/>	5	Bulb, screw style, 3.7-volt	18	EL-LAMP3.7	\$0.70
<input checked="" type="checkbox"/>	4	Battery Holder for D Cell	18, 19, 20	EL-BATTHLD	\$3.05
<input checked="" type="checkbox"/>	2	Battery, D, heavy duty, 2 pack	18, 19, 20	EL-BATTD2	\$2.50
<input checked="" type="checkbox"/>	3	Alligator Clip Leads, 2 pack	18,20	EL-ALCLIP2	\$2.45
<input checked="" type="checkbox"/>	1	Digital Multimeter	19	EL-DIGMULT	\$14.95
<input checked="" type="checkbox"/>	1	Capacitor, 100 microfarad	20 25V, 100mF capacitor	EL-CAP100M	\$0.25
<input checked="" type="checkbox"/>	1	LED, yellow, diffuse type, 5mm	20	EL-LEDYELL	\$0.35
<input checked="" type="checkbox"/>	1	Resistor, 30 ohm, 1/4 watt	20	EL-RES030	\$0.25

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