

HST science lab supplies list for use with:

Chemistry: Precision and Design (11), 3rd Edition by A Beka Book

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 A Beka Chemistry Grade 11	1-27 Contains the "X" marked items in the quantity we recommend. Order additional items as necessary to meet	AB-KIT11	\$412.95
<input type="checkbox"/>	0	MicroChem Kit	1-27 Optional. This kit is a suitable lower-cost alternative to doing the labs in the lab manual.	KT-MICCHEM	\$144.95
<input type="checkbox"/>	0	Digital Scale, 200 g x 0.01 g	3-8,10,11,17,18 Optional. A lower cost, digital alternative to BS-2610 . Although you will lose some precision, this is a very workable option for all labs in this curriculum. We recommend this digital scale as a faster, easier-to-use, and more economical alternative to a traditional mechanical balance.	BS-DB0200	\$56.95
<input checked="" type="checkbox"/>	1	Test Tube Brush, large	1,2,4-7,10,11,16,18,20,22,23	CE-TTBRSH2	\$1.35
<input checked="" type="checkbox"/>	1	Test Tube Rack, 6 holes	1,2,4-7,10,11,16,18,20,22,23	CE-TTRACK1	\$3.50
<input checked="" type="checkbox"/>	6	Test Tubes, large 16 x 150 mm, 2/pack	1,2,4-7,10,11,16,18,20,22,23	CE-TTUBELG	\$1.80
<input checked="" type="checkbox"/>	2	Beaker, glass, 250 ml	1,3,7,8,11,12,16,18,20,22,23	CE-BEI0250	\$2.30
<input checked="" type="checkbox"/>	2	Pipet (medicine dropper)	1,4,10,18,20,24	CE-DROPPER	\$0.45
<input checked="" type="checkbox"/>	1	Chemical Splash Safety Goggles, Adult	1-12,16-20,23	CE-GOGGLE1	\$3.20
<input checked="" type="checkbox"/>	1	Lab Apron No. 1, vinyl, 6 mil	1-12,16-20,23	CE-APRON1	\$3.90
<input checked="" type="checkbox"/>	1	Safety Gloves, size 8 - 8.5 Medium	1-12,16-20,23	CE-SGLOVEM	\$2.95
<input checked="" type="checkbox"/>	1	File, triangular	2,3,15,24	CE-FILE	\$4.95
<input checked="" type="checkbox"/>	2	Glass Tube, 5 mm, 12" long	2,3,15,24	CE-TUBEG12	\$0.80
<input checked="" type="checkbox"/>	1	Butane Gas Fuel Refill, 57 g (100 ml)	2,4,5,7,8,10-12,15-20,23 Additional fuel is available locally if needed.	UN-BUTFUEL	\$5.70
<input checked="" type="checkbox"/>	1	Portable Micro Lab Burner	2,4,5,7,8,10-12,15-20,23	CE-BURNLAB	\$53.95
<input checked="" type="checkbox"/>	1	Wire Gauze, ceramic center, 5"	2,4,5,7,8,11,17,18,19,23	CE-GAUZE	\$1.90
<input checked="" type="checkbox"/>	1	Test Tube Clamp	2,5,6,11,16	CE-TUBHOLD	\$1.85
<input checked="" type="checkbox"/>	1	Graduated Cylinder, glass, 100 ml	3,17,19	CE-CYGL100	\$6.30
<input checked="" type="checkbox"/>	1	Copper II Sulfate (cupric), 30 g	3,4,5,6,7 Aqueous ammonia is also needed for Lab 5 and will need to be purchased from another vendor.	CH-CUSO4	\$3.85
<input checked="" type="checkbox"/>	1	Filter Paper, 11 cm, 10 pack	3,4,8,16,24	CE-FILTPAP	\$1.30
<input checked="" type="checkbox"/>	1	Funnel, glass, 75mm dia.	3,4,8,24	CE-FUNGLS	\$3.25
<input checked="" type="checkbox"/>	1	Sodium Hydroxide, 30 g	3,5,10,20,21,22	UN1823	\$5.50
<input checked="" type="checkbox"/>	1	Weighing Boats, aluminum, 57 mm, 100 pack	3,5,6,8,12,17	BS-WHDSAL3	\$8.50

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<input checked="" type="checkbox"/>	1	Stirring Rod, glass, 6"	3,5-8,10,17,18,20,22	CE-STIRROD	\$0.70
<input checked="" type="checkbox"/>	1	Spatula, stainless steel	3,7,10,16,23	CE-SPATULA	\$2.00
<input checked="" type="checkbox"/>	1	Glycerin, 30 ml	3,9,11,15,17,24	CH-GLYCERN	\$4.30
<input checked="" type="checkbox"/>	1	Ring Support, 3"	3-5,7,8,17-19,21,23	CE-RING3	\$6.20
<input checked="" type="checkbox"/>	1	Support Stand, 4" x 6" base, 18" rod	3-5,7,8,17-19,21,23	CE-STAND2	\$13.95
<input checked="" type="checkbox"/>	1	Carbon, lumps, 30 g	4	CH-CARBON	\$5.05
<input checked="" type="checkbox"/>	1	Watch Glass, 100 mm	4,10,16,20	CE-WATCHLG	\$1.95
<input checked="" type="checkbox"/>	1	Evaporating Dish, 75 ml	4,18	CE-EVAPDSH	\$2.85
<input checked="" type="checkbox"/>	1	Chalk (calcium carbonate)	4,22	CH-CHALK	\$1.80
<input checked="" type="checkbox"/>	4	Rubber Stopper, #0, solid	4,5,11,23	CE-STOP0XC	\$0.35
<input checked="" type="checkbox"/>	1	Hydrochloric Acid, 30 ml	4,5,6,20,21,22	UN1789	\$6.10
<input checked="" type="checkbox"/>	1	Graduated Cylinder, glass, 10 ml	4,5,7,18,19,20,22	CE-CYGL10	\$4.50
<input checked="" type="checkbox"/>	1	Sulfur, 30 g	4,6,16	UN1350	\$3.75
<input checked="" type="checkbox"/>	2	Beaker, glass, 50 ml	4,7,10,18,21,22,24	CE-BEI0050	\$1.80
			Use other beakers included in this kit to complete the lab.		
<input type="checkbox"/>	1	Calcium Metal, turnings, 10 g	5	UN1401	\$12.20
<input checked="" type="checkbox"/>	1	Magnesium Ribbon, 60 cm	5	UN-MG	\$1.60
<input checked="" type="checkbox"/>	1	Potassium Iodide, 30 g	5	CH-KI	\$10.70
<input checked="" type="checkbox"/>	1	Sodium Bicarbonate, 30g	5	CH-NAHCO3	\$3.35
<input checked="" type="checkbox"/>	1	Sodium Sulfate, 30 g	5	CH-NA2SO4	\$3.65
<input checked="" type="checkbox"/>	1	Copper, metal electrode, 4"	5,24	EL-ELECTCU	\$2.00
<input checked="" type="checkbox"/>	2	Wire, zinc, 1/16" diameter, 6" long	5,6,11	PT-WIREZIN	\$1.75
<input checked="" type="checkbox"/>	1	Crucible & Beaker Tongs	5,7,15,17	CE-TONG	\$4.50
<input checked="" type="checkbox"/>	1	Lead Nitrate, 30 g	5,8	UN1469	\$5.05
			Potassium Iodide, not included in kit, will also be needed to complete Lab 5.		
<input checked="" type="checkbox"/>	1	Copper Wire, bare, #24, 25'	6	EL-WIRE24C	\$3.95
<input checked="" type="checkbox"/>	1	Sodium Carbonate, 30 g	6	CH-NA2CO3	\$3.65
<input checked="" type="checkbox"/>	1	Silver Nitrate, 2 g	6,10	UN1493	\$16.90
<input checked="" type="checkbox"/>	1	Calcium Chloride, 30 g	6,12	CH-CACL2	\$3.50
<input checked="" type="checkbox"/>	1	Potassium Chloride, 30 g	6,12	CH-KCL	\$3.50
<input checked="" type="checkbox"/>	1	Mortar and Pestle, 80 ml	6,16	CE-MORTAR	\$4.00
			Use to grind up sulfur and other chemicals into a finer powder. Complete this experiment in a well ventilated area or outside.		
<input checked="" type="checkbox"/>	1	Acetone, 30 ml	7	UN1090	\$4.20
<input checked="" type="checkbox"/>	1	Zinc Powder, 15 g	7	CH-ZNPOWD	\$4.90
<input type="checkbox"/>	1	Wash Bottle, 250 ml, Narrow Mouth	8	CE-WASHBTL	\$3.70
			Optional item.		
<input type="checkbox"/>	1	Wax pencil (marks glass)	8	BE-WAXPENC	\$1.30
			Use a black crayon		
<input checked="" type="checkbox"/>	1	Potassium Chromate, 30 g	8,20	UN-K2CRO4	\$5.10
<input checked="" type="checkbox"/>	1	Capillary Tubes, vial of 100	9	CE-CAPILL	\$8.20
<input checked="" type="checkbox"/>	1	Thermometer, Celsius, 12"	9,11,17,19	ME-THER30B	\$3.05
<input type="checkbox"/>	1	Ruler, 30 cm	9,24	ME-RULER	\$0.90

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<input checked="" type="checkbox"/>	1	Barium Hydroxide, 10 g	10	UN1564A	\$5.00
<input checked="" type="checkbox"/>	1	Fertilizer Soluble, 30 g	10	CH-FERTIL	\$4.95
<input type="checkbox"/>	1	Magnesium Sulfate, 100 g (Epsom salt)	10	CH-EPSOM	\$4.80
			Part III of Lab 10 is omitted from this kit. We do not sell all the components required. Purchase only if you find nitric acid elsewhere.		
<input checked="" type="checkbox"/>	1	Sulfuric Acid, 30 ml	10,20	UN1830	\$6.50
<input checked="" type="checkbox"/>	1	Ammonium Chloride, 30 g	10,22	CH-NH4CL	\$3.60
<input checked="" type="checkbox"/>	1	Litmus Paper, blue, 100 strips	10,22	CH-LITBLUE	\$1.60
<input checked="" type="checkbox"/>	1	Litmus Paper, red, 100 strips	10,22	CH-LITRED	\$1.60
<input checked="" type="checkbox"/>	1	Styrofoam Cups, 8 oz, 5 pack	11	CE-CUPSTYR	\$1.00
<input checked="" type="checkbox"/>	1	Beaker, glass, 400 ml	11,20	CE-BEI0400	\$2.95
			Use glass jars in place of 400 ml beakers 1, 2, 4 & 5 in Lab 19.		
<input checked="" type="checkbox"/>	1	Zinc, metal electrode, 4"	11,24	EL-ELECTZN	\$1.50
<input checked="" type="checkbox"/>	1	Lithium Chloride, 30 g	12	CH-LICL	\$5.10
<input checked="" type="checkbox"/>	1	Strontium Chloride, 10 g	12	CH-SRCL2	\$4.60
<input checked="" type="checkbox"/>	1	Wooden Splints, 20 pack	12,15,18	CE-SPLINTS	\$1.60
<input checked="" type="checkbox"/>	1	Molecular Model Set, Student	13	CE-MODELST	\$17.95
<input type="checkbox"/>	5	Styrofoam balls, 1" diameter, 4 pack	14	GS-STYBAL1	\$2.00
			Use the model set to complete this lab.		
<input checked="" type="checkbox"/>	3	Glass Plate, 5" x 5"	15	CE-GLASS5	\$1.85
<input checked="" type="checkbox"/>	1	Manganese Dioxide, 15 g	15	UN-MNO2	\$4.50
<input checked="" type="checkbox"/>	1	Rubber Stopper, # 6.5, 1-hole	15	CE-STOP06A	\$0.90
<input checked="" type="checkbox"/>	1	Rubber Tubing, 4.8 mm, 2' long	15	CE-TUBERU2	\$2.95
<input checked="" type="checkbox"/>	1	Erlenmeyer Flask, 250 ml	15,21	CE-FLAI250	\$4.20
			Complete labs one after another rather than simultaneously.		
<input type="checkbox"/>	1	Magnifying Glass, 2", 3X Lens	16	OP-MAGNIFY	\$2.30
<input checked="" type="checkbox"/>	1	Calcium Carbonate, chips, 30 g	17	CH-CACO3	\$4.05
<input checked="" type="checkbox"/>	1	Rubber Stopper, #6.5, 2-hole	17	CE-STOP06B	\$0.90
<input checked="" type="checkbox"/>	1	Aluminum Sulfate, 30 g, hydrated	18	CH-ALSO4	\$3.85
<input checked="" type="checkbox"/>	1	Calcium Acetate, 30 g	18	CH-CAACET	\$3.85
<input checked="" type="checkbox"/>	1	Iron III (ferric) Chloride, 30 g	18	UN-FECL3	\$3.85
<input checked="" type="checkbox"/>	1	Ethyl Alcohol, 95%, 30 ml	18,21	UN-ETHYALC	\$5.00
<input checked="" type="checkbox"/>	1	Formaldehyde, 30 ml	19	UN-FORMALD	\$5.95
<input checked="" type="checkbox"/>	1	Sodium Bisulfite, 30 g	19	CH-NAHSO3	\$3.65
<input checked="" type="checkbox"/>	1	Sodium Sulfite, 30 g	19	CH-NA2SO3	\$4.45
<input checked="" type="checkbox"/>	1	Phenolphthalein solution, 30ml	19,21	UN-PHENOLS	\$6.00
<input checked="" type="checkbox"/>	1	Graduated Cylinder, glass, 25 ml	19,22	CE-CYGL025	\$4.85
<input checked="" type="checkbox"/>	1	Cobalt II Chloride, 15 g	20	CH-COCL2	\$5.50
<input checked="" type="checkbox"/>	1	Burette Clamp	21	CE-CLAMP	\$6.90
<input checked="" type="checkbox"/>	1	Burette, 50 ml, Glass Bead Stopcock	21	CE-BURSET	\$14.40
<input checked="" type="checkbox"/>	1	Acetic Acid, 30 ml	22	UN2789	\$4.00
<input checked="" type="checkbox"/>	1	Methyl Orange, solution, 30 ml	22	CH-METHOR	\$4.50
<input checked="" type="checkbox"/>	1	Methyl Violet, 1 g	22	CH-METHVI	\$4.05

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<input type="checkbox"/>	1	pH 7.0 Calibration Solution, 5 packets	22 Order only if you purchase the digital pH meter.	ME-PH7PACK	\$5.40
<input type="checkbox"/>	1	pH Meter, Digital, 0-14 pH range	22 Order if you want to complete the lab with a digital pH meter.	ME-PHMETER	\$27.95
<input checked="" type="checkbox"/>	1	pH Papers, 1-14 range, 80 pack	22	CH-PHSTRIP	\$1.95
<input checked="" type="checkbox"/>	1	Sodium Acetate, 30 g	22	CH-NAACET	\$4.45
<input checked="" type="checkbox"/>	1	Thymol Blue, 15 ml	22	CH-THYMBLU	\$5.05
<input checked="" type="checkbox"/>	1	Nail assortment, 30 pieces	23	GS-NAILS	\$1.40
<input type="checkbox"/>	1	Alligator Clip Leads, 2 pack	24 Lab omitted due to cost.	EL-ALCLIP2	\$2.00
<input type="checkbox"/>	1	Brass Brads, 3/8", 100 pack	24 Lab omitted due to cost.	GS-BRADS	\$1.80
<input type="checkbox"/>	1	Copper II Nitrate (cupric), 30 g	24 Lab omitted due to cost.	UN1477A	\$4.50
<input type="checkbox"/>	1	Digital Multimeter	24 Lab omitted due to cost.	EL-DIGMULT	\$14.95
<input type="checkbox"/>	1	Sodium Nitrate, 30 g	24 Lab omitted due to cost.	UN1498	\$3.75
<input type="checkbox"/>	1	Tongue Depressors, 10 pack	24 Lab omitted due to cost.	GS-TONGDEP	\$1.25
<input type="checkbox"/>	1	Light, small beam penlight	25 Demonstration lab.	OP-LIGHT3	\$3.50
<input type="checkbox"/>	1	Isopropyl Alcohol, 90%, 30 ml	26 Demonstration lab.	UN-ISOPALC	\$3.25
<input type="checkbox"/>	1	Potassium Hydroxide, 30 g	27 Demonstration lab.	UN1813	\$4.50

Please Read Before Ordering

1. The products on this form are intended for parent/teacher use to complete curriculum lab activities with students. It includes items that are not designed or intended primarily for children ages 12 and under.
2. Some materials and many chemicals we provide are dangerous and may be harmful if misused. When you order from us, you are verifying that you understand the hazards associated with these items, and that you are assuming all responsibility for any injuries or damages resulting from the storage, use, and disposal of these items.
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