

HST science lab supplies list for use with:

Science Lifepac® Grade 11 by Alpha Omega Publications

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.

Pricing may change any time. Please order on our website for current pricing, availability, and shipping restrictions.

In Kit	Quantity Needed	Item Description	Curriculum Reference and Comments	Item Number	Unit Price
<input type="checkbox"/>	1	Lab Kit for LIFEPAC Science Grade 11	1-7 Contains the "X" marked items in the quantity we recommend. Order additional items as necessary to meet your needs.	AO-KIT1100	\$294.95
<input type="checkbox"/>	0	Home LED Microscope	7 We don't recommend buying a microscope just for this lab. It is used extensively in the 200-1000 series if you have younger children.	MI-4100LST	\$234.95
<input type="checkbox"/>	1	Digital Scale, 2000 g x 0.1 g	1,2,3,6,7 We recommend this digital scale as a faster, easier-to-use, and more economical alternative to a traditional mechanical balance. It will work for all labs in this curriculum.	BS-DB2000	\$51.95
<input checked="" type="checkbox"/>	1	Calcium Hydroxide, 30 g	1 Use to make limewater.	CH-CA(OH)2	\$3.65
<input checked="" type="checkbox"/>	1	Erlenmeyer Flask, 250 ml	1 Also use instead of 125 ml flask.	CE-FLAI250	\$4.65
<input type="checkbox"/>	1	Candle, 4" white	1,2	OP-CANDLE	\$1.05
<input checked="" type="checkbox"/>	1	Graduated Cylinder, glass, 100 ml	1,2,3,6,7	CE-CYGL100	\$6.90
<input type="checkbox"/>	1	Ruler, 30 cm	1,2,5	ME-RULER	\$0.90
<input checked="" type="checkbox"/>	1	Test Tube Brush, small	1,2,6,7	CE-TTBUSH	\$1.25
<input checked="" type="checkbox"/>	1	Test Tube Clamp	1,2,6,7	CE-TUBHOLD	\$2.05
<input checked="" type="checkbox"/>	1	Test Tube Rack, 6 holes	1,2,6,7	CE-TTRACK1	\$4.95
<input checked="" type="checkbox"/>	4	Test Tubes, large 16 x 150 mm, 2/pack	1,2,6,7 Do the experiments in series or use with small test tubes to get by with 4.	CE-TTUBELG	\$1.85
<input checked="" type="checkbox"/>	1	Graduated Cylinder, glass, 10 ml	1,6,7	CE-CYGL10	\$4.95
<input checked="" type="checkbox"/>	1	Battery Holder for D Cell	2	EL-BATTHLD	\$2.75
<input type="checkbox"/>	1	Battery, D, heavy duty, 2 pack	2	EL-BATTD2	\$2.30
<input checked="" type="checkbox"/>	1	Bulb Socket, 1-bulb	2	EL-LAMPSOC	\$0.70
<input checked="" type="checkbox"/>	1	Bulb, screw style, 1.5-volt	2	EL-LAMP1.5	\$0.65
<input checked="" type="checkbox"/>	1	Carbon Electrode Rod, 0.5" x 4"	2 A charcoal briquette will work.	EL-ELECTC	\$2.05
<input checked="" type="checkbox"/>	1	Clay Triangle, 2" pipe-stems	2	CE-TRIANGL	\$1.95
<input checked="" type="checkbox"/>	1	Copper Wire, insulated, #24, 15'	2	EL-WIRE24H	\$2.40
<input checked="" type="checkbox"/>	1	Funnel, plastic, 65 mm dia.	2	CE-FUNNEL	\$1.45
<input checked="" type="checkbox"/>	1	Glass Tube, 20 mm glass, 12" long	2	CE-TUBE20S	\$2.75
<input type="checkbox"/>	1	Magnifying Glass, 2", 3X Lens	2	OP-MAGNIFY	\$2.90
<input checked="" type="checkbox"/>	1	Paradichlorobenzene, 30 g	2	CH-MOTHCRY	\$3.95

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<input checked="" type="checkbox"/>	1	Rubber Stopper, #2, 1-hole	2	CE-STOP02A	\$0.45
<input checked="" type="checkbox"/>	1	Sand, fine, 1 lb.	2	GS-SANDFIN	\$1.75
<input checked="" type="checkbox"/>	1	Beaker, glass, 400 ml	2,3 Also use instead of a 250 ml beaker.	CE-BEI0400	\$3.40
<input checked="" type="checkbox"/>	1	Watch Glass, 100 mm	2,3 Fits 400 ml beaker.	CE-WATCHLGL	\$2.05
<input checked="" type="checkbox"/>	1	Ring Support, 4"	2,3,4	CE-RING4	\$7.10
<input checked="" type="checkbox"/>	1	Wire Gauze, ceramic center, 5"	2,3,4	CE-GAUZE	\$2.10
<input checked="" type="checkbox"/>	1	Support Stand, 4" x 6" base, 18" rod	2,3,4,6	CE-STAND2	\$14.95
<input checked="" type="checkbox"/>	1	Alcohol Lamp Burner, Wickless	2,3,4,7 Use instead of Bunsen burner.	CE-LAMP	\$12.95
<input type="checkbox"/>	1	Denatured Alcohol Fuel, 16 ounces	2,3,4,7 Optional. Order only if you don't want to purchase denatured alcohol locally for the alcohol lamp.	UN-ALCFUEL	\$8.70
<input type="checkbox"/>	2	Ethyl Alcohol, 95%, 30 ml	2,3,4,7 Optional. Order only if you don't want to purchase denatured alcohol locally for the alcohol lamp.	UN-ETHYALC	\$5.30
<input checked="" type="checkbox"/>	1	Beaker, glass, 600 ml	2,3,6	CE-BEI0600	\$5.30
<input checked="" type="checkbox"/>	1	Burette Clamp	2,3,6 You can get by with only 1 clamp instead of the 2 called for.	CE-CLAMP	\$7.10
<input checked="" type="checkbox"/>	2	Thermometer, Celsius, 12"	2,3,6	ME-THER30B	\$3.10
<input checked="" type="checkbox"/>	1	Chemical Splash Safety Goggles, Adult	2,3,6,7 Both student(s) and teacher should wear goggles in all labs using chemicals. Glasses are not adequate protection.	CE-GOGGLE1	\$5.60
<input checked="" type="checkbox"/>	1	Lab Apron No 3, plastic, 2 mil	2,3,6,7 Both student(s) and teacher should wear an apron in all labs using chemicals.	CE-APRON3	\$1.05
<input checked="" type="checkbox"/>	1	Safety Gloves, size 8 - 8.5 Medium	2,3,6,7 Always wear chemically resistant gloves when using chemicals. Order CE-SGLOVES for size 6, CE-SGLOVEM for size 8, CE-SGLOVEL for size 9, all the same price.	CE-SGLOVEM	\$4.95
<input checked="" type="checkbox"/>	1	Stirring Rod, glass, 6"	2,3,6,7	CE-STIRROD	\$0.75
<input checked="" type="checkbox"/>	1	Aluminum, metal electrode, 4"	2,4,7	EL-ELECTAL	\$1.85
<input checked="" type="checkbox"/>	1	Copper, metal electrode, 4"	2,4,7	EL-ELECTCU	\$2.05
<input checked="" type="checkbox"/>	1	Iron, metal electrode, 4"	2,4,7	EL-ELECTFE	\$2.05
<input checked="" type="checkbox"/>	1	Sulfur, 30 g	2,4,7	UN1350	\$3.75
<input checked="" type="checkbox"/>	1	Zinc, metal electrode, 4"	2,4,7	EL-ELECTZN	\$1.55
<input type="checkbox"/>	1	Cup, clear plastic, 9 oz, 3 pack	2,6 Use instead of buying three 250 ml beakers. Buy 6 packages if you don't have the 15 baby food jars needed.	CE-BEAKCUP	\$0.70
<input type="checkbox"/>	1	Forceps, stainless steel	2,6 Can use a pair of tweezers.	DE-FORCEP	\$2.15
<input checked="" type="checkbox"/>	1	Glass Tube, 5 mm, 3" long	2,6	CE-TUBEGLS	\$0.80
<input checked="" type="checkbox"/>	1	Rubber Stopper, #0, 1-hole	2,6	CE-STOP0XA	\$0.40
<input checked="" type="checkbox"/>	1	Glycerin, 30 ml	2,6,7	CH-GLYCERN	\$4.40
<input checked="" type="checkbox"/>	1	Filter Paper, 11 cm, 10 pack	2,7	CE-FILTPAP	\$1.50
<input checked="" type="checkbox"/>	1	Balloon Set of 9	3	GS-BALLOON	\$1.85

In Kit	Quantity Needed	Item Description	Curriculum Reference and Comments	Item Number	Unit Price
<input checked="" type="checkbox"/>	1	Boyle's Law Apparatus Kit	3 Optional. This pre-made air pressure-volume apparatus is more expensive but simpler to use.	MC-BOYLES	\$14.50
<input checked="" type="checkbox"/>	1	pH Papers, 1-14 range, 80 pack	3	CH-PHSTRIP	\$1.95
<input checked="" type="checkbox"/>	1	Sulfuric Acid, 30 ml	3	UN1830	\$6.75
<input type="checkbox"/>	0	Syringe, 60 cc	3 Not required if you buy MC-BOYLES.	CE-SYRIN60	\$2.65
<input type="checkbox"/>	1	Tape Measure, Flexible, 150 cm	3	ME-TAPE1	\$1.55
<input type="checkbox"/>	12	Weight, 200 g, with hook	3 You can also make your own sand-filled weights or use books of about equal mass. Not needed with MC-BOYLES.	BS-WTE200	\$6.25
<input checked="" type="checkbox"/>	1	Copper II Nitrate (cupric), 30 g	3,4	UN1477A	\$4.55
<input checked="" type="checkbox"/>	1	Zinc Powder, 15 g	3,4	CH-ZNPOWD	\$5.05
<input checked="" type="checkbox"/>	1	Sodium Hydroxide, 30 g	3,4,6	UN1823	\$5.80
<input type="checkbox"/>	4	Bottle, 250 ml (8 oz), natural HDPE plastic	3,6 Use for making and storing solutions. Can use baby food jars instead.	CE-BTP250N	\$1.45
<input checked="" type="checkbox"/>	1	Rubber Stopper, # 6.5, 1-hole	3,6 This stopper will also work for the air pressure-volume lab in 1103. Plug one end with a dowel or bolt.	CE-STOP06A	\$0.95
<input checked="" type="checkbox"/>	1	Bar Magnets, 1.2" ceramic, 2 pack	4	MG-BAR1C	\$1.75
<input checked="" type="checkbox"/>	1	Inoculating Needle with Looped End	4	BE-INOCUL	\$3.80
<input checked="" type="checkbox"/>	1	Lithium Chloride, 30 g	4	CH-LICL	\$7.40
<input checked="" type="checkbox"/>	1	Magnesium Ribbon, 60 cm	4	UN-MG	\$1.65
<input type="checkbox"/>	1	Slinky, metal, extra large	4 This extra long Slinky is best for this lab. It is required and used extensively in the 1200 series labs.	MC-SLINKY2	\$7.20
<input type="checkbox"/>	1	Friction pad, wool, 6x6"	4,5	GS-PADWOOL	\$1.95
<input checked="" type="checkbox"/>	1	Paper, special set, 10 sheets	4,5 Contains vinyl and acetate sheets and tissue paper needed.	GS-PAPERSP	\$2.45
<input checked="" type="checkbox"/>	1	Calcium Chloride, 30 g	4,6,7	CH-CACL2	\$3.85
<input type="checkbox"/>	0	Copper II Sulfate (cupric), 30 g	4,7 Optional. Only needed if you do the electrochemical cell lab.	CH-CUSO4	\$4.15
<input checked="" type="checkbox"/>	1	Potassium Chloride, 30 g	4,7	CH-KCL	\$3.55
<input checked="" type="checkbox"/>	1	Sodium Carbonate, 30 g	4,7	CH-NA2CO3	\$3.75
<input checked="" type="checkbox"/>	1	Spectroscope	4,7	OP-SPECTRO	\$5.80
<input checked="" type="checkbox"/>	1	Strontium Chloride, 10 g	4,7	CH-SRCL2	\$4.85
<input checked="" type="checkbox"/>	1	Wooden Splints, 20 pack	4,7	CE-SPLINTS	\$1.65
<input type="checkbox"/>	1	Nail assortment, 30 pieces	5	GS-NAILS	\$1.65
<input checked="" type="checkbox"/>	1	Styrofoam balls, 2" diameter, 2 pack	5 These balls are only 5 cm diameter but will work acceptably if you use small nails.	GS-STYBAL2	\$2.05
<input checked="" type="checkbox"/>	1	Acetic Acid, 30 ml	6 We recommend reducing the amount of solution you make by half or a factor of ten, allowing you to do the lab with only one bottle of acid.	UN2789	\$4.10
<input type="checkbox"/>	1	Alka-Seltzer tablets, 2 pack	6	CH-ALKASEL	\$0.80
<input checked="" type="checkbox"/>	1	Ammonium Nitrate, 30 g	6	UN1942	\$4.10

In Kit	Quantity Needed	Item Description	Curriculum Reference and Comments	Item Number	Unit Price
<input type="checkbox"/>	4	Bottle, dropper, 30 ml	6 Use for making and storing solutions. Can use baby food jars instead.	CE-BTGDROP	\$1.65
<input checked="" type="checkbox"/>	1	Ferrous Sulfate (Iron II), 30 g	6	CH-FESO4	\$3.55
<input checked="" type="checkbox"/>	1	Phenolphthalein solution, 30ml	6	UN-PHENOLS	\$6.25
<input checked="" type="checkbox"/>	1	Pipet, disposable, 1 ml, 10 pack	6 Use instead of eye droppers.	CE-PIPET	\$2.25
<input checked="" type="checkbox"/>	1	Potassium Chromate, 30 g	6	UN-K2CRO4	\$5.15
<input checked="" type="checkbox"/>	1	Potassium Permanganate, 30 g	6	UN1490	\$4.80
<input checked="" type="checkbox"/>	1	Rubber Tubing, 4.8 mm, 2' long	6	CE-TUBERU2	\$2.90
<input checked="" type="checkbox"/>	1	Silver Nitrate, 2 g	6	UN1493	\$16.95
<input checked="" type="checkbox"/>	1	Calcium Carbonate, chips, 30 g	6,7 Use in place of chalk.	CH-CACO3	\$4.10
<input checked="" type="checkbox"/>	1	Hydrochloric Acid, 30 ml	6,7 You can get by with only one bottle if you make only the volumes of dilute acid needed to do each lab. Otherwise buy 2 bottles or muriatic acid from the hardware store.	UN1789	\$6.05
<input checked="" type="checkbox"/>	6	Rubber Stopper, #0, solid	6,7	CE-STOP0XC	\$0.40
<input type="checkbox"/>	0	Ammonium Hydroxide, 30 ml	7 Optional. Use household ammonia if you have it.	UN2672	\$5.65
<input type="checkbox"/>	1	Ascorbic Acid, 5 g (vitamin C)	7 Use vitamin C tablets if available.	CH-ASCORB	\$4.40
<input checked="" type="checkbox"/>	1	Iron III (ferric) Chloride, 30 g	7 For heptahydrate form use 1.8 times the weight in book.	UN-FECL3	\$4.30
<input type="checkbox"/>	0	Lead Nitrate, 30 g	7 Optional. Only needed if you do the electrochemical cell lab.	UN1469	\$5.05
<input type="checkbox"/>	1	Microscope Slide Set, Basic	7	MS-SLIDSET	\$7.95
<input type="checkbox"/>	0	Mortar and Pestle, 80 ml	7 Optional. You can use a knife handle, etc. to crush the salt crystals.	CE-MORTAR	\$4.45
<input type="checkbox"/>	0	Sodium Nitrate, 30 g	7 Optional. Only needed if you do the electrochemical cell lab.	UN1498	\$4.05
<input checked="" type="checkbox"/>	1	Sodium Tetraborate, 30 g (Borax)	7	CH-NA2B4O7	\$3.75
<input type="checkbox"/>	1	Molecular Model Set, Small	8,9 Optional. Will help students visualize molecular structures.	CE-MODELSM	\$18.95

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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