

HST science lab supplies list for use with:

Chemistry (11) 4th Edition by Bob Jones University Press

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 Bob Jones Chemistry 11	1-19 Contains the "X" marked items in the quantity we recommend. Order additional items as necessary to meet your needs. Some chemicals required in this course are not supplied by Home Science Tools. We recommend skipping labs 2B, 12B, 15, and 16B.	BJ-KIT11	\$281.95
<input type="checkbox"/>	0	MicroChem Kit	1-19 Optional. This kit is a suitable lower-cost alternative to doing the labs in the lab manual.	KT-MICCHEM	\$144.95
<input type="checkbox"/>	1	Bob Jones Chemistry 11 Lab Manual	All Labs	BJ-SCI11-D	\$30.80
<input type="checkbox"/>	1	Bob Jones Chemistry 11 Teacher's Edition	All Labs	BJ-SCI11-C	\$76.65
<input type="checkbox"/>	1	Bob Jones Chemistry 11 Teacher's Lab Manual	All Labs	BJ-SCI11-E	\$35.80
<input type="checkbox"/>	1	Bob Jones Chemistry 11 Textbook	All Labs	BJ-SCI11-B	\$69.15
<input type="checkbox"/>	1	Alcohol Lamp Burner, Wickless	Several Labs You need a burner but one is not included in the kit. This alcohol burner is a lower cost option to the lab burner we recommend.	CE-LAMP	\$11.50
<input checked="" type="checkbox"/>	2	Beaker, glass, 150 ml	Several Labs Use for 100ml beaker 11A and extra 250ml beakers in 12A.	CE-BEI0150	\$2.10
<input checked="" type="checkbox"/>	1	Beaker, glass, 250 ml	Several Labs	CE-BEI0250	\$2.30
<input type="checkbox"/>	1	Butane Gas Fuel Refill, 57 g (100 ml)	Several Labs This is butane fuel for the Lab Burner. It is also available at the grocery store.	UN-BUTFUEL	\$5.70
<input checked="" type="checkbox"/>	1	Chemical Splash Safety Goggles, Adult	Several Labs Should be used by both student and teacher when using chemicals. Order extras as needed.	CE-GOGGLE1	\$3.20
<input checked="" type="checkbox"/>	1	Clay Triangle, 2" pipe-stems	Several Labs	CE-TRIANGL	\$1.90
<input checked="" type="checkbox"/>	1	Crucible & Beaker Tongs	Several Labs	CE-TONG	\$4.50
<input type="checkbox"/>	1	Denatured Alcohol Fuel, 16 ounces	Several Labs This is alcohol fuel for the alcohol burner if you choose to order it.	UN-ALCFUEL	\$8.40
<input type="checkbox"/>	1	Digital Platform Scale, 300 g x 0.01 g	Several Labs We recommend this scale. It is accurate to 0.01g for all labs. It is not included in kit.	BS-DBX0300	\$35.95
<input checked="" type="checkbox"/>	1	Funnel, glass, 75mm dia.	Several Labs	CE-FUNNGLS	\$3.25
<input checked="" type="checkbox"/>	1	Graduated Cylinder, glass, 10 ml	Several Labs	CE-CYGL10	\$4.50
<input checked="" type="checkbox"/>	1	Lab Apron No. 1, vinyl, 6 mil	Several Labs Should be used by both student and teacher when using chemicals. Order extras as needed.	CE-APRON1	\$3.90

In Kit	Quantity Needed	Item Description	Curriculum Reference and Comments	Item Number	Unit Price
<input checked="" type="checkbox"/>	4	Pipet (medicine dropper)	Several Labs	CE-DROPPER	\$0.45
<input type="checkbox"/>	1	Portable Micro Lab Burner	Several Labs You need a burner but one is not included in the kit. We recommend this one but you can also use an alcohol burner.	CE-BURNLAB	\$53.95
<input checked="" type="checkbox"/>	1	Ring Support, 4"	Several Labs	CE-RING4	\$6.95
<input checked="" type="checkbox"/>	1	Safety Gloves, size 8 - 8.5 Medium	Several Labs 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	\$2.95
<input checked="" type="checkbox"/>	1	Support Stand, 4" x 6" base, 18" rod	Several Labs	CE-STAND2	\$13.95
<input type="checkbox"/>	1	Test Tube Brush, small	Several Labs	CE-TTBRUSH	\$1.15
<input checked="" type="checkbox"/>	1	Test Tube Rack, 20 mm, 40 holes	Several Labs	CE-TTR2040	\$6.95
<input checked="" type="checkbox"/>	2	Test Tubes, large 16 x 150 mm, 2/pack	Several Labs	CE-TTUBELG	\$1.80
<input checked="" type="checkbox"/>	1	Thermometer, Celsius, 12"	Several Labs Use instead of four 10ml beakers in 11A. While not accurate to 0.1°C, this thermometer is adequate for these labs.	ME-THER30B	\$3.05
<input checked="" type="checkbox"/>	2	Watch Glass, 100 mm	Several Labs These will work for all labs requiring watch glasses.	CE-WATCHLG	\$1.95
<input checked="" type="checkbox"/>	1	Wax pencil (marks glass)	Several Labs	BE-WAXPENC	\$1.30
<input type="checkbox"/>	1	Weighing Paper, 4" x 4", 500 sheets	Several Labs Use 4" squares of wax paper or white paper.	BS-WHPAPR4	\$9.75
<input checked="" type="checkbox"/>	1	Wire Gauze, ceramic center, 5"	Several Labs	CE-GAUZE	\$1.90
<input checked="" type="checkbox"/>	1	Sand, fine, 1 lb.	2A, 18B Use table salt (NaCl) from home.	GS-SANDFIN	\$1.50
<input checked="" type="checkbox"/>	1	Vernier Caliper	2A, 2B, 4A	ME-CALIPER	\$6.75
<input checked="" type="checkbox"/>	1	Evaporating Dish, 75 ml	2A, 6, 9C	CE-EVAPDSH	\$2.85
<input checked="" type="checkbox"/>	1	Filter Paper, 11 cm, 10 pack	2A, 8, 11A, 12A	CE-FILTPAP	\$1.30
<input checked="" type="checkbox"/>	1	Bar Magnets, 1.2" ceramic, 2 pack	2B	MG-BAR1C	\$1.70
<input type="checkbox"/>	1	Sulfur, 30 g	2B Follow the instructions in the teacher's lab manual to make iron sulfide from iron and sulfur.	UN1350	\$3.75
<input type="checkbox"/>	1	Magnifying Glass, 2", 3X Lens	2B, 11B Optional.	OP-MAGNIFY	\$2.30
<input checked="" type="checkbox"/>	1	Spatula, stainless steel	2B, 4A, 9C, 10B	CE-SPATULA	\$2.00
<input checked="" type="checkbox"/>	1	Iron Metal Filings, 30 g	2B, 6 Use as an unknown for lab 6.	CH-IRON	\$2.40
<input checked="" type="checkbox"/>	1	Hydrochloric Acid, 30 ml	2B, 9C, 13B, 14, 16A	UN1789	\$6.10
<input type="checkbox"/>	1	Meterstick, 100 cm	3A Optional, you can just use the ruler with multiple measurements.	ME-METER2	\$11.50
<input type="checkbox"/>	1	Recording Timer Paper Tape	3A Optional, just tape 1" wide strips of paper together.	MC-TAPE	\$2.00
<input checked="" type="checkbox"/>	1	Ruler, clear plastic, 15 cm	3A, 3B, 5, 10A, 12B	DE-RULER	\$0.90
<input checked="" type="checkbox"/>	1	Ruler, 30 cm	3A,3B,5,10A,12B	ME-RULER	\$0.90
<input checked="" type="checkbox"/>	1	Lithium Chloride, 30 g	4A We supply chloride salts to reduce cost.	CH-LICL	\$5.10

In Kit	Quantity Needed	Item Description	Curriculum Reference and Comments	Item Number	Unit Price
<input checked="" type="checkbox"/>	1	Sodium Nitrate, 30 g	4A Use table salt (NaCl) from home to test a sodium pair.	UN1498	\$3.75
<input checked="" type="checkbox"/>	1	Spectroscope, Quantitative	4A Use incandescent, fluorescent and LED lights from around your home.	OP-SPEQUAN	\$9.70
<input checked="" type="checkbox"/>	1	Strontium Chloride, 10 g	4A We just supply chloride salts to reduce cost.	CH-SRCL2	\$4.60
<input checked="" type="checkbox"/>	1	Wooden Splints, 20 pack	4A	CE-SPLINTS	\$1.60
<input checked="" type="checkbox"/>	1	Potassium Nitrate, 30 g	4A, 13B	UN1486	\$4.50
<input checked="" type="checkbox"/>	1	Iron III (ferric) Chloride, 30 g	4A, 15 Use as an additional chloride salt for lab 4A.	UN-FECL3	\$3.85
<input checked="" type="checkbox"/>	2	Beaker, glass, 50 ml	4A, 17A, 18A, 19 Use mix of 50ml and 150ml beakers for 3-4 50ml beakers in 18A and 19A.	CE-BEI0050	\$1.80
<input checked="" type="checkbox"/>	1	Potassium Chloride, 30 g	4A, 6, 15 We just supply chloride salts to reduce cost for 4A. Use as an unknown for lab 6.	CH-KCL	\$3.50
<input checked="" type="checkbox"/>	1	Battery, 9-volt, alkaline	6 For conductivity tester.	EL-BALK-9V	\$2.95
<input type="checkbox"/>	1	Candle, 4" white	6 Use a small part of any candle for paraffin wax in lab 6.	OP-CANDLE	\$1.00
<input checked="" type="checkbox"/>	1	Copper Wire, insulated, #24, 15'	6 For conductivity tester.	EL-WIRE24H	\$2.15
<input checked="" type="checkbox"/>	1	LED, red, diffuse type, 5 mm	6 For conductivity tester.	EL-LEDRED	\$0.30
<input checked="" type="checkbox"/>	1	Resistor, 1K ohm, 1/4 watt	6 For conductivity tester.	EL-RES001K	\$0.20
<input checked="" type="checkbox"/>	1	Acetone, 30 ml	6, 11A, 18B Use 10ml for 6 and 20ml for 11A.	UN1090	\$4.20
<input checked="" type="checkbox"/>	1	Clay, modeling, 1/4 lb.	7	GS-CLAY	\$2.10
<input type="checkbox"/>	1	Molecular Model Set, Student	7 Optional, but recommended instead of clay and toothpicks.	CE-MODELST	\$17.95
<input type="checkbox"/>	1	Boric Acid, 30 g	8 Optional to make base spill neutralizing solution.	CH-BORIC	\$3.00
<input checked="" type="checkbox"/>	1	Copper Powder, 30 g	8 Use instead of copper wool for lab 8.	CH-CUPOWD	\$5.15
<input checked="" type="checkbox"/>	1	Stirring Rod, glass, 10"	8, 10A, 12AB	CE-STIR10	\$0.85
<input type="checkbox"/>	1	Graduated Cylinder, glass, 25 ml	8, 10B Optional. Use the 10ml or 100ml graduated cylinders.	CE-CYGL025	\$4.85
<input checked="" type="checkbox"/>	1	Sodium Hydroxide, 30 g	8, 16B, 18B	UN1823	\$5.50
<input checked="" type="checkbox"/>	1	Sulfuric Acid, 30 ml	8, 17B, 18A	UN1830	\$6.50
<input checked="" type="checkbox"/>	1	Crucible & Lid, 15 ml, high form	8, 9A, 9B	CE-CRUCIBL	\$1.90
<input checked="" type="checkbox"/>	1	Sodium Bicarbonate, 30g	8, 9C, 18A	CH-NAHCO3	\$3.35
<input checked="" type="checkbox"/>	1	Stirring Rod, glass, 10"	8,10A,12AB	CE-STIR10	\$0.85
<input checked="" type="checkbox"/>	1	Magnesium Ribbon, 60 cm	9A, 13B, 17A	UN-MG	\$1.60
<input checked="" type="checkbox"/>	1	Sandpaper, 1 sheet medium grit	9A, 13B, 17A	PT-SANDPAP	\$1.50
<input checked="" type="checkbox"/>	1	Copper II Sulfate (cupric), 30 g	9B, 18B Use for the hydrate salt in 9B.	CH-CUSO4	\$3.85
<input checked="" type="checkbox"/>	1	Wash Bottle, 250 ml, Narrow Mouth	9C, 12A, 16B	CE-WASHBTL	\$3.70
<input checked="" type="checkbox"/>	1	Capillary Tubes, vial of 100	10A	CE-CAPILL	\$8.20

In Kit	Quantity Needed	Item Description	Curriculum Reference and Comments	Item Number	Unit Price
<input checked="" type="checkbox"/>	1	Beaker, glass, 600 ml	10AB, 13AB Use instead of 1000ml beaker in 10A and 400ml beaker in 13A.	CE-BEI0600	\$4.50
<input type="checkbox"/>	1	Aneroid Barometer	10B Optional, get local barometric pressure online.	AS-BAROM3	\$22.95
<input checked="" type="checkbox"/>	1	Glass Tube, 5 mm, 12" long	10B	CE-TUBEG12	\$0.80
<input checked="" type="checkbox"/>	1	Glass Tube, 5 mm, 3" long	10B	CE-TUBEGLS	\$0.75
<input type="checkbox"/>	1	Graduated Cylinder, polypropylene, 250 ml	10B	CE-CYPP250	\$4.80
<input checked="" type="checkbox"/>	1	Hydrogen Peroxide, 30 ml	10B	UN-PEROXID	\$5.50
<input checked="" type="checkbox"/>	1	Manganese Dioxide, 15 g	10B	UN-MNO2	\$4.50
<input checked="" type="checkbox"/>	1	Pinch Clamp	10B	CE-PINCHCL	\$1.25
<input checked="" type="checkbox"/>	1	Rubber Stopper, #6.5, 2-hole	10B	CE-STOP06B	\$0.90
<input checked="" type="checkbox"/>	1	Rubber Tubing, 4.8 mm, 2' long	10B	CE-TUBERU2	\$2.95
<input checked="" type="checkbox"/>	1	Rubber Stopper, #0, 1-hole	10B, 13AB	CE-STOP0XA	\$0.35
<input checked="" type="checkbox"/>	1	Erlenmeyer Flask, 250 ml	10B, 15, 16B, 17B Use instead of a 500ml flask for lab 10B and 125ml flask for 17B.	CE-FLAI250	\$4.20
<input checked="" type="checkbox"/>	1	Marbles, pack of 15	11A	GS-MARBLSM	\$1.00
<input checked="" type="checkbox"/>	1	Mineral Oil, Klearol, 30 ml	11A	CH-MINROIL	\$3.90
<input type="checkbox"/>	1	Digital Stop Watch with Case, 2"	11A, 14 Optional, use a stopwatch app on your phone.	ME-STOPWAT	\$5.50
<input checked="" type="checkbox"/>	2	Test Tubes, small 13 x 100 mm, 6/pack	11A, 14, 16A	CE-TTUBESM	\$3.00
<input checked="" type="checkbox"/>	4	Rubber Stopper, #0, solid	11A, 15	CE-STOP0XC	\$0.35
<input checked="" type="checkbox"/>	1	Ethyl Alcohol, 95%, 30 ml	11A, 18A	UN-ETHYALC	\$5.00
<input type="checkbox"/>	1	Mineral Study Kit, 15 specimens	11B Optional, research minerals online.	RM-MISTUDY	\$15.50
<input type="checkbox"/>	1	Cup, clear plastic, 8 oz, 3 pack	12A Optional. We omitted materials for lab 12A to reduce cost. Use instead of multiple 250ml beakers.	CE-BEAKCUP	\$0.70
<input type="checkbox"/>	1	Fertilizer Soluble, 30 g	12A Optional. We omitted materials for lab 12A to reduce cost.	CH-FERTIL	\$4.95
<input type="checkbox"/>	1	Lids, plastic, 9 oz, 3 pack	12A Optional. We omitted materials for lab 12A to reduce cost. Use instead of multiple watch glasses.	GS-LID9OZ	\$0.50
<input type="checkbox"/>	1	Protozoa Culture Kit	12A Optional, use to make pond or ditch water. Make 4-5 days in advance. We make materials for lab 12A optional.	LM-PROTIST	\$6.95
<input type="checkbox"/>	1	pH Meter, Digital, 0-14 pH range	12A, 16A We omitted materials for lab 12A to reduce cost.	ME-PHMETER	\$27.95
<input checked="" type="checkbox"/>	1	Ammonium Chloride, 30 g	12B	CH-NH4CL	\$3.60
<input checked="" type="checkbox"/>	1	Copper Metal Shot, 30 g	13A	CH-CUPELL	\$6.80
<input checked="" type="checkbox"/>	1	Styrofoam Cups, 8 oz, 5 pack	13A, 13B	CE-CUPSTYR	\$1.00
<input checked="" type="checkbox"/>	1	Test Tube Clamp	13AB, 15, 18A	CE-TUBHOLD	\$1.85
<input checked="" type="checkbox"/>	1	Graduated Cylinder, glass, 100 ml	13AB, 16A, 17B Use the 100ml graduated cylinder repeatedly instead of 250ml for lab 10B.	CE-CYGL100	\$6.30
<input type="checkbox"/>	1	Deluxe Red Laser Pointer	14 Optional. We omitted materials for lab 14 to reduce cost.	OP-LASRED	\$14.95

In Kit	Quantity Needed	Item Description	Curriculum Reference and Comments	Item Number	Unit Price
<input type="checkbox"/>	1	Sodium Thiosulfate, 30 g	14 Optional. We omitted materials for lab 14 to reduce cost.	CH-NA2S2O3	\$3.85
<input type="checkbox"/>	2	Burette, 50 ml, PTFE Stopcock	14, 16B, 17B Optional. We omitted materials for labs 14, 16B and 17B to reduce cost.	CE-BUR50SC	\$26.95
<input type="checkbox"/>	1	Deluxe Double Burette Clamp	14, 16B, 17B Optional. We omitted materials for labs 14, 16B and 17B to reduce cost.	CE-CLPLINC	\$8.95
<input checked="" type="checkbox"/>	1	Potassium Thiocyanate, 30 g	15	CH-KSCN	\$4.55
<input checked="" type="checkbox"/>	1	Methyl Orange, solution, 30 ml	16A	CH-METHOR	\$4.50
<input checked="" type="checkbox"/>	1	Methyl Red, 0.02% solution, 15 ml	16A	CH-METHRED	\$4.40
<input checked="" type="checkbox"/>	1	Thymol Blue, 15 ml	16A	CH-THYMBLU	\$5.05
<input checked="" type="checkbox"/>	1	Acetic Acid, 30 ml	16A, 17A, 18A Also use for unknown acid in lab 16A. Can also be diluted to make vinegar in 17A.	UN2789	\$4.00
<input type="checkbox"/>	1	Phenolphthalein solution, 30ml	16B Optional. We omitted materials for lab 16B to reduce cost.	UN-PHENOLS	\$6.00
<input type="checkbox"/>	1	Potassium Hydrogen Phthalate, 15g	16B Optional. We omitted materials for lab 16B to reduce cost.	CH-POTHPHL	\$3.60
<input checked="" type="checkbox"/>	1	Alligator Clip Leads, 2 pack	17A	EL-ALCLIP2	\$2.00
<input checked="" type="checkbox"/>	1	Carbon Electrode Rod, 0.5" x 4"	17A Use instead of pencil leads.	EL-ELECTC	\$1.95
<input type="checkbox"/>	1	Digital Multimeter	17A Optional. Most of the lab can be done without it.	EL-DIGMULT	\$14.95
<input checked="" type="checkbox"/>	1	Zinc, metal electrode, 4"	17A	EL-ELECTZN	\$1.50
<input checked="" type="checkbox"/>	1	Ferrous Sulfate (Iron II), 30 g	17B	CH-FESO4	\$3.50
<input checked="" type="checkbox"/>	1	Potassium Permanganate, 30 g	17B	UN1490	\$4.50
<input checked="" type="checkbox"/>	1	Methyl Alcohol, anhydrous, 30 ml	18A	UN-METHALC	\$3.50
<input checked="" type="checkbox"/>	1	Salicylic Acid Powder, 30 g	18A	CH-SALICYL	\$5.90
<input checked="" type="checkbox"/>	1	Isopropyl Alcohol, 90%, 30 ml	18A, 19	UN-ISOPALC	\$3.25
<input checked="" type="checkbox"/>	1	Mortar and Pestle, 80 ml	18B	CE-MORTAR	\$4.00
<input checked="" type="checkbox"/>	1	Cork, No. 9	19	CE-CORK09	\$0.75
<input checked="" type="checkbox"/>	1	Wire, copper, 14 gauge, 6"	19 Use corn or vegetable oil and table salt (NaCl) from home.	PT-WIRECOP	\$0.75

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.
3. Prices may change any time. Order on our website for current pricing, availability, and shipping restrictions.
4. We guarantee that you will be happy with every purchase from HST. All products are covered by our 90-day money-back guarantee.