



KIT CONTENTS LIST FOR USE WITH: Earth Science (Grade 8)
5th Edition
BJU Press®

Home Science Tools is not affiliated with the above curriculum publisher.

<u>Text Reference</u>	<u>Item Description</u>	<u>Item Quantity</u>	<u>Notes</u>
	BJU Press Earth Science 8 Lab Manual <i>(BJ-SCI08-D)</i>		Purchase the student Lab Manual separately. Kit designed for use with the lab manual experiments.
	BJU Press Earth Science 8 Teacher Lab Manual <i>(BJ-SCI08-E)</i>		Purchase Teacher Edition Lab Manual separately. Kit designed for use with the lab manual experiments.
	BJU Press Earth Science 8 Teacher's Edition <i>(BJ-SCI08-C)</i>		Purchase the Teacher's Edition separately.
	BJU Press Earth Science 8 Textbook <i>(BJ-SCI08-B)</i>		Purchase the Textbook separately.
	Chemical Splash Safety Goggles, Adult <i>(CE-GOGGLE1)</i>	1	
	Digital Scale, 2000 g x 0.1 g <i>(BS-DB2000)</i>		Required. Purchase a scale separately from our website. We recommend this scale for all labs in the curriculum.
	Gloves, Nitrile, Size Medium, Pair <i>(GS-GLOVNIT)</i>	4	
	Lab Apron No. 2, heavy vinyl, 8 mil <i>(CE-APRON2)</i>	1	
	Ruler, 30 cm <i>(ME-RULER)</i>		Use any ruler from home, the included tape measure or one purchased from your local supply store to complete the experiments.
1C, 17C, 18A, 20A, 21A	Colored Pencils <i>(BE-CPENCIL)</i>		Use any pencils, markers, or crayons to complete experiments.
2A	Density Cylinders Set of 4 <i>(MC-DENSCYL)</i>	1	Use the density cylinders in place of wood blocks
2B, 10A, 13A	Pipet, disposable, 1 ml, 10 pack <i>(CE-PIPET)</i>	1	
2B, 13A	Graduated Cylinder, polypropylene, 25 ml <i>(CE-CYPP025)</i>	1	You can get by with one graduated cylinder by doing the steps of the labs sequentially (2B).
2B, 18A	Glycerin, 30 ml <i>(CH-GLYCERN)</i>	1	
3A	Washers, 1" diameter, each <i>(PT-WASHBLK)</i>	1	Use as a weight.
3A, 25A	Straws, clear plastic <i>(PT-STRAWCL)</i>	1	
3A, 3B, 7A, 22A, 22B, 23B, 24B	Protractor, 6" semi-circle <i>(ME-PROTRSM)</i>	1	
3A, 3B, 9A, 9B, 15B, 23A, 24B, 25A	String, heavy cord, 25' <i>(MC-STRING)</i>	1	
3B	Inflatable Novelty Globe, 12" <i>(AS-INGLOBE)</i>		Use a basketball, soccer ball or any ball about 12" diameter to complete experiments.
3B	Tape Measure, Flexible, 150 cm <i>(ME-TAPE1)</i>	1	
3B	Wooden splints, 5 pack <i>(CE-SPLINTS5)</i>	1	
3B, 11A, 17A, 19A	Clay, modeling, 4 oz. stick <i>(GS-CLAY)</i>	2	DO NOT DISCARD. Clay will be re-used for activities.
3B, 22B	LED Flashlight, 25 Lumens <i>(OP-LIGHT4)</i>		Use any flashlight from home in place of overhead projector or spotlight. Optional to purchase separately from our website or from your local supply store.

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4A	Candle, 4" white (OP-CANDLE)		Use any candle from home or purchased from your local supply store.
4A, 25A	Digital Stop Watch, 2" (ME-STOPWAT)		Use a cell phone, watch, timer in place of a stopwatch.
7A, 25A	Tape Measure, 30m/100ft (ME-TAPE100)		Optional to purchase separately from our website.
9A	Alum, 100 g (CH-ALUM)	1	
9A	Electric Hot Plate (CE-HOTELEC)	1	Use a pan and stove instead to heat.
9A, 10B, 12B	Magnifying Glass, 2", 3X Lens (OP-MAGNIFY)	1	
9A, 11A	Stirring rod, polypropylene, 6" long (CE-POLYROD)		Use a spoon from home.
9A, 11A, 17B	Magnesium Sulfate, 100 g (CH-EPSOM)	1	
9A, 14B, 18A, 18B	Food Coloring, 4 colors (CH-FOODCOL)	1	
9A, 9B, 10B, 11A, 12A	Beaker, glass, 250 ml (CE-BEI0250)	1	Use a glass or mason jar, etc
9B	Bar Magnets, 1.2" ceramic, 2 pack (MG-BAR1C)	1	
9B	Plate, ceramic, 1x2" (RM-STREAKC)	1	
9B, 10B, 12A	Classroom Collection of Rocks and Minerals, 50 Specimens (RM-RMCOLL)	1	All rock species are numbered with a corresponding key, and the student lab manual includes mineral identification resources in Appendix B.
9B, 18A	Extension Clamp, 10" (CE-CLMPEXT)	1	
9B, 18A	Right Angle Clamp (CE-RCLAMP)	1	
9B, 18A	Support Stand, 4" x 6" base, 18" rod (CE-STAND2)	1	
9B, 18B	Plate, glass, 2x2" (RM-STREAKG)	1	
10A	Clay, coarse powder, 1 lb. (GS-CLAYPOW)	1	
10A, 11A, 15B, 17A	Sand, fine, 1 lb. (GS-SANDFIN)	1	
10A, 12A, 17A	Pebbles, fine gravel, 1 lb. (GS-PEBBLE)	1	
10A, 13A	Powder Funnel, plastic, 80 mm diameter (CE-FUNPWDR)	1	
10B, 12A	Bottle, 60 ml (2 oz), amber glass, Boston round (CE-BTAG060)	1	Use to store the diluted hydrochloric acid.
10B, 12A	Hydrochloric Acid, 100 ml (UN1789-100)	1	This chemical must be diluted for experiments. Refer to the included dilution instructions or Teacher's Guide.
11A	Petri Dishes, polystyrene, 90 x 15 mm, 2 pack (BE-PETRI1)		Use any bowl to perform experiment.
11A, 13B, 17A, 17B	Cup, clear plastic, 9 oz, 3 pack (CE-BEAKCUP)	1	
11A, 14A	Graduated Cylinder, polypropylene, 250 ml (CE-CYPP250)	1	
11A, 17A	Plaster of paris, 4 oz. (GS-PLASTER)	2	
12A	Heat-Resistant Leather Gloves (CE-GLVLEAM)	1	
12A, 14A	Watch Glass, 100 mm (CE-WATCHLG)	1	
13A	Graduated Cylinder, polypropylene, 10 ml (CE-CYPP10)		Use the 25 mL cylinder included.

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13A	Stirring Rod, glass, 10" (CE-STIR10)	1	
13A, 14A, 14B, 18A	Beaker, polypropylene, 50 ml (CE-BEA050P)	1	
13B, 15B, 18B	Beaker, polypropylene, 1000 ml (CE-BEA1LP)		Use 250ml graduated cylinder and large bowl to make salt water.
14A	Bottle, 250 ml (8 oz), natural HDPE plastic (CE-BTP250N)		Optional to purchase separately from our website as needed.
14A	Funnel, plastic, 65 mm dia. (CE-FUNNEL)	1	
14A	Hydrometer and Thermometer for Saltwater (ME-HYDROM1)	1	
15B	Bottle, 60 ml (2 oz), natural HDPE plastic (CE-BTP060N)		Optional to purchase separately from our website as needed.
15B, 18B	Graduated Cylinder, polypropylene, 500 ml (CE-CYPP500)		Use the 250 mL cylinder included.
16B	Jar, 125 ml (4 oz), plastic (CE-BTPE4OZ)		Optional to purchase separately from our website as needed.
16B	Nitrate & Nitrite Test Strips, 5 pack (CH-NOTESTS)	1	
16B	Phosphate Test Strips, 5 pack (CH-POTESTS)	1	
17A	Marker, black, permanent (BE-MARKBLK)		Use any marker to complete experiment.
17B	Rubber Stopper, #0, solid (CE-STOP0XC)	4	
17B	Test Tube Rack, 6 holes (CE-TTRACK1)		Optional to purchase separately from our website. Use a glass to hold the test tubes
17B	Test Tubes, large 16 x 150 mm (CE-TTUBELG)	2	
18A	Glass Tube, 5 mm, 12" long (CE-TUBEG12)	1	
18A	Rubber Stopper, #10, 1-hole (CE-STOP10A)	1	
18B	Cup, paper, 8 oz (PT-CUPPAP)	1	
18B	Styrofoam Cup, 8 oz, each (PT-STYRCUP)	1	
18B, 19B	Plastic Student Thermometer (ME-THERMPL)	4	
19A	Paper Clips, small, 100/box (GS-PCLIPSM)		Use any paperclips from home or purchased from your local supply store.
19A, 22A	Dowel, 1/4", 12" long (PT-DOWL250)	2	
19A, 22A	Foam pinning board, 8x12 (PT-FOA0812)	2	
19B	Cheesecloth, bleached (GS-CHCLOTH)	1	
19B	Rubber band, size 16 (PT-RUBBA16)		Use any rubberbands from home or purchased from your local supply store.
19B	Screw, flat head, #8 x 3/4" (GS-SCREW)	1	
20C	Aneroid Barometer (AS-BAROM3)		Use an online source to gather barometric information.
22A	Compass, magnetic, 1.5" (GS-COMPASS)	1	
22B, 24B	Tape Measure, Steel, 3 meters (ME-TAPEMEA)	1	Use in place of the meterstick (22B)
23A	Thumbtacks, 100 pack (GS-TACKS)		Use any tacks from home or purchased from your local supply store.

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24A	Brass Brads, 3/8", 100 pack <i>(GS-BRADS)</i>		Substitute with the dowel or pen to complete the experiment.
24A	Construction paper, white <i>(PT-PAPCSWH)</i>	3	
24B	Dissection Pins, 6 pack <i>(DE-PINS)</i>	1	
25A	Balloon, long, 10" <i>(GS-BALLOXL)</i>	1	

1. The products in this kit are intended for parent/teacher use to complete curriculum lab activities with students.
2. Some items are not designed for or intended primarily for children ages 12 and under.
3. Some materials and many chemicals we provide are dangerous and may be harmful if misused. With your purchase, you are assuming all responsibility for any injuries or damages resulting from the storage, use, and disposal of all materials and chemicals.
4. Some products may differ from the web image (such as clay, food coloring, etc.)
5. Some items readily available at grocery stores or not offered by Home Science Tools are not included.
6. We guarantee that you will be happy with every purchase from HST. All products are covered by our 90-day money-back guarantee.

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