

abeka®

KIT CONTENTS LIST FOR USE WITH:

Science: Earth and Space (Grade 8)
2nd Edition

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>
Multiple	Chemical Splash Safety Goggles, Adult (CE-GOGGLE1)	1	
1.3	Baking soda, 50 g (CH-BSODA50)	1	Use this in place of ammonia for a weak base
1.3	Beaker, glass, 600 ml (CE-BEI0600)	2	Use the 400 mL beakers instead for this experiment.
1.3	Calcium Carbonate, chips, 30 g (CH-CACO3)	1	Use this in place of garden lime.
1.3	Electric Hot Plate (CE-HOTELEC)	0	This hot plate is not needed as the pH indicator solution is included in the kit.
1.3	Red Cabbage Indicator Jiffy Juice Kit (KT-JIFFYJU)	1	Use this kit in place of boiling red cabbage leaves.
1.3	Spatula, stainless steel (CE-SPATULA)	1	
1.3, 1.4, 1.5, 3.1, 4.2, 7.1, 7.2, 8.2, 8.3, 9	Beaker, glass, 400 ml (CE-BEI0400)	3	
1.3, 1.4, 1.5, 4.2	Clay, coarse powder, 1 lb. (GS-CLAYPOW)	1	
1.3, 1.4, 1.5, 4.2	Peat Moss (GS-PEATMOS)	2	
1.3, 1.4, 1.5, 4.2	Sand, coarse, 1 lb (GS-SANDCRS)	1	
1.3, 1.4, 7.1	Stirring Rod, glass, 10" (CE-STIR10)	1	
1.3, 2.2, 11.1	Drawing Paper, white, 9"x12" (PT-PAPDRAW)	4	white printer paper
1.3, 2.2, 7.1, 7.2, 10.1	Ruler, 30 cm (ME-RULER)	1	
1.3, 7.1	Beaker, glass, 50 ml (CE-BEI0050)	2	
1.3, 7.1, 12.2	Acetic Acid Solution 1 M, 100 mL (CH-ACETIC)	1	Use in place of household vinegar. No need to dilute.
1.3, 8.2, 8.3	Petri Dishes, polystyrene, 90 x 15 mm, 2 pack (BE-PETRI1)	2	Includes 4 petri dishes. Use the lid and base of the petri dishes in place of the watch glass.
1.3, 8.3	Pipet (medicine dropper) (CE-DROPPER)	1	
1.4	3"x5" ziplock bags, 2 mil (PK-ZIP3X5)	3	
1.4	Dissecting Tray, Styrofoam (DE-TRAYS)	1	Use for foam plate.
1.4	Fabric Sample, Cotton (sold only in kits) (PT-FABCOTT)	3	Use in place of old cotton towel
1.4	Fertilizer, liquid, 2 oz (CH-FERTLIQ)	1	
1.4	Graduated Cylinder, polypropylene, 25 ml (CE-CYPP025)	1	
1.4, 2.2	Superior Balance Digital Pocket Scale, 600 g capacity, 0.1 g precision (BS-SPB600)	1	

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1.4, 2.2, 4.1, 5.3	Styrofoam Cup, 12 oz, each <i>(PT-STYCUP12)</i>	8	Reuse cups as possible.
1.4, 4.1	Seeds, baby lima bean, pack <i>(LM-SEEDBEA)</i>	2	
1.4, 4.2, 6.2, 7.2, 8.4	Food Coloring, 4 colors <i>(CH-FOODCOL)</i>	2	2 colors included in kit
1.4, 4.2, 6.2, 9.3	Plastic kit box and cover (sold only in kits) <i>(PT-KITBOX)</i>	1	Use in place of can for 9.3
1.4, 7.1, 8.2, 12.3	Gloves, Nitrile, Size Medium, Pair <i>(GS-GLOVNIT)</i>	4	
1.5	Can, tin, small <i>(PT-CANSMAL)</i>	3	Place on top of wire screen and beaker instead of using a ring stand.
1.5	Coffee Filter <i>(PT-COFFILT)</i>	3	
1.5	Ring Support, 4" <i>(CE-RING4)</i>	3	Use the wire screen on top of the beaker.
1.5	Screen, 20 mesh, steel, 4x4" <i>(GS-SCREEN)</i>	3	Use in between beaker and small tin can instead of ring stand and support
1.5	Support Stand, 4" x 6" base, 18" rod <i>(CE-STAND2)</i>	3	Use the wire screen on top of the beaker.
1.5, 10.1	Digital Stop Watch, 2" <i>(ME-STOPWAT)</i>	0	Use any digital timer such as a cell phone timer.
1.5, 9.3	Graduated Cylinder, polypropylene, 100 ml <i>(CE-CYPP100)</i>	1	
1.5, 9.3	Rubber bands, 1.4 oz. bag <i>(GS-RUBBAND)</i>	1	
2.2	Gelatin, unflavored, packet <i>(PT-GELATIN)</i>	1	
2.2	Marshmallows, Mini, 10 oz <i>(CE-MARSHMI)</i>	1	
2.2	Toothpicks, pack <i>(GS-TOOTHPI)</i>	1	
2.2, 3.1, 4.2, 7.2, 10.1, 12.3	String, heavy cord, 25' <i>(MC-STRING)</i>	1	String can be used in place of yarn. Use string to measure in 7.2
2.2, 4.1	Granite, Gray-White Specimen <i>(RM-GRANITE)</i>	2	Pink with black speckles; Use as weight in 2.2
2.2, 4.1	Red Sandstone Specimen <i>(RM-SANDSTO)</i>	2	Red; Use as weight in 2.2
2.2, 4.1, 12.2	Limestone, fossiliferous <i>(RM-LIMESTO)</i>	2	Light gray and porous; Use as weight in 2.2
2.2, 4.1, 7.1, 9.3	Marker, black, permanent <i>(BE-MARKBLK)</i>	1	Use any marker or drawing utensil
3.1	Spring scale, 100 g/1 N <i>(BS-SCALE4)</i>	1	
3.1, 4.1	Copper piece <i>(EL-CUDISC)</i>	1	Small copper piece marked "Cu" and can be used in place of a penny
3.1, 4.1	Mineral Study Kit, 15 specimens <i>(RM-MISTUDY)</i>	1	
3.1, 4.1	Nail, 6D, bright finish <i>(PT-NAIL6F)</i>	1	
3.1, 4.1	Plate, ceramic, 1x2" <i>(RM-STREAKC)</i>	1	
3.1, 4.1	Plate, glass, 2x2" <i>(RM-STREAKG)</i>	1	Wrapped piece of clear glass.
4.1	Water Balloons, 3" <i>(GS-BALLOWT)</i>	1	Single small balloon.
4.1, 4.2, 6.2, 7.1	Cup, clear plastic, 9 oz <i>(PT-CUP9OZ)</i>	6	Use plastic cups in place of 250mL beakers for Investigation 4.1 and cut a cup for Investigation 4.2 and 6.2. Use in place of 50mL beaker in Investigation 7.2
4.1, 5.3	Plaster of paris, 4 oz. <i>(GS-PLASTER)</i>	2	
4.2	Epsom salt, food grade, 1 lb or 450 g <i>(CH-FGEPSON)</i>	1	

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4.2, 10.1	Washers, 1" diameter, each (PT-WASHBLK)	2	
5.3	General Purpose Paint Brush (GS-PTBRSH)	1	
5.3	Seashell, individual (PT-SEASHEL)	1	
5.3, 6.2	Vegetable Oil, 2 oz. (sold only in kits) (CH-OIL2OZ)	1	
6.2, 12.3	Clear 17oz bottle with cap (CE-BTCL502)	1	Use clear plastic bottle in place of a gallon jug to create smaller experiment version
7.1	Crucible & Beaker Tongs (CE-TONG)	1	
7.1	Steel Wool (GS-STLWOOL)	2	
7.1	Test Tubes, large 16 x 150 mm (CE-TTUBELG)	2	
7.1, 9.3	Straws, clear plastic (PT-STRAWCL)	4	
7.2	Alcohol Lamp Stand (CE-STAND1)	1	
7.2	Candle, 4" white (OP-CANDLE)	1	
7.2	Clay, modeling, 4 oz. stick (GS-CLAY)	1	Use the clay as candle holder.
7.2	LED Flashlight, 25 Lumens (OP-LIGHT4)	1	
7.2	Matches, pack of 32 (GS-MATCHES)	1	
7.2	Paper, blotter, 2 sheets 9x12" (GS-PAPERBL)	1	Thick white paper in a 9x12 sheet (thicker than cardstock)
7.2	Paper, construction, 12 sheets (GS-PAPERCS)	2	Pack includes black, yellow, white, red, blue, green
7.2, 12.2	Chalk (calcium carbonate) (CH-CHALK)	1	
7.2, 8.2	Aluminum Pie Plate, 5" diameter (PT-PIEPAN5)	5	Use one pie plate for Check It Out 8.2
7.2, 9.3	Plastic Student Thermometer (ME-THERMPL)	2	
8.2	8oz Distilled Water in bottle (CH-DISTH2O)	1	
8.2, 9.3	Glass Jar, 16 oz size (GS-JAR16OZ)	1	Use the 400mL beaker for 8.2 and 9.3
9.3	Cotton Balls, 12 count (GS-CTTNBL)	1	
9.3	Dowel, 1/4", 12" long (PT-DOWL250)	1	
9.3	School Glue, 4oz (PT-SCHGLUE)	1	
9.3	Weather Center (AS-WEACENT)	0	Optional to purchase separately for a barometer and hygrometer.
9.3, 12.3	Balloons, medium, 9" (GS-BALLOMD)	2	
10.1, 11.1	Meterstick, 100 cm (ME-METER2)	1	
10.2	Celestron Binoculars, 10 x 50 (OP-BI2023)	0	Optional to purchase separately to complete the activity.
11.1	Lens, double convex, 150mm f/l (OP-LEN4X15)	1	
11.1	Lens, double convex, 50mm f/l (OP-LEN4X05)	1	
11.1	Optic Bench Lens Holder, metal (OP-LENHLDS)	2	
11.1	Optic Bench Object Screen (OP-SCREEN)	1	
11.1	Optic Bench Screen Holder (OP-SCRNHLD)	1	

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11.1	Optic Bench Supports, pair <i>(OP-SUPPORT)</i>	1	
11.1	Spectroscope <i>(OP-SPECTRO)</i>	1	
12.3	Lab Apron No 3, plastic, 2 mil <i>(CE-APRON3)</i>	0	Recommend to purchase separately if you plan to use garden manure instead of kitchen waste for Science Investigation 12.3

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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