

**KIT CONTENTS LIST FOR USE WITH: Discovering Design with Chemistry  
Berean Builders**

*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>
1.2 and several others	Graduated Cylinder, polypropylene, 50 ml <i>(CE-CYPP50)</i>	2	
1.2 and several others	Pipet (medicine dropper) <i>(CE-DROPPER)</i>	2	
1.2, 2.1, 5.1, 13.1	Funnel, plastic, 65 mm dia. <i>(CE-FUNNEL)</i>	1	Can be used for experiment 7.2 instead of turkey baster.
1.2, 3.1, 4.1, 10.4	Ruler, clear plastic, 15 cm <i>(DE-RULER)</i>		Use any ruler, 15cm. Order separately or find at local supply store.
1.3 and several others	Beaker, glass, 250 ml <i>(CE-BE10250)</i>	1	
1.3 and several others	Digital Pocket Scale, 750 g x 0.1 g <i>(BS-SPB500)</i>	1	
2.1	Filter Paper, 11 cm, 10 pack <i>(CE-FILTPAP)</i>	1	
2.1 and several others	Alcohol Lamp Stand <i>(CE-STAND1)</i>	1	
2.1 and several others	Alcohol Lamp, glass <i>(CE-LAMP2)</i>	1	
2.1 and several others	Beaker, glass, 100 ml <i>(CE-BE10100)</i>	1	
2.1 and several others	Denatured Alcohol Fuel, 16 ounces <i>(UN-ALCFUEL)</i>	1	
2.2, 7.3, 8.1	Watch Glass, 100 mm <i>(CE-WATCHLG)</i>	1	Can be used instead of plate for Experiment 3.2, 9.3, & 10.2
2.3, 10.4, 15.2	Hydrogen Peroxide 30%, 30 ml <i>(UN-PEROXID)</i>		Can be found in your local grocery store. This product is concentrated and will need to be diluted for the experiment. Order separately.
2.3, 10.4	Yeast, packet <i>(LM-YEAST)</i>		Enough for all three experiments. Store in a cool, dry place in between experiments. Find at local supply store or order separately.
3.2 and several others	Copper II Sulfate (cupric), 30 g <i>(CH-CUSO4)</i>	1	
3.2, 9.2, 9.4	Strontium Chloride, 10 g <i>(CH-SRCL2)</i>	1	
4.1	Bird Feather <i>(PT-FEATHLG)</i>		Purchase if you do not have a feather. Order separately.
4.2	5x8 poly bags, 1.5 mil <i>(PK-BAG5X8)</i>		Can use ziploc bags. Order separately or find at local supply store.
4.2, 4.3, 6.4	Battery, 9-volt, alkaline <i>(EL-BALK-9V)</i>		Order separately or find at local supply store.
4.3	Thumbtacks, 100 pack <i>(GS-TACKS)</i>		thumbtacks, order separately or find at local supply store.
4.3, 12.2	Cup, clear plastic, 9 oz <i>(PT-CUP9OZ)</i>	3	
5.1 and several others	Balloon Set of 9 <i>(GS-BALLOON)</i>	1	
5.2	Magnifying Glass, 2", 3X Lens <i>(OP-MAGNIFY)</i>		Optional for the experiment. Order separately.
6.1, 9.4, 10.4, 13.2	Thermometer, Fahrenheit & Celsius, 12" <i>(ME-THER30A)</i>	1	

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6.3	Nail, 16D, bright box (PT-NAIL16C)	1	
6.3 and several others	Test Tubes, large 16 x 150 mm (CE-TTUBELG)	2	
7.1, 9.1, 12.1, 16.3	Stirring Rod, glass, 10" (CE-STIR10)	1	
7.3	Alka-Seltzer tablets, 2 pack (CH-ALKASEL)	1	
9.2, 11.2, 11.3, 14.1	Sodium Hydroxide, 30 g (UN1823)	1	
10.1	Clay, modeling, 4 oz. stick (GS-CLAY)		clay, find at local supply store or order separately.
10.1	Jar, 125 ml (4 oz), plastic (CE-BTPE4OZ)		Plastic jar 125ml, use any jar. Order separately or find at local supply store.
10.4	String, heavy cord, 25' (MC-STRING)		string, heavy cord. Order separately or find at local supply
11.1	Litmus Paper, blue, 100 strips (CH-LITBLUE)	1	
11.1	Litmus Paper, red, 100 strips (CH-LITRED)	1	
12.2 and several others	Styrofoam Cup, 8 oz, each (PT-STYRCUP)	5	Save the cup with the saltwater from Experiment 12.2 for later experiments.
12.3	Battery, AA, alkaline, 4 pack (EL-BALK-AA)		Order separately or find at local supply store.
13.1	Candle, 4" white (OP-CANDLE)		Use any candle. Order separately or find at local supply store.
14.2	Rubber band, size 16 (PT-RUBBA16)	1	
15.1	Antacid Tablets, 12 pack (CH-ANTAC12)	1	
16.2	Ammonium Hydroxide, 30 ml (UN2672)		Can be found in your local grocery store. This product is concentrated and will need to be diluted for the experiment. Order separately.
Several Labs	Chemical Splash and Impact Safety Goggles, Adult (CE-GOGGLE1)	1	Recommended for teacher and student when using strong chemicals.
Several Labs	Lab Apron No 3, plastic, 2 mil (CE-APRON3)	1	Recommended for teacher and student when using strong chemicals.
Several Labs	Safety Gloves, size 8 - 8.5 Medium (CE-SGLOVEM)	1	Always wear chemically resistant gloves when using chemicals.

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.
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