

WHAT'S INSIDE THIS BOOK?

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Lab Supply List

Items are listed by unit in the order in which they are first needed. + means an item will be needed for later labs also. The amounts listed are totals for the entire course. Most items are common household items.

* means the item requires some explanation. Ordering hints or explanations are given on the next page.

UNIT	EQUIPMENT / MATERIAL	AMOUNT
1+	Teaspoon	3
1+	Clear glass	3
1	Dish	3
1+	Kitchen towel	1
1	Box of cereal	1
1+	Confectionery sugar	2 ¾ cups
1+	Baking powder	1 cup
1	Baby powder	¾ cup
1+	White vinegar	5 cups
1+	Cooking oil (vegetable oil)	2 cups
1+	Food coloring (blue)	1 bottle
1	Dish soap	1
2+	Balloons	6
2	Almond extract	1 T
2+	Water (tap)	1 -2 gallons
2+	Cinnamon	2 T
2	Lemon, orange, or peppermint extract	1 T
2+	Magnifying glass (hand lens)	1
2	½ teaspoon measuring spoon	1
2	Permanent marker	1
2+	Crayons or colored pencils	1 box
2	Construction Paper (8 ½" x 11")	1
2+	School glue (Elmer's glue)	2 bottles
2	Inflated balloon	1
2	Mirror	1
2	Carpet or fabric sofa	1
2	Aluminum foil	
2	Pencil lead or a sharpened pencil	1
2	Mini marshmallows (all one color)	1 bag
2+	Regular-size marshmallows (two colors)	2 bags + 4
2+	Blank sheets of paper 8 ½" x 11"	20
2+	Kitchen scale that measures grams	1
2+	Scissors	1
3+	Lemon juice	1 cup
3+	Paintbrush	1
3+	Heat source, such as a lamp	1
3+	Pot holder	2
3+	Milk	1 ½ cup
3+	Measuring cup	various sizes
3+	Stapler	1
3+	Internet access	
3+	Chemistry books/encyclopedias	
3	Frozen water in a baggie	1 cup
3	Brown sugar	1 cup
3	Grapes	1 cup
3	Grape juice	1 cup

UNIT	EQUIPMENT / MATERIAL	AMOUNT
3+	Re-sealable baggies	10
3+	Peanut butter	1 small jar
3	Powdered milk	1 cup
3	Honey	¼ cup
3+	Wooden spoon	1
3+	One-gallon freezer baggie	4
3+	Mixing bowl	1
3+	Tablespoon	1
3+	Fork	1
3+	Table salt	1 ½ cups
3	Salt substitute (potassium chloride)	¼ cup
3	Cooked potato	1
3	Crushed ice	2 cups
3+	Small cup	2
3	1/8 teaspoon measuring spoon	1
3+	Thermometer (science or kitchen-type*)	2
3+	Eggs	7
3+	Flour	3 cups
3+	Granulated sugar	5 cups
3	Cinnamon sugar (optional)	1 T
3	Muffin pan	1
3	Muffin cup liners	12
3	Whisk	1
3+	Oven and stove top with a timer	1
4	12" x 12" card stock (different colors)	10 sheets
4	Glue stick	1
4+	Distilled water	10 cups
4	Epsom salt	3 T
4	Black construction paper 8 ½" x 11"	1
4	20 Mule Team Borax*	2 t
4	Grated Styrofoam or polystyrene beads*	1 cup
4+	Food coloring	1 bottle
4	Small cake pan	1
4	Graham crackers	2
4+	Baking sheet / cookie sheet	1
4	Brown colored pencil	1
4	Egg whites	3
4	Parchment paper	
4	Shortening or nonstick spray	
4	Electric mixer	1
4+	Pot	1
4+	Knife	1
4+	Hydrogen peroxide	1 bottle
4	Raw potato	1
4+	Sink or work bucket	1
4	Bleach	½ cup

UNIT	EQUIPMENT / MATERIAL	AMOUNT
4	Eyedropper	1
4	Fluoridated toothpaste	4.6 oz.
4	Toothbrush	1
4	Colored nail polish	
4	Plastic wrap	
4	Helium-filled balloons	2
4	Flexible cloth tape measure	1
4+	Freezer	1
5	8 ½" x 11" card stock	1
5	Bag of gumdrops (assorted colors)	1
5	Toothpicks	1 box
5	Pepper	½ t
5	Lettuce	1 head
5	Tomato	1
5	Carrot	1
5	Salad bowl	1
5	Stalk of celery	1
5+	Chalkboard or dry erase board	1
5	WHITE paper towel with NO designs on it	1
5	Shallow dishes	3
5	Q-tip	1
5	Ruler	1
5+	Tape	
6	Lego pieces	10 - 15
6	Ice cubes	2 cups
6	Rock	1
6	Drinking straw (optional)	1
6	Crushed ice	1 cup
6	Jell-O	1 box
6	Cold water	1 cup
6+	Hot water	2 cups
6	Mayonnaise	1 T
6+	Refrigerator	1
6	Plate	1
6	Medium-sized box or container	1
6	Stuffed animals	10
6	Wash tub, bathtub, or sink filled with water	1
6+	Orange	2
6	Small (1- to 2-cup size) plastic container	1
6	Marbles	10 - 20
6	Assortment of water-proof solids	8
6+	Quart-size glass jar with lid	1
6	6-inch long piece of rough string or yarn	1
6	Clean metal washer or a Lifesaver candy	1
6	Funnel (optional)	1
6	Corn syrup	¼ cup
6	Clear 2-cup container	1
6	Empty plastic soda bottles	2
6	Pan for under soda bottles	1

UNIT	EQUIPMENT / MATERIAL	AMOUNT
6	6-inch insulated copper wires	2
6	9-volt battery	1
6	Can of soda	1
6	Popping corn	1 cup
6	Empty 2-liter soda bottle	1
7	Alka-Seltzer tablet	1
7+	Matches or lighter	1
7	Kool-Aid	2 packs
7+	Pitcher with pour spout	1
7	Bubble-blowing solution and wand	1
7	Cast-iron skillet or fire-proof container	1
7	Yeast	1 t
7	Clear measuring cup	1
7+	Baking soda	11 t
7	Head of red cabbage	1
7	Strainer	1
7	Large 8-cup container with a cover	1
7	White coffee filters	2
7	Rubber gloves	1 pair
7	Ammonia	2 t
7	Laundry detergent	1 t
7	7-Up	1 t
7	Clear plastic disposable cups	10
7	Newspaper	1
7	Red, blue, and white watercolor paint	1 T of each
7	Paint palette	1
7	Lemon	1
7	Grapefruit	1
7	Lime	1
7	Cherry Tomato	1
7	V-8 Juice	1 cup
7	Chalk	6 pieces
7	Different size glass jars	3
7	Roasting pan	1
7	Sand	5 cups
7	Votive candles	3
7	Stopwatch	1
7	Dollar bill	1
7	Tongs	1
7	91% Rubbing alcohol	½ cup

***Ordering Hints:**

Thermometer: A good science thermometer goes down on its own, unlike a medical thermometer, which must be shaken down. Some kitchen thermometers will work, but most do not go low enough. You will need a thermometer that will go down to 30° F or 0° C.

20 Mule Team Borax: A laundry booster found next to laundry detergents in grocery stores.

Polystyrene beads: Used for stuffing stuffed animals. Found in some craft stores in the sewing section. Grated Styrofoam is an excellent substitute.