

*Exploring Creation With General Science Checklist
Supply List*

<p>Lab Supplies Needed For Module 1</p> <ul style="list-style-type: none"> <input type="checkbox"/> Vegetable oil <input type="checkbox"/> Water <input type="checkbox"/> Maple or corn syrup <input type="checkbox"/> A grape <input type="checkbox"/> A piece of cork <input type="checkbox"/> An ice cube <input type="checkbox"/> A small rock <input type="checkbox"/> A tall glass <input type="checkbox"/> Two glass canning jars or peanut butter jars, both the same size <input type="checkbox"/> Food coloring, any color <input type="checkbox"/> A pan and stove to boil water, and a hot pad to hold the pan <input type="checkbox"/> A plastic, 2-liter bottle <input type="checkbox"/> A balloon (6-9 inch round balloons work best.) <input type="checkbox"/> Clear vinegar <input type="checkbox"/> Baking soda <input type="checkbox"/> A funnel or butter knife <input type="checkbox"/> A few leaves of red (sometimes called purple) cabbage <input type="checkbox"/> A saucepan <input type="checkbox"/> A stove <input type="checkbox"/> Measuring cups <input type="checkbox"/> A pencil <input type="checkbox"/> A sheet of paper (8 ½" by 11") <input type="checkbox"/> Four thumbtacks or pushpins <input type="checkbox"/> A piece of string 8 inches long <input type="checkbox"/> A sheet of cardboard larger than or the same size as the sheet of paper <input type="checkbox"/> Tape <p>Lab Supplies Needed For Module 2</p> <ul style="list-style-type: none"> <input type="checkbox"/> A reasonably heavy book <input type="checkbox"/> A sheet of cardboard about the same size as the book (The cardboard that comes on the back of a pad of paper works well. You can also cut a piece out of an old cardboard box.) <input type="checkbox"/> A sheet of heavy paper (like construction paper or cardstock) about the same size as the book <input type="checkbox"/> A sheet of regular paper about the size of the book <input type="checkbox"/> A metal paper clip <input type="checkbox"/> A small rock (It needs to weigh less than the cardboard, so it should be really small.) <input type="checkbox"/> A working flashlight <input type="checkbox"/> A parent or helper 	<p>Lab Supplies Needed For Module 3</p> <ul style="list-style-type: none"> <input type="checkbox"/> A tall glass <input type="checkbox"/> Measuring cups for measuring out one and a half cups of water <input type="checkbox"/> An egg <input type="checkbox"/> A teaspoon <input type="checkbox"/> A spoon for stirring <input type="checkbox"/> Water <input type="checkbox"/> Salt <input type="checkbox"/> Four sheet of reasonably thick cardboard (A cut-up cardboard box works nicely.) <input type="checkbox"/> Scissors <input type="checkbox"/> A sheet of facial tissue <input type="checkbox"/> A chunk of soap from a bar of soap <input type="checkbox"/> A stick of chewing gum <input type="checkbox"/> A bathtub or large sink (A bathtub is best.) <input type="checkbox"/> A reasonably large bowl <input type="checkbox"/> Water <input type="checkbox"/> Black pepper <input type="checkbox"/> Tweezers <input type="checkbox"/> A needle <input type="checkbox"/> Thread <input type="checkbox"/> Tape <input type="checkbox"/> Someone to help you <p>Lab Supplies Needed For Module 4</p> <ul style="list-style-type: none"> <input type="checkbox"/> A wooden pencil <input type="checkbox"/> A wooden ruler <input type="checkbox"/> At least 5 quarters, preferably more <input type="checkbox"/> Two brooms or a broom and a mop (You basically need two implements with long handles. The experiment works best when the handles are very smooth.) <input type="checkbox"/> Several feet of rope (Nylon rope works best because it is slick.) <input type="checkbox"/> Two reasonably strong people to help you <p>Lab Supplies Needed For Module 5</p> <p><i>There are no labs in Module 5</i></p>	<p>Lab Supplies Needed For Module 6</p> <ul style="list-style-type: none"> <input type="checkbox"/> Alum (A powder available at any drug store - you need at least 4 ounces) <input type="checkbox"/> Two small glasses (like juice glasses) <input type="checkbox"/> A spoon for stirring <input type="checkbox"/> Some thread <input type="checkbox"/> Two weights (washers, nuts, fishing sinkers, etc.) <input type="checkbox"/> A large plate <input type="checkbox"/> A few rocks from outside (small rocks actually work best) <input type="checkbox"/> A sheet of dark paper (blue, black, etc.) <input type="checkbox"/> A magnifying glass <input type="checkbox"/> Sugar (optional) <input type="checkbox"/> Food coloring (optional) <input type="checkbox"/> A large glass jar with a lid <input type="checkbox"/> Some dirt from your yard <input type="checkbox"/> Some sand <input type="checkbox"/> Some gravel comprised of various sizes of rocks <input type="checkbox"/> Water <input type="checkbox"/> Plaster of Paris <input type="checkbox"/> A medium or large margarine tub <input type="checkbox"/> A few lima beans <input type="checkbox"/> Water <input type="checkbox"/> Paper towels <input type="checkbox"/> Vinegar <input type="checkbox"/> A large glass <input type="checkbox"/> A limestone rock (Most gravel is limestone. You can also go to a home improvement store's garden section and specifically ask for limestone. The rock needs to be small enough to fit in the glass) <input type="checkbox"/> Some steel wool <input type="checkbox"/> A small bowl <input type="checkbox"/> A shoebox <input type="checkbox"/> A gardener's spade (or something else you can use to dig with) <input type="checkbox"/> Scissors <input type="checkbox"/> A spot in the yard in which you can dig <input type="checkbox"/> A water hose and water <input type="checkbox"/> A large rock
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<p>Lab Supplies Needed For Module 7</p> <ul style="list-style-type: none"> <input type="checkbox"/> A plastic margarine tub <input type="checkbox"/> Water <input type="checkbox"/> A rock that will fit in the tub with a lot of room to spare <input type="checkbox"/> A freezer <input type="checkbox"/> Modeling clay <input type="checkbox"/> Plaster of Paris <input type="checkbox"/> A paper plate <input type="checkbox"/> A shell or something else with a distinctive shape or design <input type="checkbox"/> Vaseline® or another petroleum jelly <p>Lab Supplies Needed For Module 8</p> <ul style="list-style-type: none"> <input type="checkbox"/> 18 index cards (The size is irrelevant, as is the presence or absence of lines.) <input type="checkbox"/> A parent or someone else to write on the cards and hold the key <p>Lab Supplies Needed For Module #9</p> <ul style="list-style-type: none"> <input type="checkbox"/> Long pipe cleaners (the longer the better) <input type="checkbox"/> Four different colors of beads (The beads need to have holes in them large enough for the pipe cleaners to fit through. You can get beads like that at any craft store.) <input type="checkbox"/> Scissors strong enough to cut the pipe cleaners <input type="checkbox"/> One slice of potato (uncooked) <input type="checkbox"/> A pale green leaf (The paler the green, the better this experiment will work.) <input type="checkbox"/> Rubbing alcohol (available at any drug store) <input type="checkbox"/> Iodine (available at any drug store) <input type="checkbox"/> One jar with a lid <input type="checkbox"/> Two shallow dishes <input type="checkbox"/> Tweezers <input type="checkbox"/> A large jar with a lid <input type="checkbox"/> A small potted plant that can fit inside the jar with room to spare <input type="checkbox"/> Some water <input type="checkbox"/> An area of the house that gets sunlight most every day <input type="checkbox"/> A piece of masking tape or a marker <input type="checkbox"/> A few earthworms <input type="checkbox"/> A container that will hold the earthworms and plenty of dirt <input type="checkbox"/> Dirt <input type="checkbox"/> Some water <input type="checkbox"/> A bright light <input type="checkbox"/> Large jar (It must be large enough to fit a banana inside.) <input type="checkbox"/> Nylon stocking large enough to stretch over the mouth of the jar <input type="checkbox"/> Rubber band <input type="checkbox"/> A banana 	<p>Lab Supplies Needed for Module 10</p> <ul style="list-style-type: none"> <input type="checkbox"/> One chicken bouillon cube <input type="checkbox"/> Table salt <input type="checkbox"/> White vinegar <input type="checkbox"/> 4 small glasses <input type="checkbox"/> One large glass <input type="checkbox"/> One measuring cup <input type="checkbox"/> One teaspoon <input type="checkbox"/> Masking tape <input type="checkbox"/> Marker or pen <input type="checkbox"/> The four glasses from the beginning of the experiment <input type="checkbox"/> White paper (no lines if possible) <input type="checkbox"/> Baker's active yeast (available at any supermarket) <input type="checkbox"/> Banana <input type="checkbox"/> Two zippered plastic bags (like ZIPLOC® sandwich bags) <input type="checkbox"/> A butter knife <input type="checkbox"/> A marker or some masking tape <input type="checkbox"/> A houseplant (Ivy works best, but most houseplants will work. If you have a few varieties of houseplants and ivy is not among them, you might try a few instead of just one.) <input type="checkbox"/> A glass <input type="checkbox"/> Scissors <input type="checkbox"/> Some water <input type="checkbox"/> A stalk of wilted celery with the leaves still on it <input type="checkbox"/> A glass <input type="checkbox"/> Some water <input type="checkbox"/> A reasonably sharp knife <input type="checkbox"/> Some food coloring (preferably blue) <p>Lab Supplies Needed for Module 11</p> <ul style="list-style-type: none"> <input type="checkbox"/> An uncooked chicken bone (preferably a wishbone or wing) <input type="checkbox"/> A jar with a lid <input type="checkbox"/> Vinegar (preferably white) <input type="checkbox"/> Two houseplants. Make sure that your parents won't mind one of them looking really funny once the experiment is over. <input type="checkbox"/> A few books <input type="checkbox"/> A sunny window <input type="checkbox"/> A plastic bandage, such as a Band-Aid® 	<p>Lab Supplies Needed for Module #12</p> <ul style="list-style-type: none"> <input type="checkbox"/> A small candle (It needs to be in some kind of heavy holder, but the holder should not be tall. A small tealight candle in a cup-like holder, like the one in the figure under step (F), is ideal.) <input type="checkbox"/> A glass that will cover the candle <input type="checkbox"/> A deep bowl (The bowl should be deep enough so that when the candle is placed at the bottom of the bowl, the sides of the bowl are well above the flame of the candle.) <input type="checkbox"/> One cup of vinegar <input type="checkbox"/> One tablespoon of baking soda <input type="checkbox"/> Matches <input type="checkbox"/> A mirror (A hand-held mirror is best, but any mirror will do.) <input type="checkbox"/> A paper towel <input type="checkbox"/> Red (sometimes called purple) cabbage (You only need a few leaves.) <input type="checkbox"/> Distilled water (You can get it at any large supermarket. You need about a quart.) <input type="checkbox"/> Two drinking straws <input type="checkbox"/> A saucepan <input type="checkbox"/> A stove <input type="checkbox"/> Three small glasses (like juice glasses) <input type="checkbox"/> A ¼-cup measuring cup and a 1-cup measuring cup <input type="checkbox"/> A 2-liter plastic bottle (the kind soda comes in) <input type="checkbox"/> A balloon (6-inch or 8-inch round balloons work best.) <input type="checkbox"/> A small spoon (like a ¼ measuring teaspoon) <input type="checkbox"/> An oral thermometer (The kind you use to take a person's temperature. Do not use one of those strips that you put on your forehead. Use the kind of thermometer you stick in your mouth.)
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<p>Lab Supplies Needed for Module #13</p> <ul style="list-style-type: none"> <input type="checkbox"/> A saltine cracker <input type="checkbox"/> A tablespoon <input type="checkbox"/> Iodine (This is available at any drug store. You used it in Experiment 9.2.) <input type="checkbox"/> Two small glasses <input type="checkbox"/> TUMS antacid tablets (Try to get white ones, or at least a tub of TUMS that have some white ones in it.) <input type="checkbox"/> Toilet bowl cleaner (It should contain hydrochloric acid as an ingredient. The best kind to get is colorless. If you cannot get colorless, get a clear kind that has a light tint of color to it. DO NOT get the kind that clings to the bowl. I used non-clinging THE WORKS® when I ran the experiment.) <input type="checkbox"/> Red (sometimes called purple) cabbage <input type="checkbox"/> A teaspoon <input type="checkbox"/> A separate spoon for stirring <input type="checkbox"/> A saucepan <input type="checkbox"/> A measuring cup <input type="checkbox"/> Distilled water (You can get it at any large supermarket. You need about two quarts.) <input type="checkbox"/> A stove for boiling water <input type="checkbox"/> Baking soda 	<p>Lab Supplies Needed for Module #15</p> <ul style="list-style-type: none"> <input type="checkbox"/> Three onions (any size) <input type="checkbox"/> A cutting knife (In this experiment, a dull knife works better than a sharp one!) <input type="checkbox"/> A freezer <input type="checkbox"/> A cutting board <input type="checkbox"/> A sink in which you can cut <input type="checkbox"/> A tea bag <input type="checkbox"/> Three small glasses (like juice glasses) <input type="checkbox"/> A paper towel <input type="checkbox"/> A coffee filter <input type="checkbox"/> A funnel <input type="checkbox"/> Scissors <input type="checkbox"/> A tea kettle or pot <input type="checkbox"/> A stove <input type="checkbox"/> A spoon for stirring <input type="checkbox"/> A pile of 2 to 3 books (The pile needs to be at least $\frac{3}{4}$ as high as one of the glasses.) 	<p>Lab Supplies Needed for Module #16</p> <ul style="list-style-type: none"> <input type="checkbox"/> Scissors <input type="checkbox"/> A pencil <input type="checkbox"/> Paper <input type="checkbox"/> A ball (It needs to be small enough to be thrown with one hand, like a baseball, softball, or golf ball.) <input type="checkbox"/> A coin <input type="checkbox"/> Some stairs or porch steps <input type="checkbox"/> A paper towel tube or rolled-up piece of thick paper <input type="checkbox"/> A few people to test (8 years or older) <input type="checkbox"/> A glass <input type="checkbox"/> A mirror <input type="checkbox"/> A room with a light switch that when closed off gets really dark <input type="checkbox"/> A candle <input type="checkbox"/> Matches <input type="checkbox"/> Salt <input type="checkbox"/> Sugar <input type="checkbox"/> Water <input type="checkbox"/> Lemon juice <input type="checkbox"/> Onion juice (Tonic water is a substitute, but it is not as effective. To make onion juice, cut a few slices of onion and put them in a zippered plastic bag. Then strongly press a rolling pin back and forth across the bag several times. In this way, you will squeeze the juice right out of the onion! You do not need a lot of juice.) <input type="checkbox"/> Several toothpicks <input type="checkbox"/> 5 glasses <input type="checkbox"/> Apple <input type="checkbox"/> Onion <input type="checkbox"/> Blindfold <input type="checkbox"/> A knife <input type="checkbox"/> Two paper towels <input type="checkbox"/> Two sheets of paper <input type="checkbox"/> A black marker or pen <input type="checkbox"/> Two well-sharpened pencils
<p>Lab Supplies Needed for Module #14</p> <ul style="list-style-type: none"> <input type="checkbox"/> A watch with a second hand or (better yet) a stopwatch <input type="checkbox"/> A place that you can do jumping jacks <input type="checkbox"/> Flexible tubing (If you don't have some, the best place to get it is anywhere that sells aquarium products. It is typically called "aquarium tubing.") <input type="checkbox"/> A plastic one gallon jug with a lid <input type="checkbox"/> A sink with a plug <input type="checkbox"/> A measuring cup <input type="checkbox"/> A plastic, 2-liter bottle (the kind soda pop comes in) <input type="checkbox"/> Strong scissors <input type="checkbox"/> A plastic sandwich bag (It needs to be large enough for the bottom of the 2-liter bottle to fit into the bag.) <input type="checkbox"/> Tape <input type="checkbox"/> A round balloon (12-inch is ideal, but any size greater than 6-inch will do.) <input type="checkbox"/> A rubber band (It should be large enough to fit around your wrist without stretching. If the rubber band is larger, it will work fine, but a smaller one will not work.) <input type="checkbox"/> A reasonably fresh white carnation (Almost all big supermarkets sell them these days.) <input type="checkbox"/> Two glasses <input type="checkbox"/> Blue food coloring <input type="checkbox"/> Red food coloring <input type="checkbox"/> A knife <input type="checkbox"/> Two spoons for stirring 		