

# Shopping List for 7<sup>th</sup> Grade: Life Science

[www.ScienceLearningSpace.com](http://www.ScienceLearningSpace.com)

**How many of these items do you already have?** We've tried to keep it simple for you by making the majority of the items things most people have within reach (both physically and budget-wise).

- #3 hose stopper
- 1/4" wire mesh
- 20mL sample of pond water
- 2-liter bottle caps
- 2-liter soda bottles, 16 (empty and clean)
- 5 feet of string
- 91% isopropyl alcohol
- aluminum foil
- aluminum tart pan
- ammonia
- [ammonium nitrate \(MSDS\)](#)
- baking soda or sodium carbonate (washing soda)
- balloons (9" round)
- bathroom scale
- beans
- [biconvex lens](#)
- black coffee
- black tea, 1 bag
- blender
- blindfold
- book
- [Bromothymol blue](#)
- bucket (that has a smaller diameter than the top of the funnel)
- [calcium chloride \(MSDS\)](#)
- can of soda (1 per student)
- cardboard scrap
- carrots, 2
- celery stalks, 4+ (with leaves still attached - more depending on how many variables to test)
- chicken wing bones, 4 (fresh, meat removed)
- cinnamon oil
- clear containers, 3 (like glass cups)
- clock
- clothespins
- coffee filters (or cheesecloth)
- coffee grounds
- coins, 2 (different ones)
- cold water
- compost or organic/food scraps
- container for mixing
- cookie sheet
- cotton balls
- cotton glove
- cotton string (heavy - 60cm)
- cotton swabs
- coverslips (for microscope)
- craft stick
- cutting board
- dark chocolate (1 piece)
- dark room
- dead grass
- desktop
- dime
- dish or plate
- dishwashing detergent
- dollar bill
- drill
- dry beans (about a cup)
- duct tape (or a rubber band)
- egg (fresh)
- eyedropper
- fan (variable speed)
- fast-growing plant seeds (radish, grass, turnips, Chinese cabbage, moss, etc.)
- fine wire mesh
- flannel fabric
- flexible rubber tubing (1-2 feet)
- food coloring (including red)
- food scale (or similar - sensitive enough to weigh celery, small plants)
- [frog and dot print out](#)
- funnel
- gallon tractor funnel
- garlic clove
- garlic press
- [Genetics Table](#)
- glass jars, 3 (two with lids)
- goggles
- [goldenrod paper](#)
- gravel or sand
- ground cinnamon

- handheld magnifiers, 2
- hot glue with glue sticks
- hot water
- ice
- iodine (you can use regular, non-clear iodine from the drug store)
- jug (milk or juice jug)
- kitchen timer
- leafy plant (weeds will work!)
- lemon
- length of hose (8")
- light bulb (The wattage has to be high enough to heat the soil, but not so high that it will light the funnel on fire. Best to do it by trial and error with lots of supervision!)
- light fixture (that fits on top of the funnel and has a reflective interior)
- light switch
- lighter (or matches - with adult help)
- liquid crystal thermometer strip
- liter of water (1 per student)
- magnifying lens
- marker (black, permanent)
- measuring cup
- medicine dropper (disposable)
- meter stick
- microscope
- microwave
- mirror
- newsprint with a lot of type
- nylons (old - like pantyhose)
- object to dry mount, such as a strand of hair
- onion
- onion (the root tip, not the onion itself)
- OPTIONAL: Borax
- OPTIONAL: ice cubes
- OPTIONAL: photocopier
- OPTIONAL: pipe cleaners
- OPTIONAL: Protoslo
- paper towels
- paperclips, large
- partners
- pencil
- pennies
- penny
- petroleum jelly
- pH paper strips
- pie tin (5")
- piece of fruit
- pieces of celery stalk, 2
- pipette (plastic)
- pipettes (plastic)
- plants
- plastic bag (gallon sized, resealable)
- plastic bags (resealable)
- plastic bowl (large)
- plastic containers with a snap-lid (at least 10 - like an M&M container or film can)
- plastic cups (clear)
- plastic lid (that fits inside 2-liter bottle)
- plastic sheet
- plastic wrap
- pot (for plant, with soil)
- potato slices, 2
- predators: spiders OR praying mantis OR carnivorous plants (if you're using carnivorous plants, make sure you do this [Carnivorous Greenhouse](#) experiment first so you know how to grow them successfully)
- pre-form tube
- [PTC paper](#)
- pumpkin OR apple OR squash OR bananas OR carrots OR anything else you might have in the fridge
- razor (with adult help)
- red crayon
- [red disclosing tablets](#), 4
- rice
- room temperature water
- rubber bands
- rubber hose (4-12 inch lengths)
- rubbing alcohol
- ruler
- salt
- sand
- sandpaper
- sawdust (or pencil shavings)
- scissors
- scrap of cardboard (at least as big as your hand)
- seeds of your choice
- sharp knife (with adult help)
- shoeboxes, 4 (with lids)
- short pieces of stiff plastic tubing, 2
- slides
- small containers, 10 (with lids)
- small vial or test tube with a (snug fitting) two-holed rubber stopper.
- soda crackers
- soil, twigs, small plants
- soup can
- soy sauce
- Spanish moss

- spiders, snails, fruit flies, etc.
- spoon
- sports drink (1 per student)
- stain (you can use regular iodine or Lugol's Stain)
- stopwatch (or clock with second hand)
- straws, 5 (flexible)
- straws, 50-100
- string (12 inches long)
- Styrofoam cups, 2 (12 oz.)
- Styrofoam cups, 2 (32 oz.)
- sugar
- sugar cube
- T connector
- tape
- tennis ball
- the letter "e"
- thermometer
- toilet paper tube
- toothpicks
- translucent specimen, such as a piece of onion and elodea leaf
- tweezers
- vanilla extract
- vinegar (distilled white)
- vinegar (red)
- volunteers, 5
- votive candles
- washer (3/8 inch inside diameter)
- water
- wax cups
- wax paper
- window
- Y valve hose connector
- yeast