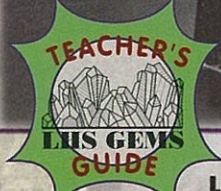


Microscopic Explorations



What You Need (for the entire festival)

General Supplies

- 24 manila folders, letter size (for making signs, water drop magnifiers, and hole-punch slides)
- 1 container rubber cement
- 2 bottles white glue
- 2 large sheets butcher paper: 1 white, 1 blue
- several pieces of construction paper in a variety of light colors (for Discovery Quilt), plus black (for Activity 5)
- access to a paper cutter
- newspaper with small print
- book or page with a large printed word
- five packs or rolls paper towels
- 1 hole punch
- 2 packs crayons (or permanent felt-tipped markers)
- a variety of markers, pens, pencils (for the Discovery Quilt)
- 1 wide-tip marker
- 1 roll masking tape
- 4–6 sharpened No. 2 pencils
- 3 trash containers
- a few 3" x 5" index cards
- 1 sheet of 8 ½" x 11" paper
- scissors
- 1 yardstick

Consumables

- 1 copy of "The Parts of a Compound Microscope" student sheet per student
- 1 copy of "The Parts of a Dissecting Microscope" student sheet per student
- 1 copy of the student booklet per student
- 60–100 clear plastic deli-type container lids
- 1 roll duct tape (for taping down electrical cords)
- 1 roll waxed paper
- 12 rolls clear (not Magic™) transparent tape, with dispensers
- 5 rolls ¾"-wide Magic™ tape, with dispensers
- about a tablespoon of each:
 - ___ granulated white sugar
 - ___ laundry detergent
 - ___ white flour
 - ___ cornstarch
 - ___ baking soda
 - ___ cream of tartar
 - ___ alum
 - ___ rock salt
 - ___ boric acid
- about 5 tablespoons of table salt (for Activities 5, 7, and 9)
- 2 packages Epsom salt
- 30 pieces of white scratch paper
- 1 container brine shrimp eggs
- (optional) a sprig of *Elodea* aquarium plant
- 1 oz. live brine shrimp adults
- some newly hatched brine shrimp larvae
- pond water with living organisms
- several dozen pipe cleaners
- 50–60 styrofoam peanuts
- 20–30 popsicle sticks

- 20–30 straws
- 20–30 toothpicks
- 2 small squeeze bottles of liquid dishwashing detergent

Non-Consumables

- 1 two-sided copy of each of the Volunteer Sheets
- 1 copy of each of the station signs
- 8 copies of Microscopes: Tips for Safety and Success
- 24 small ziplock bags (qt. size)
- 40–60 hand lenses
- microscopes (compound and dissecting, as available)
- extension cords
- power strips
- table lamps (a short fluorescent tube is particularly good)
- several empty clear vials, pill bottles, or water bottles with lids, any size
- several clear, flat-sided plastic or glass containers, any size
- 2 large, clear glass or plastic containers with curved sides (such as two-liter soda bottles)
- (*optional*) 2 large, clear glass or plastic containers with straight, flat sides
- 8–10 clear, flexible plastic cups (about 6–10 oz. size)
- 8–10 medicine droppers
- 8–12 plastic depression slides
- about 10 clear, flattened marbles
- about 10 clear, round marbles
- 6–12 small assorted fabric samples (including woven, knitted, and pressed)
- (*optional*) several pieces of Velcro
- 2 empty deli or cottage cheese containers with lids
- a few empty yogurt containers or film canisters
- a box, tray, or paper plate (for storing insects)
- tweezers
- 1 one dollar bill
- 1 postage stamp
- 1 penny
- 1 film negative
- a few black and white photos
- a few new color photos
- 1 black and white newspaper picture
- 6 or more colored newspaper pictures
- a few business cards
- a few magazine pictures
- (*optional*) a few Georges Seurat pictures
- 3–6 labeled sand samples from several locations, one tablespoon each
- world map or globe
- small Post-it® Notes or adhesive dots to mark locations on map
- (*optional*) a few rock samples, a few shells, a few coral samples
- 1 hot pot
- 1 metal teaspoon
- 6–10 dead insects, spiders, and parts