

Layers of Learning Biology Supply List

This is a comprehensive list of all the supplies needed to do every exploration in Layers of Learning biology. Since this is a pick-and-choose curriculum you will not need all of these supplies. Each exploration has its own supply list.

Books

- Library
- Science encyclopedia (we recommend *DK Science Encyclopedia*)
- Plant and animal identification guides for your region

School Supplies

- Colored Pencils
- Crayons
- Colored markers
- Pencil or pen
- Scissors
- Glue stick
- School glue
- Ruler
- Spiral or composition notebook
- Paper, plain white and colored
- Paper, card stock white and colored
- Permanent markers
- Poster board
- Masking tape
- Cellophane tape
- Metal brads
- Hole punch
- World map or globe
- Index cards
- Clip board
- Dry erase markers
- Stapler

Art Supplies

- Poster paints
- Acrylic paints
- Watercolor paints
- Paint brushes
- Chenille stems (pipe cleaners)
- Googly Eyes
- Pompoms

- Yarn
- Embroidery floss
- Colored tissue paper
- Artist fixative spray
- Model magic
- Air dry clay
- Play dough
- Clear contact paper
- Crepe paper streamers
- Construction paper
- Craft sticks, regular size
- Hot glue gun with glue sticks
- Fabric
- Felt fabric
- No sew fabric glue or sewing machine
- Craft foam
- Butcher paper
- Nail polish or model paint
- Ink pad

Grocery Supplies

- Gummy bears
- Colored mini marshmallows
- White mini marshmallows
- Licorice
- Red hots candies
- Sprinkles
- Salt
- Water
- Raisins
- Grapes
- Fruit leather
- Nuts
- Corn starch
- Dry split peas
- Meat tenderizer
- Cookie dough
- Frosting or icing
- Candies
- Bread

- Food coloring
- Buttermilk
- Sugar
- Frozen whole octopus
- Banana
- Syrup
- Peanut butter
- Rice
- Dry beans
- Eggs
- Chicken thigh bone
- Beef marrow bone
- White vinegar
- Corn syrup
- Baker's yeast
- Orange juice or lemon juice
- Soda crackers
- Soda pop or fruit juice
- Melons (cantaloupe, honeydew, small watermelon)
- Potatoes

Science Supplies

- 250 ml beaker
- 150 ml beakers (3)
- Graduated cylinder
- Electronic balance
- Thermometer
- Meter stick
- Light microscope
- Microscope slides & covers
- Eye dropper
- Prepared "biology" slide set
- Petri dishes
- Nutrient agar
- Nutrient broth
- Disposable gloves
- Goggles
- Grease pencil
- Blood typing kit
- Hand lenses or magnifying glasses
- Binoculars
- Scalpel
- Cutting mat
- Butterfly net
- Butterfly hatching kit
- Quail hatching kit

- Earthworm dissection kit
- Sea star dissection kit
- Grasshopper dissection kit
- Owl pellet dissection kit
- Fetal pig dissection kit
- Sheep heart dissection kit
- Sheep brain dissection kit
- Cow eye dissection kit

Chemicals

- Iodine
- Isopropyl alcohol
- Distilled water
- Methylene blue

Household Supplies

- Internet connection
- Timer
- Computer
- Printer
- Camera
- Camera trap
- Compass or compass app
- Calculator
- Small and medium bowls
- Glasses or vases
- Plates, small and dinner
- Shallow dish or pie pan
- Butter knife
- Potato masher or fork
- Cooking pot
- Plastic zipper bags, sandwich and gallon size
- Paper towels
- Plastic wrap
- Blender
- Dish washing liquid
- Strainer
- Cotton swabs
- Needle
- Candle
- Piping bag (for frosting)
- Oven
- Refrigerator
- Stove top
- Sink
- Dice

- Envelopes
- Toothpicks
- Paper and plastic disposable cups
- Paper plates
- Cotton balls
- String
- Plywood or scrap wood
- Sandpaper
- Rubber bands
- Marbles
- Spray bottle
- Bed sheet
- Paper towels
- Nail & hammer
- Nylon stocking
- Lamps
- Lamp with a bendy neck
- Colored light bulbs
- Extension cords
- Window screen material
- Small trowel or shovel
- Flashlight
- Block tower game
- Golf ball
- Golf club
- Rope
- Coins
- Freezer paper
- Coffee filters
- Large basket (hamper)
- Socks
- Measuring tape
- Small ball
- Plastic bin (wash basin)
- Waders or water shoes
- Wood glue
- Long narrow boards
- Saw
- Twine
- Push pins (flat head)
- Dishwasher or laundry detergent
- Trash
- Plastic Easter egg
- Egg carton
- Kitchen sponge
- Balloons
- Mirror

- White swim cap
- Hand soap
- Ping pong balls
- Helmet
- Grooming supplies
- Foot bath or soaking tub
- Face cleansing products

Reused Supplies

- Newspaper
- Jars (saved from food packaging or canning)
- Small and medium cardboard box (saved from food packaging)
- Toilet paper tubes
- Corrugated cardboard
- Plastic jug
- 2 liter soda pop bottle

Garden Center Supplies

- Potting soil
- Peat moss
- Plant pots, plastic and clay
- Small plants
- Spider plant (*Chlorophytum comosum*)
- White carnation flowers
- Sphagnum moss
- Flower with a showy bloom
- Bean seeds
- Corn seeds
- Bird seed
- Bone meal fertilizer
- All purpose fertilizer

Pet Shop Supplies

- Fish tank
- Fish for an aquarium
- Fish food
- Aquarium rocks
- Crickets
- Cricket food

Nature Supplies

- Pond water
- Rocks
- A set of 10 specimens
- Plants growing outside

- Small pebbles
- Ferns
- Cross section of a tree (a log)
- Pine cones
- Earthworms
- Soil from outside
- Pill bugs (roly-polies, potato bugs, wood lice)
- Ant colony
- Sea shells
- Feather

Places to Visit

- Botanical Garden
- Outdoor environments like back yard or park
- Outdoor environments like a forest or wild area
- Beekeeper
- Pond or lake
- Zoo, aquarium, or wildlife center
- Vegetable or flower garden where you have permission to dig
- Grocery store
- Doctor, dentist, or nutritionist's office