



A detailed list is in the back of the book.

## Kitchen Supplies

- |   |  |
|---|--|
| <input type="checkbox"/> Baking soda        | <input type="checkbox"/> Quarter measuring cup                               |
| <input type="checkbox"/> Flour              | <input type="checkbox"/> Liquid measuring cup (up to 50 mL)                  |
| <input type="checkbox"/> Salt               | <input type="checkbox"/> Toothpicks  |
| <input type="checkbox"/> Sugar              | <input type="checkbox"/> Clear containers                                    |
| <input type="checkbox"/> Powdered sugar     | <input type="checkbox"/> Small pot   |
| <input type="checkbox"/> Vinegar            | <input type="checkbox"/> Thermometer   |
| <input type="checkbox"/> Oven mitts         | <input type="checkbox"/> Timer   |
| <input type="checkbox"/> Tongs              | <input type="checkbox"/> Funnel  |
| <input type="checkbox"/> Aluminum foil      | <input type="checkbox"/> Screen or sifter                                    |
| <input type="checkbox"/> Aluminum pan       | <input type="checkbox"/> Small bowl  |
| <input type="checkbox"/> Teaspoon measure   | <input type="checkbox"/> Small white plates (if not using microscope slides) |
| <input type="checkbox"/> Tablespoon measure | <input type="checkbox"/> Small clear glasses (50 mL capacity)                |

## Food Items

- |   |   |
|---|---|
| <input type="checkbox"/> Colored marshmallows | <input type="checkbox"/> Evaporated milk*   |
| <input type="checkbox"/> Licorice ropes       | <input type="checkbox"/> Tomato paste*      |
| <input type="checkbox"/> Potato               | <input type="checkbox"/> Red food coloring* |
| <input type="checkbox"/> Ice                  |   |
| <input type="checkbox"/> Olive oil            |   |
| <input type="checkbox"/> Circus peanut candy  |   |

\*These items are for making simulated human blood.  
An alternative is watered red paint.

## Household Supplies

- |   |  |
|---|--|
| <input type="checkbox"/> Water  | <input type="checkbox"/> Clear plastic cups  |
| <input type="checkbox"/> Distilled water  | <input type="checkbox"/> Spoons  |
| <input type="checkbox"/> Soap   | <input type="checkbox"/> Paper plate   |
| <input type="checkbox"/> Tailor's measuring tape (metric)   | <input type="checkbox"/> Heavy paper plate or foam tray  |
| <input type="checkbox"/> Metric ruler   | <input type="checkbox"/> Stopwatch   |
| <input type="checkbox"/> Plastic zip bags (sandwich and gallon size)  | <input type="checkbox"/> Wipes/disinfecting wipes  |
| <input type="checkbox"/> Marker   | <input type="checkbox"/> Various items to fingerprint (e.g., plastic bag, glass jar or container, empty water bottle, empty soda can, business card, etc.) |
| <input type="checkbox"/> Masking tape   | <input type="checkbox"/> Disposable plastic container with lid   |
| <input type="checkbox"/> Clear packing tape   | <input type="checkbox"/> Super glue  |
| <input type="checkbox"/> Scissors   | <input type="checkbox"/> Baby oil  |
| <input type="checkbox"/> Camera or phone camera   | <input type="checkbox"/> Plastic or cardboard box  |
| <input type="checkbox"/> Scientific calculator  | <input type="checkbox"/> Shoe with tread pattern   |
| <input type="checkbox"/> Paper towels   | <input type="checkbox"/> Aerosol hairspray   |
| <input type="checkbox"/> Peer, parent, or sibling   | <input type="checkbox"/> Scrub brush, old toothbrush, or sponge  |
| <input type="checkbox"/> 4 pieces of evidence that can fit on a table (e.g., cell phone, tablet, computer, pencil, piece of paper, coffee mug, knife, keys, etc.) | <input type="checkbox"/> Drawing compass   |
| <input type="checkbox"/> Computer   | <input type="checkbox"/> 5" x 7" Styrofoam™ plate  |
| <input type="checkbox"/> Lighter  | <input type="checkbox"/> Grocery receipt*  |

- Sock\*
- Written note, card, or journal\*
- Metal spoon\*

- Hairbrush\*
- Optional: clipboard

\*Or something comparable to these items.

## Craft Supplies

- Pencil
- Red pen and black pen
- Graph paper
- Playdough or fast-drying craft clay
- Pipe cleaners (5 colors)
- Ink pad (or ground pencil)
- Plain index cards (no lines)
- 2 lbs Plaster of Paris

- Small paintbrush
- White poster board
- Watered red paint (if not using simulated human blood)
- Colored pencils (at least 16 colors)
- 4 transparency plates (1 sheet of 8" x 11.5" transparency film cut into four 4" x 6" pieces)
- Black extra-fine point permanent marker

## Tools/Outdoor Supplies

- Water hose or bucket
- Sand or soil
- 2 different hammers\*

- 2 different screwdrivers\*
- 2 different pliers\*

\*Other tools can be substituted for this lab.

## Lab Supplies

- Forceps
- Safety goggles
- Microscope
- Magnifying glass or magnifier app (if microscope isn't available)
- Microscope slides (if using a microscope)
- Iodine
- Fingerprint black powder or magnetic powder (or ground pencil lead or eyeshadow)
- Fingerprint dusting brush or magnetic wand (or makeup or soft artist brush)
- Small water dropper
- Human hair sample
- Three animal fur samples

- Several samples of 3 different natural fibers
- Several samples of 3 different synthetic fibers
- Test tubes
- Test tube rack
- Acetone
- Protective safety gloves (for liquids and glass)
- Glycerin
- Soil samples (4 kinds)
- Small petri dishes (glass or plastic)
- pH strips (available at a pharmacy or supermarket)
- Latex gloves
- Electronic balance

## Miscellaneous Items

- Skull anatomy reference material or online source (with teacher's permission)
- Glass drinking containers (5 different types, e.g., drinking glass, borosilicate glass, glass tea bottle, etc.)\*

- 5 pieces of cloth (old t-shirts or towels, etc.)\*

\*You are going to break the glass drinking containers to retrieve shard samples, so make sure to be careful and use materials that you don't mind throwing away.