

# Shopping List for the Free Supercharged Science Teleclass

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Re-ignite your curiosity and spark new ideas! These are the materials you'll need to gather before the next class.

## Microscopes Teleclass

- Dead bugs from the windowsill, plant leaves, feather, penny and dollar bill
- If you have a compound microscope, then use it. Otherwise, get two handheld magnifiers. (You can do this class without a scope just fine!)
- For those with a microscope, you'll also need:
  - Blank slides and cover slips
  - Eyedropper and tweezers (optional)

## Electricity Teleclass

- AA battery case (Radio Shack part # 270-408)
- two AA batteries for your battery case (cheap dollar-store "heavy duty" type are perfect)
- LEDs (Radio Shack part #276-026, 276-012, 276-016, 276-311, or any you prefer under 3V)
- Alligator wires (Radio Shack part #278-1157)
- 1.5-3V DC motor (Radio Shack part #273-223)
- buzzer (Radio Shack #273-053) or siren (#273-079)

## Burglar Alarms Teleclass

- stuff from Electricity Teleclass (listed above)
- 1" x 1" square of squishy foam (like a thin sponge) that reforms into shape when released
- transparent tape (like Scotch tape)
- 2" x 2" piece of aluminum foil
- 2 large paper clips

## Sonic Vibrations Teleclass

- 3 tongue-depressor size popsicle sticks
- 3 rubber bands (3" x 1/2" or similar)
- two 3"x5" index cards
- 3' of string or yarn
- 1" x 8.5" strip cut from a sheet of paper
- scissors, tape, and a hot glue gun

## Rocketry Teleclass

- 1 white Fuji film canisters (get them anyplace that still develops film) – black Kodak ones will NOT work!
- 4 (or more) effervescent tablets (generic brands or expired tablets work just fine)
- Full bottle of water
- Two sheets of 8.5 x 11" paper (regular copy paper, *not* construction paper!)

- 2 rubber bands (3" x 1/4" or similar)
- Scissors

## Lasers Teleclass

- 1 red laser pointer (laser pen or keychain laser)
- 1 CdS cell (Radio Shack part #276-1657)
- crystal-cut pieces (plastic or glass)
- old CD *and* stuff from Electricity Teleclass

## Roller Coaster Teleclass

- 4 pieces of 3/4" x 6' foam pipe insulation
- 1 roll masking tape
- 10 marbles

## Aerodynamics

- 4 sheets of 8.5x11" paper
- 2 index cards
- 2 identical paper cups
- 7 rubber bands
- 2 small paper clips
- Scissors, tape

## Light Wave Teleclass

- two magnifying lenses
- one penny, \$1 and \$5 bill
- three flashlights
- red, green, and blue nail polish
- perfectly clear (not milky-clear) scotch tape

## Chemistry

- water source (use a sink or full water bottle)
- two popsicle sticks or plastic spoons for mixing
- two disposable (plastic or paper) cups
- clear glue (use white glue if you can't find clear)
- borax (sodium tetraborate) – check the laundry aisle in the grocery store
- yellow highlighter pen
- tablespoon and teaspoon measuring spoons
- one zipper-type plastic bag or Tupperware with lid to store your creation in afterwards
- OPTIONAL: black light (long-wave UV lamp) – get one for under \$10 at a pet store (cheap ones that work are found under the "Urine-Off" label)