

# LAB Materials List

## Physical Science 1 (SCIH 023 055)

The lab experiments in this course are designed so that they may be successfully completed using the items listed. If you do not have access to the exact items on this list, you may substitute comparable items in the experiments. Suggested household and other common materials necessary to complete the labs in this course are:

- 1 pencil
- \*100-mL graduated cylinder
- 10-12 sheets of graph paper
- \*stopwatch
- ice cubes
- a ruler that is marked in both inches and centimeters (or the folding meterstick)
- a rock
- an eraser
- a small block of wood
- a square of aluminum foil (approx. 3" x 3")
- 1 metal or plastic tray (like a cookie sheet or cake pan)
- 4 sheets of paper (equal sizes)
- 1 meterstick (or yardstick also marked in centimeters, or measuring tape at least 1.5 meters in length) \*a measuring tape is available in the optional lab kit
- scissors
- masking tape or other colored tape you can write on
- 1 500-mL beaker (or heat-proof container that holds approx. 500 mL)
- 1/4 tsp. of ground black pepper (or other non-soluble, fine-grained spice)
- 1 candle
- 1 roll transparent tape
- 1 sewing needle
- \*1 small bar magnet
- 4 pieces of cloth of equal size (of the same type)
- 1 plastic foam cup
- \*1 coiled-spring toy (like a "slinky")
- 1 empty plastic water or soda bottle

1 meter length of rope or hose (If you do not have a rope, hose, or a long spring, you can substitute heavy string. You will need a length of at least 1 meter to adequately perform this experiment.)

1 penny or other small denomination of coin

1 small, opaque cup (like a coffee mug)

2 plane mirrors (flat mirrors)

1 protractor (or other means of measuring 90° and 120°)

1 paper clip

\* Items marked with an asterisk\* are available in the SCIH 023 055 lab kit. If you have access to them, you do **not** need to buy the lab kit.

\*100-mL graduated cylinder

\*stopwatch

\*1 measuring tape

\*1 small bar magnet

\*1 coiled-spring toy (like a “slinky”)