



Super Science

Cub Scouts · Elective · Bear rank

Name

Started

Completed

Super Science lets you do real experiments. You'll explore static electricity, find out what sinks or floats, and watch colors change and stack. Every test helps you think like a scientist.

Requirements

Every official requirement, in plain language. Check the official wording when you sign off (scouting.org/cub-scout-adventures/super-science/). Tips and examples are ideas, not extra requirements.

☐ 1 Do the static electricity investigation

Tip: Rub a balloon on your hair, then see if it can pick up bits of paper or bend a stream of water.

Example: Rub a balloon on a wool sweater or your hair, then hold it near tiny bits of paper, an empty can lying on its side, or a thin stream of water. Write down what moves and how.

☐ 2 Do the sink-or-float investigation

Tip: Guess first, then drop items in water to see which sink and which float.

Example: Guess first, then test: a penny, a cork, an apple, a grape, a crayon, and a piece of foil. Then fold the foil into a little boat and see how many pennies it holds before it sinks.

☐ 3 Do the color-morphing investigation

Tip: Do the color-morphing test with an adult and watch what changes.

Example: Pour milk on a plate, add drops of food coloring, then touch the middle with a cotton swab dipped in dish soap. Watch the colors burst and swirl as the soap spreads.

☐ **4** Do the color-layering investigation

Tip: Pour liquids slowly into a clear glass and watch them form layers.

Example: With your adult, slowly pour honey, dish soap, colored water, and vegetable oil into a clear glass. The heavier liquids sink and the lighter ones float on top.