

Floating and Sinking Investigation

Name / chosen name: _____

Use after the activity. Open responses can differ; accept drawings, spoken responses and supported writing.

Educator guidance

An object floats when the water can provide enough upward force to support its weight. Material, shape and trapped air affect what happens; heavy objects do not always sink.

An adult supervises water use. Keep water shallow, wipe spills and keep it away from electricity. Use large objects; do not put anything in mouths.

Predictions need not be correct. Observations must describe the actual test. Repeat or compare only when equipment and supervision are suitable.

Static Electricity Investigation

Name / chosen name: _____

Use after the activity. Open responses can differ; accept drawings, spoken responses and supported writing.

Educator guidance

Rubbing can transfer electric charge between materials. A charged comb can attract nearby neutral paper by rearranging charges within it. Conditions such as humidity can affect the result.

Use a plastic comb and paper only. Keep scraps on the tray, away from mouths. Do not use mains electricity or rub anyone's hair without consent.

Predictions need not be correct. Observations must describe the actual test. Repeat or compare only when equipment and supervision are suitable.

Paper Bridge Challenge

Name / chosen name: _____

Use after the activity. Open responses can differ; accept drawings, spoken responses and supported writing.

Check the stated total or design constraint. Ten groups of ten equal 100. Different designs and participation methods are valid; record test evidence and one improvement.