

Water Stations- 10 Stations

3 kits for borrowing

1. Magnetic Water Molecules- Capillary action in plants

Materials: Magnetic water molecule kits

String

Activity sheets/explanation

Focus on: cohesion/adhesion/osmotic potential

2. Radial Chromatography – Polarity of Water

Materials: filter paper

small plastic cups

black water-based markers

Activity sheet/Explanation of how it works

3. Capillary tubes- Capillary action

Materials:

0.4 Capillary tubes

Absorbent paper

Wells with diluted red food coloring

Activity sheet

4. Pepper demo with boat- Surface Tension

Materials:

Cookie sheets

Pepper

Soap

Paper Boats/Toothpicks

Story/Activity Sheet

5. Magnetic Water Molecules- use the set to model and draw water in the gaseous, liquid and solid (ice) states- see lesson plans with kits

Materials

Water molecule kits

Activity sheets

6. Building Water Molecules- structure of water

Materials:

Little gumdrops or marshmallows

Toothpicks

Protractors

Guidance materials/questions

7. Paper clip float- surface tension

Materials:

Plastic cups

Paperclips

8. Sticky slides- adhesion

Use the eye dropper to place water on one slide. Place the second slide on top of the wet slide. Try to pull the two slides apart. Repeat using the slides with knobs. Draw or describe your observations.

Materials:

Eye droppers

Slides- some with knobs

Guidance materials

10. Attractive streams- using a magnetized balloon to illustrate the polarity of water

Balloons

Water with dye

Wool sock

Activity Sheets

11. Penny drops- surface cohesion

Pennies

Salty, Pure and Sugar water

Activity sheets