Year 4 Science

Evaporation
Experiment with Covered and Uncovered Jars

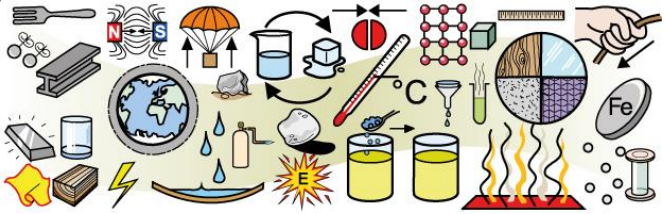
Fill two identical jars with water. Leaving one of the jars uncovered, cover the other one with some tin foil and wrap an elastic band around it to hold it as securely as possible. Then, take the jars outside and place them both in an equally sunny spot. Draw a picture of the jars, noting the current water levels. Return to the experiment regularly throughout the next week to observe and draw the amount of water in the jars. Log your data in a chart of your choosing. (This will also link with our work in computing)

Electricity

Research what electricity is, where it comes from, what it does and how it works. Present your research as a PowerPoint, poster or a fact file

Research a famous science inventor

What did he/she invent? What impact has it had on the present day? Present your research clearly and neatly in any way you see fit.

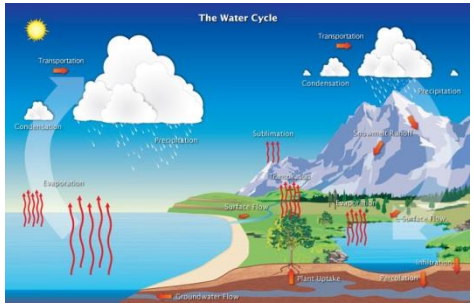


Condensation

Place 2 inches of water in a plastic sandwich bag that can be zipped/pressed shut. Close the bag tightly. Tape it to a window pane that faces the sun. Observe the bag over a two-day period, checking it in the morning as the bag begins to warm up and in the afternoon when it cools down again. Observe what happens to the water. Show your findings in any way you see fit.

States of matter

Find examples of solids, liquids and gases at home. Group them accordingly and label them. Can you photograph your sorting activity?



Water Cycle

Research the water cycle process. Create a poster which explains how it works.

Explore sound using plastic cups and string!

Start by cutting a long piece of string and poke a small hole at the bottom of each cup.

Using each end of the string, thread it through the bottoms of the cups, tying a large knot so that the string does not fall out of the cup.

Move into position and make sure the string is far enough to make it tight. Be sure that the string does not touch any other object and that it remains suspended in air as you complete the experiment. Discuss your findings!

Electricity

Have a look around your home and identify common appliances that use electricity. What effect does the electricity have on the appliance? Present your findings in any way you wish. This could be a leaflet, a PowerPoint, a poster or a detailed explanation with a diagram.