

I am H₂O - What and where have I been?

Previous learning

Last year the children learnt about States of Matter. They learnt to identify and compare the suitability of a variety of everyday materials, including wood, metal, plastic, glass, brick, rock, paper and cardboard for particular uses. They set up simple experiments and investigations.

This learning experience

During this learning experience, the children will explore states of matter in more detail and learn about the properties of different materials. They will learn about changes of state and the water cycle.

Concepts-

Living Things

Investigation

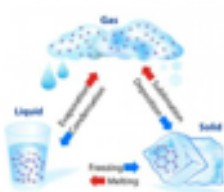
Our World

Outcome

To understand what states of matter are and the properties of materials.

Understand the water cycle

STATE OF MATTER



Solid,
liquid,
gas,
energy,
change of state,
heating,
cooling,
evaporating,
temperature,
Celsius,
condensation,
rainfall,
thermometer,
cloud,
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Knowledge and Skills

Science

Which materials are solids, liquids or gases

- Some materials change state when they are heated or cooled (chocolate, wax, water and corn flour)
- Different temperature effect different materials and how to measure temperature
- The stages of the water cycle (Evaporation, Convection, Precipitation and Collection)
 - How water evaporates
 - Temperature effects the rate of evaporation

Metacognition

Throughout this enquiry, the children will use the thinking tool of a **TACS wheel** (Thinking actively in a social context). This tool will provide a framework for working collaboratively. The children will use this wheel when working in groups when they're designing, implementing and evaluating their science experiments.

Character

Our character gateway is **explorers**. The character values that we are focusing on are **aspiration** and **resilience**. We will focus during this enquiry, on the children being aspirational about their learning as well as using resilience in their learning. The children will be encouraged to seek challenges in order to be the best versions of themselves.