

Learning intentions:

- To understand that water exists in three different states
- To understand that water is made of molecules
- To follow instructions accurately and carefully
- To use their science ideas and personal observations to make predictions
- To make a water cycle in a bag using warm water
- To describe and/or explain evaporation, condensation and precipitation

Achievement objectives

Nature of Science

LEVELS 1 AND 2

Understanding about science

- Appreciate that scientists ask questions about our world that lead to investigations and that open-mindedness is important because there may be more than one explanation.

Investigating in science

- Extend their experiences and personal explanations of the natural world through exploration, play, asking questions and discussing simple models.

Communicating in science

- Build their language and develop their understandings of the many ways the natural world can be represented.

Participating and contributing

- Explore and act on issues and questions that link their science learning to their daily living.

LEVELS 3 AND 4

Understanding about science

- Appreciate that science is a way of explaining the world and that science knowledge changes over time.
- Identify ways in which scientists work together and provide evidence to support their ideas.

Investigating in science

- Build on prior experiences, working together to share and examine their own and others' knowledge.
- Ask questions, find evidence and carry out appropriate investigations to develop simple explanations.

Communicating in science

- Begin to use a range of scientific symbols, conventions and vocabulary.

Participating and contributing

- Use their growing science knowledge when considering issues of concern to them.
- Explore various aspects of an issue and make decisions about possible actions.

Planet Earth and beyond

LEVELS 1 AND 2

Earth systems

- Explore and describe natural features and resources.

Interacting systems

- Describe how natural features are changed and resources affected by natural events and human actions.

Astronomical systems

- Share ideas and observations about the Sun and the Moon and their physical effects on the heat and light available to Earth.

LEVEL 3

Earth systems

- Appreciate that water, air, rocks and soil, and life forms make up our planet and recognise that these are also Earth's resources.

Interacting systems

- Investigate the water cycle and its effect on climate, landforms and life.