

## 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.