

Stormwater lesson

CURRICULUM LINKS

Learning objectives

- To understand that water runs downhill to the sea.
- To appreciate that the shape of the hills and where they are placed affects where the rainwater travels
- To begin to understand what is meant by a catchment basin
- To understand what happens to water after it goes down a stormwater drain
- To understand what happens to water after it goes down a sewer.
- To understand that there are small insects living in the rivers, and small and larger animals living in the seas
- To understand that if the wrong things are put down drains they can hurt the animals in the rivers and seas
- To identify and describe things that pollute our stormwater drains
- To understand that outside drains should only drain rain

Links to the curriculum

The nature of science

Levels 1 and 2

- 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.

Levels 3 and 4

- 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

Levels 1 and 2

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

Levels 3 and 4

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

Communicating in science

Levels 1 and 2

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

Levels 3 and 4

- Begin to use a range of scientific symbols, conventions and vocabulary
- Engage with a range of science texts and begin to question the purposes for which these texts are constructed

Participating and contributing

Levels 1 and 2

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

Levels 3 and 4

- 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

Level 2

Interacting systems

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

Levels 3 and 4

Earth systems

- Develop an understanding 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

Living World

Life processes

Levels 1 and 2

- Recognise that all living things have certain requirements so they can stay alive

Levels 3 and 4

- Recognise that there are life processes common to all living things and that these occur in different ways

Ecology

Levels 1 and 2

- Recognise that living things are suited to their particular habitat

Levels 3 and 4

- Explain how living things are suited to their particular habitat and how they respond to environmental changes, both natural and human-induced.

Evolution

Levels 1 and 2

- Recognise that there are lots of different living things in the world and that they can be grouped in different ways

Levels 3 and 4

- Begin to group plants, animals and other living things into science-based classifications