



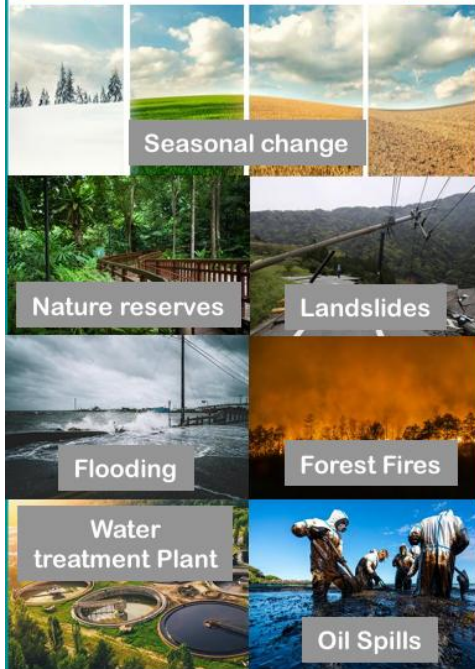
Brookfield Primary School Knowledge Organiser



Year 4: Conservation

Science is the study of the world around us through observation, description, investigation and experimentation.

How environments change?



The water people use in their homes comes from nature and must be cleaned up to be returned to nature so it can be used again. This is an important part of our water cycle.

Why environments change

NATURAL CHANGES – different seasons can change habitats. Greenhouse gases cause climate change and climate change has caused our planet to get a lot warmer over a very short period of time. This has caused more extreme weather events like hurricanes, floods and droughts. It has also caused the extinction of many living things.

HUMAN CHANGES – How humans live and what they do can impact habitats both negatively and positively.

Negative ways:

- Deforestation - cutting down trees for a range of reasons
- Littering – dropping rubbish or leaving large objects lying in the environment
- Pollution – introducing harmful substances into the environment.
- Air pollution from cars, e.g., carbon monoxide, and the burning of fossil fuels.
- Water pollution through industrial waste and farm fertilisers that can pollute rivers and streams.
- Rubbish—Plastic and household waste ends up on the streets, in the sea or in rubbish dumps, destroying habitats and wildlife.

Positive ways:

- Protecting endangered species via conservation projects
- Cleaning bodies of water
- Recycling
- Creating nature reserves

biodiversity	The variety of living things.
contaminate	To make something impure by adding a poisonous or polluting substance.
deforestation	The cutting down of forests, including rainforests.
drought	A long period of time where there is a shortage of water.
emissions	The production or discharge of something, especially gas or radiation.
migrate	To move from one area to another.
pesticide	A chemical substance used to kill insects that harm plants and crops.
pollution	Harmful or poisonous substances.

General Scientific Words

Investigate, observe, explore, experiment, group, record, analyse.

Describe ecosystems and how they are affected by changes in the seasons.

Understand human impact on the environment through deforestation.

Explore air pollution.

Understand water pollution.

Explore methods that can be used to conserve water.

Understand that humans have a positive impact on nature.

