



# Our Learning Keys

## The Environment and Climate Change

Science

Year 2

Autumn 2

### Questions

- How do Scientists know our climate is changing?
- How do changes to our climate and environment affect us?
- What impact do humans have on the wider world?
- What happens to a habitat if a plant or animal becomes extinct?
- What can we do to help?

### Images



drought



storm



flood



melting ice caps



### Links

- Literacy: Writing a letter to encourage action
- Literacy: Making posters to raise awareness
- Geography: Identifying where endangered animals live
- Maths: Measuring and recording

### Vocabulary

climate change	changes to the weather, e.g. drought, storms
atmosphere	the gases that surround a planet
global warming	temperatures around the world getting warmer
greenhouse gas	gases that trap the heat from the sun in the atmosphere
drought	lack of water
endangered	at risk of becoming extinct
extinct	there are none of that animal/plant left alive
pollution	harmful things being put in the environment
pesticides	chemicals sprayed on plants or crops to stop insects eating them

### Facts

- Most scientists agree that climate change is happening right now
- As a result of climate change, the weather is less predictable - we are getting more droughts and more storms
- Most scientists believe that climate change is happening because humans are releasing Greenhouse Gases into the atmosphere.
- Although 70% of the Earth is water, very little of it is fresh water.
- Over 10,000 species of animal are endangered.
- It is thought that human activity, such as hunting or destroying habitats, is responsible for endangered species.
- Around 20 species of plant or animal are declared extinct every year.
- Rachel Carson (1907-1964) was a Marine Biologist who explained how food chains work in the ocean.
- Rachel Carson's research made people realise that chemicals were polluting the oceans.

Previously...

In Year 1, we learnt about how our weather changes through the seasons.

Now

Next...

In Year 3, we will be learning about adaptation and about food chains.

Doors this will open...

Zoologist  
Meteorologist  
Journalist  
Campaigner  
Environmentalist  
Marine Biologist