

Our Learning Keys

The Environment and Climate Change

# Science

Autumn 2



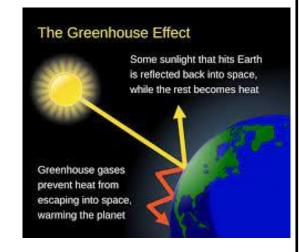
#### Questions

- 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?













melting ice caps

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

## Facts

- Most scientists agree that climate change is happening right now
- ightharpoonup 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.

Now

#### Previously...

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

Next...

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



action

- Literacy: Writing a letter to encourage
- Literacy: Making posters to raise
- Geography: Identifying where endangered animals live

awareness

Maths: Measuring and recording

Doors this will open...

Zoologist

Meteorologist

Journalist

Campaigner

Environmentalist

Marine Biologist