

Topic Vocabulary

Atmosphere — The layer of gases around the Earth that we live in.

Carbon dioxide — A gas that people and animals breathe out, and which is also released by burning fuels.

Climate change — The long-term change in Earth's weather patterns.

Environment — The natural world around us, including plants, animals, and land.

Greenhouse effect — The warming of the Earth caused by gases trapping heat in the atmosphere.

Greenhouse gas emissions — Gases released into the air that trap heat and warm the Earth.

Pollution — Harmful things that make the air, water, or land dirty.



Climate Facts to Learn



- The weather found in a certain place over a long period of time is known as the climate. An area's climate determines what kinds of plants can grow and what kinds of animals can survive there.
- The atmosphere is the layer of gases that surrounds the Earth. It is very important because it keeps us all alive!
- Greenhouse gases are gases in the Earth's atmosphere that trap heat. One of the main greenhouse gases concerned with climate change is carbon dioxide.
- Climate change describes the process of our planet heating up. There are lots of reasons for climate change, such as greenhouse gas emissions.
- Climate change contributes to extreme weather and the changes in weather we see happening in the world.



Climate Curriculum Autumn Home-Learning for Year 3



Home-Learning Challenge



- Make a poster to show the main types of greenhouse gases.
- Draw, label or colour in a map to show different climates around the world.
- Make a model to show the different types of plants and animals that live in a specific climate.
- Research different types of pollution that make the land, sea and air dirty.
- Think of your own pledge to show how you can help to look after the planet.



Useful Websites



BBC Bitesize – Explore weather and climate
<https://www.bbc.co.uk/bitesize/articles/z7dkhb#k#zpnmxbk>

BBC Bitesize – What is climate change?
<https://www.bbc.co.uk/bitesize/articles/z4g3f82#zssjwnb>

National Geographic Kids – What is climate change? -
<https://www.natgeokids.com/uk/discover/geography/general-geography/what-is-climate-change>

NASA Climate Kids – Meet the greenhouse gases
<https://climatekids.nasa.gov/greenhouse-cards>