

Topic Vocabulary

Biodiversity — The variety of animal and plant life in any environment.

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

Carbon emissions — The release of carbon dioxide into the air, mostly from burning fossil fuels.

Carbon footprint — The amount of carbon dioxide a person or activity adds to the atmosphere.

Carbon Offset — Taking action to reduce or balance out the effects of carbon emissions, like planting trees to absorb carbon dioxide.

Carbon stores — Places where carbon is kept, like in trees, soil, and oceans.

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

Ecosystems — An ecosystem is made up of all the living and non-living (water, rocks, soil and sand) things in an area.

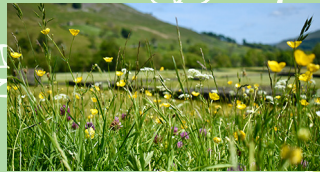
Fossil fuel — Energy sources like coal, oil, and gas that come from ancient plants and animals.

Global warming — The increase in Earth's average temperature caused by greenhouse gases.

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.

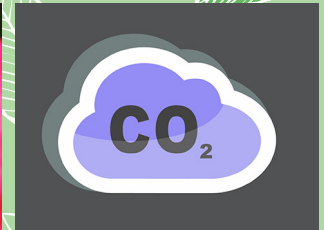
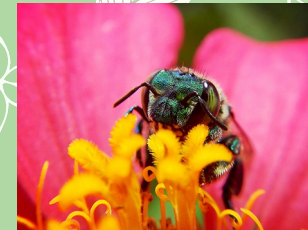
Renewable energy — Energy from sources that can be used over and over, like sunlight and wind.



Climate Facts to Learn

- The Earth's biodiversity is affected by climate change. We can have a positive impact in our local area by protecting its biodiversity.
- Ecosystems locally and across the world are affected by climate change such as flooding or drought.
- Greenhouse gases are gases in the Earth's atmosphere that trap heat. The main greenhouse gases concerned with climate change are carbon dioxide, methane, nitrous oxide and chlorofluorocarbons.
- A carbon footprint is the amount of carbon dioxide released into the Earth's atmosphere as a result of human activities, rather than any natural emissions.

Climate Curriculum Spring Home-Learning for Year 5 - World War Two -



Home-Learning Challenge



- Take action to improve the local area's biodiversity. Share your ideas in school.
- Talk to younger siblings or other family members about ways in which they can protect the Earth's biodiversity.
- Make a presentation to highlight ways in which different ecosystems can be protected.
- Create a piece of art work to show your understanding of biodiversity and ecosystems.



Useful Websites

BBC Bitesize ecosystems

www.bbc.co.uk/bitesize/articles/z2pqf
CW

Natural History Museum | What is biodiversity?

www.youtube.com/watch?v=XTC4qiXd36Q