

Year 1 and 2 Curriculum: Climate of Change

In this topic your child will learn about the impacts of climate change and how we can manage them

Core Knowledge



Climate

Climate is the pattern of weathers in an area. It includes patterns in temperature, rainfall, wind and humidity. In the UK we have 4 seasons. Our summers are typically warm and sunny, our winters are typically cold, wet and snowy. Different places around the world have different climates.



Energy

Everything that moves or is hot has energy. We use energy from our food to stay alive and to move around. TV's and computers use energy from electricity to work. Cars, busses and trains usually use energy from petrol and oils.



Pollution

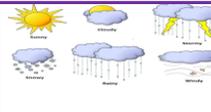
When we burn some fuels (like coal, petrol and oils) it gives out smoke and other invisible gases. We call this pollution. Pollution also includes any other chemicals that go into the environment, rubbish that we throw away and even the noise that we make. Pollution can be bad for the environment and the animals that live there.



Global warming

Scientists look carefully at the weather and climate around the world. They have noticed that each year it is getting a tiny bit warmer. The pollution from burning fuels is trapping the warmth of the sun. As the temperature gets higher, it might affect where animals and plants can live but could also mean big storms, flooding, droughts and forest fires become more frequent.

Key Vocabulary

Climate	Patterns of weather for a place over time.	
Weather	The temperature, rainfall, wind and humidity at a particular time.	
Energy	What gives an object movement or heat.	
Fuel	Things that are used to provide energy. Food and petrol are fuels.	
Pollution	The chemicals that are released into the environment.	
Environment	The area around us including plants, animals, soil and water.	
Global warming	A trend that temperatures are getting hotter.	
Temperature	How hot or cold a thing is.	
Flooding	When there is lots of water above on the land, often caused by lots of rain.	

	Drought	A long period of time without rain.	
	Forest fires	Uncontrolled fires in woodland often caused by drought.	

Context Quiz

Question	Answer
1. What does climate mean?	A pattern of weather that occurs over a long time.
2. What does weather mean?	Changes in the atmosphere, occurring daily.
3. What does pollution mean?	Smoke and other invisible gases being realised after burning some fuels.
4. What does Global warming?	The temperature getting higher because of pollution trapping the sun.
5. What is flooding? A) Lots of water above on the land B) lots of water in rivers	A) Lots of water above on the land.
6. What is a forest fire? A) Burning of woodland B) Burning of chairs C) lots of people running around.	A) Burning of woodland.
7. What is drought? A) Lots of rain B) A long period of time without rain C) water everywhere.	B) A long period of time without rain.

Useful websites to support your child with this topic



https://www.metoffice.gov.uk/binaries/content/assets/metofficegovuk/pdf/weather/learn-about/weather/weather_diary.pdf

<https://www.natgeokids.com/uk/discover/geography/general-geography/what-is-climate-change/>

<https://www.youtube.com/watch?v=C1cUEXmDXgc>

<https://climatekids.nasa.gov/climate-change-meaning/>