



Why is climate important?

Year 3

Knowing More, Remembering More

- What country of the UK do we live in?** We live in England
- Where in England do we live?** We live in the south-east of England.
- What is a continent?** A continent is a collection of countries.
- What is it like where the Antarctic penguin lives?** It is very cold, with lots of snow and ice. The sea is very cold too.
- What is it like where the Asian Panda lives?** hot, cold, wet, dry, windy, calm and snowy. The panda likes to live in the countryside.
- What is Oceania?** Oceania is a continent that is made up of lots of sea area and a few islands, including New Zealand and Australia.
- Why do some animals travel huge distances?** Some animals travel huge distances to live where it is summer.
- What different types of weather do we have in the UK?** Lightening, cloud, wind, sun, rain, snow.
- How do we know what the weather will be like?** People predict the weather and report what it will be like. They use maps and symbols to show what the weather will be like.
- How does wind affect the weather?** The wind blows from different directions, and this causes changes in weather.
- What are the points of the compass?** North, East, South, West
- What are the 4 seasons?** Spring, summer, autumn and winter.
- What happens in the different seasons?** Summer - hot, sometimes rains, sunny, Autumn - windy, rainy, cloudy, leaves turn brown, Winter - cold, windy, snow, rain, Spring - rainy, windy, not too cold, not too hot, new leaves, buds.
- How is weather different in different parts of the UK?** It is warmer and milder in the south. It is colder and more windy in the north.

In this unit children will...

- locate some of the world's climate zones on a globe or map, name examples and have some understanding of them
- extract geographical data (e.g. rainfall, temperature, weather, climate/vegetation zones) from pictorial/graphical representations
- describe and give examples of the variety of biomes and vegetation belts
- use appropriate geographical vocabulary to describe weather, climate, climate zones, biomes and vegetation belts
- identify the world's hottest, coldest, wettest and driest locations.

Key Learning Steps:

1. What are weather, climate and biomes?
2. What are the polar regions like?
3. Where are the hottest, driest places in the world?
4. Where are the hottest, wettest places in the world?
5. Which climate zone and biome do we live in?
6. Big Finish: Why is climate important?

Key Vocabulary:

alpine tundra	flora	polar tundra
Antarctic	frozen/freeze/freezing	rain forest biome
Arctic	glacier	rain shadow
arid	ice cap	rainfall map
caribou	ice flow	Sahara
Cherrapunjee	iceberg	Southern Hemisphere
climate	India	sub-tropical
climate zone - polar	Mawsynram	taiga
continent	Mojave Desert	temperate biome
deciduous (trees)	monsoon	temperature
desert	Namibian Desert	tropical biome
equatorial biome	Northern Hemisphere	vegetation
fauana	permafrost	weather forecast

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Knowing more in Y3

What is the weather like in the UK? In the UK, the climate is temperate - neither very hot, nor very cold. Scotland tends to be 'coldish', Wales tends to be 'wettish' and Eastern England tends to be 'dryish'.

What different climate zones are there across the world? Polar climate zone (very cold); temperate climate zone (neither very hot nor very cold); sub-tropical zone (hot with wet and dry seasons); equatorial, rain forest or tropical climate zone (very hot, wet); desert climate zone (very hot, dry).

Where are the coldest places in the world? The areas of the world furthest away from the equator, and closest to the poles is the coldest.

What is it like in the Polar Tundra Biome? Very cold - temperatures often dropping below -20°C , people have adapted to live in the very cold. Very little rain.

Where are the hottest places in the world? The hottest, driest places on Earth are closest to the Equator and the furthest away from the North and South Poles.

What is the 'tropical desert climate'? The tropical desert climate is hot and dry/arid, with very little, if any, rainfall.

What is the 'tropical desert biome'? The tropical desert biome is the area of tropical desert climate.

Where are (some of) the hottest, wettest places on Earth are, in relation to the equator, and North and South Poles? The hottest, wettest places on Earth are closest to the Equator and the furthest away from the North and South Poles.

What is the 'tropical rainforest climate'? They are hot and wet all year round - this creates a humid climate. The annual rainfall is high as it rains almost every day. The temperatures are constant all year round - the temperature range is usually only a few degrees. There are no seasons.

What is the 'rainforest biome'? The tropical rainforest biome is a hot, moist biome where it rains all year long. It is known for its dense canopies of vegetation that form three different layers.