



Knowledge Organiser for Year 5 & 6

Weather and Climate

Key questions:

- I can identify longitude and latitude, understanding the Northern and Southern hemisphere.
- I can explain how times zones work across the globe.
- I can explain about the six different climate zones.
- I understand what biomes are and can name the features of certain biomes.
- I know that vegetation belts are the plant life within a biome and why these are essential.
- I can present my findings about climate zones and biomes to my peers.

Key facts and figures

18mph	The fastest speed a falling raindrop can hit you.
1684	The River Thames froze solid for two months, it was that cold!
56.7 °C	The highest temperature recorded on Earth – Death Valley, California.
30,000°C	The temperature of the air around a lightning bolt (5 times hotter than the surface of the sun).
Meteorologist	A person who studies the weather.
200mph	Wind speed in Antarctica – the windiest place on Earth!
Troposphere	The lowest layer of the atmosphere, where weather happens.
885ml	The average annual rainfall in the UK.



Did you know...?

- The wind doesn't make a sound until it blows against an object.
- A typical weather station would include instruments to measure: temperature, pressure, precipitation, wind speed and humidity.
- Evidence of past climate change comes from geological record of ancient environments and glaciers, fossils of plant pollen, isotopes of elements such as carbon and oxygen, tree rings and fossil distributions.
- Locations on similar latitudes have similar day lengths.

Key vocabulary or people

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| <ul style="list-style-type: none"> ● Biome ● Time zone ● Greenwich Mean Time ● Prime Greenwich Meridian ● Atmosphere ● Eco-system ● Thermometer ● Humidity | <ul style="list-style-type: none"> ● Barometer ● Equator ● Longitude ● Latitude ● Tropic of Cancer ● Tropic of Capricorn ● Climate ● Condensation |
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