

Weather, Climate Zones and Biomes

Reference:

Spring 1, 2022-3, 2025-6

Prior Knowledge

- Names of continents and oceans
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Sticky Knowledge

- Definition of weather & climate
- Components of weather: e.g. temperature, humidity, precipitation
- Link between climate and latitude
- World Climate zones e.g. equatorial, tropical, arid, mediterranean, temperate, subpolar and polar
- World Biomes - polar, tundra, Boreal/Taiga, Tropical rainforest, deciduous forest, grassland, savannah, desert, chaparral
- Flora and Fauna
- World Time Zones inc Prime Meridian, GMT and International Date Line
- Link between longitude and Time

Skills Progression

Year 4

Know: Name and locate the equator, tropic lines, north and south pole and simple time zones.

Discover: Use maps, atlases, globes, plans and photographs. Compare and contrast geographical similarities and differences through the study of physical geography.

Record & Share: Express their own views about people, places and the environment.

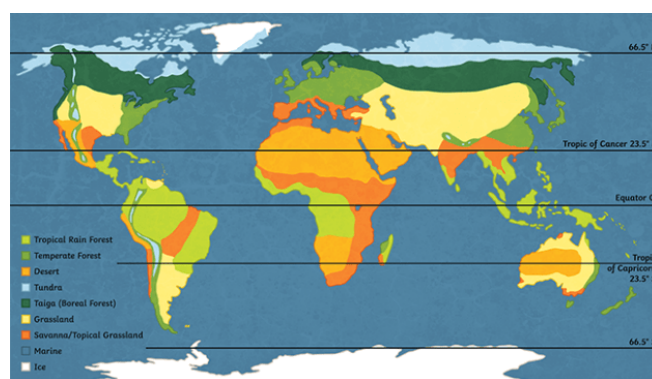
Create maps and plans

Year 5

Know: Know key parts of the globe including the equator, tropics and time zones

Discover: Use secondary source information (photographs, Internet, text).

Record & Share: Analyse evidence and draw conclusions



Year 6

Know: Know key parts of the globe including the equator, tropics and time zones

Discover: Use secondary source information (photographs, Internet, text).

Record & Share: Analyse evidence and draw conclusions

Vocabulary

Longitude & Latitude
Equator
Tropic of Cancer and Capricorn
Biomes
Climate
Precipitation
Humidity
Flora & Fauna

National Curriculum

Locational Knowledge: identify the position and significance of latitude, longitude, Equator, Northern Hemisphere, Southern Hemisphere, the Tropics of Cancer and Capricorn, Arctic and Antarctic Circle, the Prime/Greenwich Meridian and time zones (including day and night)

Physical Geography: Describe and understand key components of physical geography, including: climate zones, biomes and vegetation belts, rivers, mountains, volcanoes and earthquakes, and the water cycle

Misconceptions

Longitude and Latitude reference is the reverse of grid reference

Cross Curricular

DT: Create a shoebox Biome

Text: The Explorer by Katherine Rundell

Writing: Persuasive Letter against deforestation