

Year 5- What makes up our Earth?

What I should already know

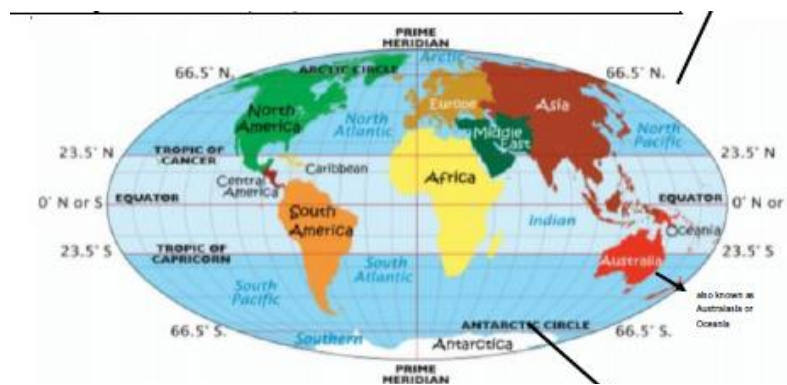
- The seven continents and five oceans
- There are different climate zones and some zones are hot and some are **cold**, some are **temperate** and some are **tropical**
- The features of different **climate** zones, including the **biomes** found there
- Human and physical geographical features in different countries, cities, towns and areas of the UK
- How magnets work and that the compass points north
- The climate zones of Brazil
- The variety of biomes in Brazil with a focus on Tropical Rainforest
- The differences between climates in Brazil

What I will know by the end of the unit – Geographical skills and enquiry

- Use an atlas, maps and globes to locate which countries lie on certain points of the Earth.
- Use the eight points of a compass to describe the locations of countries in relation to one another.
- Compare **climate zones** and discuss how these are dependent on their location on Earth
- Use Google Earth and Digi Maps to locate countries using coordinates of **longitude** and **latitude**.
- Use lines of **longitude** or **latitude** to locate major cities around the world.
- The **Prime Greenwich Meridian** and **time zones**
- Approximate coordinates of other major cities around the world using a world map and knowledge of **longitude** and **latitude**.
- Locate two different places; describe their locations using key vocabulary, their different **time zones** their **human** and **physical geographical** features, their **climate** (and how their location on Earth affects this), and describe their similarities and differences.
- Research the average temperature or rainfall at different lines of **latitude** and plot these in a graph. Is there a pattern?
- Investigate and map natural resources around the world and discuss the impacts of human activity on:
 - climate
 - biomes
 - fresh water
 - major rivers
- Investigate links between energy use around the world and climate change
- Investigate alternative energy use by looking at the **Rampion Wind Farm**

Vocabulary

Arctic Circle	imaginary line drawn around the northern part of the world at approximately 66° North. Arctic winters are long and cold while summers are short and cool
biome	a natural area of the living world which has its own climate, vegetation and animals
climate change	the general weather conditions of a place
climate zone	sections of the world that are divided according to the climate
continent	a very large area of land that consists of many countries
degrees	a unit of measurement that is used to measure angles
energy	power which comes from the use of physical or chemical resources used to provide light, power, heat or work
equator	an imaginary line around the world equidistant between the North and South Pole
Fossil fuels	A natural fuel such as coal or gas formed in the geological past from the remains of organisms
humid	A climate that is hot and damp
Greenwich	A borough in South-East London located on the prime meridian
latitude	A line running showing the distance from the equator
longitude	A line running east-west passing through Greenwich
Northern Hemisphere	half of the globe running north of the equator
Prime meridian	Line of longitude corresponding to 0 degrees
Southern Hemisphere	Half of the globe running south of the equator
Temperate	Places with mild temperatures.
Tropics	The region between the Tropic of Cancer and Capricorn



Digimaps:

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