

# Pye Bank CE Primary DSAT Knowledge Organiser

## YEAR 5

## The Shape of our World

## GEOGRAPHY

### KEY VOCABULARY

**Tropic of Cancer:** the most northerly line of latitude to experience overhead sun in summer.

**Tropic of Capricorn:** the most southerly line of latitude to experience overhead sun in summer.

**Arctic Circle:** The line of latitude north of which places experience continual sunlight in summer (March to September) and continual darkness in winter (October to February).

**Antarctic Circle:** the line of latitude south of which places experiences continual sunlight in summer (October to February) and continual darkness in winter (March to September).

**Prime Meridian:** the line of longitude which goes through Greenwich and from which time is measured.

**Time Zone:** a range of longitudes where a common standard time is used.

**GMT:** Greenwich Mean Time

**Biome:** A community of plants and associated creatures found in a large geographical region.

**Vegetation Belt:** (also known as vegetation zones) are large regions of the world that are home to certain plant species on account of the climatic conditions found there.

**Climate:** A long term weather established over a period of time (often 30 years).

### BIOMES

A biome is a natural area of plants and animals. The world is divided into lots of different biomes and they are all different depending on their climate. There is no exact number when it comes to types of Biomes, but many people believe there are six main ones:



Aquatic



Desert



Forest



Grassland



Rainforest



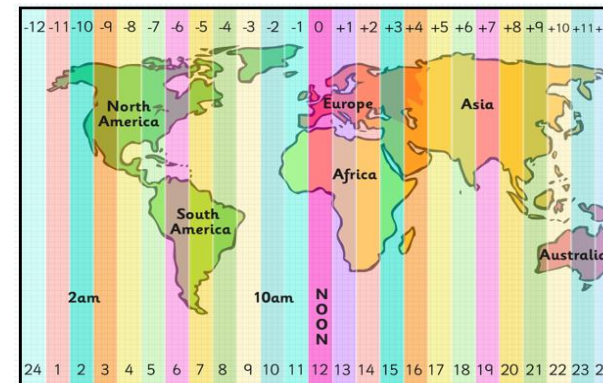
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### STICKY KNOWLEDGE

1. The world is divided into biomes (there are six main ones).
2. There are 24 time zones around the world which are all measured from the Prime Meridian.
3. Lines of longitude and latitude are used to help find places around the world. They are invisible lines which split the world up into small sections.
4. There are different climates around the world – three main ones are tropical, temperate and polar.
5. Explorers have travelled all over the world trying to discover new information about an area. Ernie Shackleton led famous expeditions to the Antarctic and Percy Fawcett explored many areas of South America.

### TIME ZONES

Time is different depending on where you are in the world. The Earth is a sphere divided into 360 degrees. The Earth turns 360 degrees in 24 hours. 360 divided by 24 is 15 degrees so the Earth turns 15 degrees each hour. The Earth has 24 different time zones and local time depends on which time zone you are in. All time zones are measured from a starting point at England's Greenwich Observatory. This point is known as the Greenwich Meridian or the Prime Meridian.

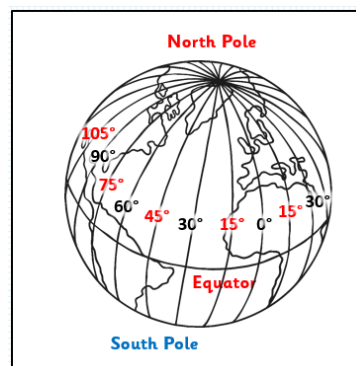


Greta Thunberg is an environmental activist. She was born in Stockholm, Sweden, in 2003. When she was eight, she started learning about climate change. In August 2018, Greta decided to take action. Instead of going to school, she made a large sign that read 'SCHOOL STRIKE FOR CLIMATE', and calmly sat down outside the Swedish parliament. Her aim? To make politicians take notice and act to stop global warming.



### LINES OF LONGITUDE

**Lines of longitude** are the lines which run north and south and are known as lines of longitude or meridians of longitude. The Prime Meridian or Greenwich Meridian line is a line of longitude at 0 degrees. It passes right through Greenwich in London.



### LINES OF LATITUDE

**Lines of latitude** (also known as parallels) circle the Earth from east to west. These invisible lines are all the same distance apart. The Tropic of Cancer lies at 23.5 degrees north and the Tropic of Capricorn lies at 23.5 degrees south of the Equator. The Northern Hemisphere is anywhere north of the Equator whilst the Southern Hemisphere is anywhere south of the Equator.

