

## Geography Subject Knowledge Bank

### Year 6: Climate Zones- What are they and why do they matter?

<u>Vocabulary</u>	<u>Definition</u>
<b>Climate zones</b>	Areas with distinct climates
<b>latitude</b>	Distance north or south of the Equator
<b>longitude</b>	distance east or west
<b>Equator</b>	An imaginary line the is an equal distance between the north and south poles
<b>Tropics of Cancer and Capricorn</b>	The Earth's northernmost or southernmost circle of latitude where the sun can be seen directly overhead
<b>Biomes</b>	Areas of the planet with a similar climate where similar plants and animals live.
<b>Climate Change</b>	A change in the typical weather over a long period of time
<b>vegetation</b>	The plant life of a region

#### What are climate zones?

- Weather changes in different parts of the world. Where there are similar weather patterns this is known as a climate.
- There are 6 climate zones: Tropical, Arid, Mediterranean, temperature, continental, polar
- The equator has tropical climate, and travelling south of the equator becomes cooler before reaching the Antarctic

#### How is the climate studied?

- Geographers look at data from tables and graphs to find patterns.
- They look at temperature, weather conditions, amount of rainfall, wind speed, air pressure.

#### Biomes and the interdependence between plants and animals

- Different types of Biomes are: Aquatic, Desert, forest, tropical, Grassland, Tundra
- Aquatic biomes include coral reefs, wetlands and are the habitats for fish, seahorse, sponges, coral, seagrass.
- Desert biomes are habitats for camels, iguanas and Mesquite tree.
- Forest biomes include temperate forests (North America and Europe) and are habitats for wolves, bears and deer.
- Tropical biomes include Amazon (South America) and are habitats for boas, jaguars and Brazil nut tree.
- Grassland Biomes include Prairies in North America are habitats for bison and elk
- Tundra Biomes are habitats for Arctic tundra plants include shrubs, sedges, reindeer mosses, liverworts, grasses and several species of lichen.
- All elements of the biome are required for the eco system to be sustained.

#### TYPES OF BIOME ∞



#### What are biomes?

- A biome is a natural area of plants and animals. The world is divided different biomes which are different depending on their climate.
- Different types of Biomes are: Aquatic, Desert, forest, tropical, Grassland, Tundra
- Climate zones are areas of the world with similar climates, whereas biome is a large region of the world that has a similar climate, with similar vegetation and animals.

