

Knowledge Organiser

| Year Group | Subject | Topic |
|------------|-----------|-------------------|
| 2 | Geography | A wonderful world |

The Big Picture

Topic: Vegetation Belts and Climate Zones Phase: KS1 Strand: Human and Physical Geography (Concept: Biomes)

| - The seven continents and the occars. | The seven continents and five oceans. |
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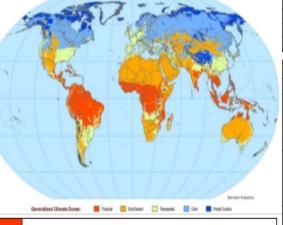
The names of a variety of common wild and garden plants, including deciduous and evergreen trees.

What should I already know?

The climates of Kenya in the continent of Africa and the UK in the continent of Europe.

Geographical Skills and Fieldwork

- Use maps, atlases and globes to identify different biomes. What do you notice about the colours used to identify deserts, tundra, rainforests and grasslands?
- Label maps to show where biomes can be located.
- Describe what the vegetation is like in each biome.
- Complete a table to show what the biomes are in different parts of the world (e.g. North Africa, Central Australia, North Russia).
- Describe the relationship between biomes and climate zones.
- Research the annual rainfall in different biomes and show it in a graph.



| tropical |
|--------------|
| desert |
| temperate |
| cold |
| polar tundra |

| | Thater No.2 | | | |
|--------------|---|--|--|--|
| | Vocabulary | | | |
| biome | the general weather conditions that are typical of a place climate zone sections of the Earth that are divided according to the climate. There are three main climate zones; polar, temperate and tropical. continent a very large area of land that consists of many countries. Europe is a continent. | | | |
| climate | | | | |
| climate zone | | | | |
| continent | | | | |
| deciduous | | | | |
| desert | ert a large area of land, usually in a hot region, where there is almost no water, rain or vegetation | | | |
| equator | an imaginary line around the middle of the Earth at an equal distance from the North Pole and the South Pole. | | | |
| evergreen | evergreen a tree or bush which has green leaves all the year round | | | |
| forest | a large area where trees grow close together | | | |
| globe | a ball-shaped object with a map of the world on it | | | |
| grassland | and a large area covered by wild grass | | | |
| humid | a climate that is very hot and damp | | | |
| ocean | one of the five very large areas of salt water on the Earth's surface. | | | |
| poles | the two opposite ends of Earth at its most northern and southern points | | | |
| rainfall | the amount of rain that falls in a time period | | | |
| rainforest | a thick forest of tall trees which is found in tropical areas | | | |
| temperate | perate a place which is neverextremely hot or extremely cold | | | |
| temperature | mperature a measure of how hot or cold something is | | | |
| tropical | pical The tropics have a humid climate, where the weather is not and damp. They are near the equator. | | | |
| tundra | dra a flat layer of land where the top layer is frozen. There is hardly any vegetation. | | | |
| vegetation | plants, trees and flowers | | | |
| wild | d animals or plants that live or grow in natural surroundings and are not looked after by people | | | |

| | | Biome Descriptions | | | |
|---|---------------------|---|-------|-------------------------------------|--|
| | Biome | Typical Climate | Image | Example of location | |
| 4 | tundra | very cold and dry all year round | | North Russia, Arctic and Antarctica | |
| | desert | dry and hot all year round | | North Africa, Central Australia | |
| | rainforest | hot, humid and wet all year round | | South America | |
| | temperate forest | cool winters and mild summers | | UK, Russia, Europe | |
| | grassland | cold winters and hot summers | | United States of America | |

Enquiry Question Question 1: Which two of these are likely to have Question 3: Complete the sentence: The closer an Start of unit: End of unit: the least vegetation? Start of unit: End of unit: area is to the _ _, the more tropical the climate is. tundra poles forest equator desert UK rainforest Question 4: Order these places according to the Question 2: The weather in the tundra is usually... Start of unit: End of unit: Start of unit: End of unit: amount of vegetation there is. 1 is the highest amount of vegetation, 3 is the least. hot, humid and wet rainforest very cold and dry desert cool winters and mild summers grassland Question 5: Match these biomes to their pictures, then match the picture to the description of the climate. One has been Start of unit: End of unit: very hot and dry all year round tundra rainforest very cold and dry all year round grassland cold winters and hot summers desert hot, humid and wet all year round