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| **Alderley Edge Community Primary School** |
| **TOPIC: Biomes (Deserts and Polar regions)** | **Strand: Human and Physical Geography (Concept: Biomes)**  | **Year 1** |

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| **What should I already know?**  |
| * UK in is Europe and Kenya is in Africa
* The names of a variety of common **wild** and garden plants, including **deciduous** and **evergreen** trees.
* The **climates** of Kenya in the **continent** of Africa and the UK in the **continent** of Europe.
* That there are 4 seasons in UK – summer, autumn, winter and spring
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| **Geographical Knowledge, Skills and Fieldwork** **by the end of topic** |
| * Use maps, atlases and **globes** to polar and desert **biomes**. What do you notice about the colours used to identify **deserts,** and **polar**?
* 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. Sahara desert in Africa and Artic Circle)
* Describe the relationship between **biomes** and **climate zones.**
* Research the annual **temperature and rainfall** in different **biomes** and show it in a graph
* Know some of the animals and plants that will live in the biome
* That the polar region only has 2 seasons – winter and summer
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|   | **desert**  |
|   | **polar tundra**  |

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|  | **Vocabulary**  |
| biome  | a natural area of the living world which has its own **climate,** **vegetation** and animals  |
| climate  | the [general](https://www.collinsdictionary.com/dictionary/english/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**.  |
| deciduous  | a tree that [loses](https://www.collinsdictionary.com/dictionary/english/lose) its leaves in the [autumn](https://www.collinsdictionary.com/dictionary/english/autumn) every [year](https://www.collinsdictionary.com/dictionary/english/year)   |
| desert  | a large area of land, usually in a [hot](https://www.collinsdictionary.com/dictionary/english/hot) region, where there is almost no water, [rain](https://www.collinsdictionary.com/dictionary/english/rain) or **vegetation**  |
| equator  | an [imaginary](https://www.collinsdictionary.com/dictionary/english/imaginary) [line](https://www.collinsdictionary.com/dictionary/english/line) around the [middle](https://www.collinsdictionary.com/dictionary/english/middle) of the Earth at an equal [distance](https://www.collinsdictionary.com/dictionary/english/distance) from the North Pole and the [South](https://www.collinsdictionary.com/dictionary/english/south) Pole.  |
| evergreen  | a tree or [bush](https://www.collinsdictionary.com/dictionary/english/bush) which has [green](https://www.collinsdictionary.com/dictionary/english/green) leaves all the year [round](https://www.collinsdictionary.com/dictionary/english/round)   |
| forest  | a large area where trees grow close together  |
| globe  | a ball-shaped object with a map of the world on it  |
| humid  | a **climate** that is very hot and damp  |
| ice | Frozen water |
| 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](https://www.collinsdictionary.com/dictionary/english/southern) points  |
| polar | Large areas of land and sea around the north and south poles  |
| rainfall  | the amount of rain that falls in a time period  |
| temperature  | a measure of how hot or cold something is  |
| vegetation  | plants, trees and flowers  |
| wild  | animals or plants that live or grow in natural surroundings and are not looked after by people  |

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| **Biome** | Typical **Climate** | Image | Example of location |
| **desert**  | dry all year roundcan be hot or cold |   | North Africa, Central Australia |
| **polar regions** | Cold and windy all year round |  | North and south poles |