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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 | |
| **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 round  can be hot or cold |  | North Africa, Central Australia |
| **polar regions** | Cold and windy all year round |  | North and south poles |