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| **Topic: Features of Navigation** | **Strand: Locational Knowledge/Human and Physical Geography** |
| **What should I already know?** | **Vocabulary** |
| * The seven **continents** and five **oceans** * There are different **climate zones** (e.g. polar regions), and that some zones are hot and dry, some are cold, some are **temperate** and some are **tropical.** * The features of different **climate** zones, including the **biomes** found there. * **Human** and **physical geographical** features in different countries, cities and towns. * How magnets work and that compasses point north.      |  | | --- | | **Geographical Skills and Fieldwork** |   -Use an atlas, maps and globes to locate which countries lie on certain points of the Earth.   * Use the eight points of a compass to describe the locations of countries in relation to one another. * Compare **climate zones** and discuss how these are dependent on their location on Earth. * Use Google Earth to locate countries using coordinates of **longitude** and **latitude**. * Use lines of **longitude** of **latitude** to locate major cities around the world. * Approximate coordinates of other major cities around the world using a world map and knowledge of **longitude** and **latitude**. * Locate two different places; describe their locations using key vocabulary, their **human** and **physical geographical** features, their **climate** (and how their location on Earth affects this), and describe their similarities and differences. * Research the average temperature or rainfall at different lines of **latitude** and plot these in a graph. Is there a pattern? | |  |  | | --- | --- | | Arctic circle | imaginary line [drawn](https://www.collinsdictionary.com/dictionary/english/draw) around the northern part of the world at [approximately](https://www.collinsdictionary.com/dictionary/english/approximately) 66° North.  Arctic winters are long and cold while summers are shortand cool | | 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**. | | degrees | a unit of measurement that is used to measure angles | | 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. | | human  geography | features of land that have been impacted by human activity | | humid | a **climate** that is very hot and damp | | Greenwich | borough of Greater London, England, located on the **prime meridian** | | latitude | **latitude** of a place is its distance from the **equator** | | longitude | **longitude** of a place is its distance to the west or east of a line passing through [Greenwich.](https://www.collinsdictionary.com/dictionary/english/greenwich) | | Northern  Hemisphere | that [half](https://www.collinsdictionary.com/dictionary/english/half_1) of the [globe](https://www.collinsdictionary.com/dictionary/english/globe) lying north of the **equator** | | ocean | one of the five very large areas of salt water on the Earth's surface. | | physical  geography | natural features of land | | prime  meridian | [**prime**](https://www.collinsdictionary.com/dictionary/english/prime) **meridian** is the line of longitude, correspond[ing](https://www.collinsdictionary.com/dictionary/english/correspond) to [zero](https://www.collinsdictionary.com/dictionary/english/zero) [degrees](https://www.collinsdictionary.com/dictionary/english/degree) and [passing](https://www.collinsdictionary.com/dictionary/english/passing) through Greenwich, England, from which all the other lines of **longitude** are calculated. | | Southern  Hemisphere | that [half](https://www.collinsdictionary.com/dictionary/english/half_1) of the [globe](https://www.collinsdictionary.com/dictionary/english/globe) lying south of the **equator** | | temperate | a place which is never extremely hot or extremely cold | | time zone | one of the areas into which the world is divided where the time is [calculated](https://www.collinsdictionary.com/dictionary/english/calculate) as being a particular number of hours behind or [ahead](https://www.collinsdictionary.com/dictionary/english/ahead) of GMT (Greenwich Mean Time) | | tropics | parts of the world that [lie](https://www.collinsdictionary.com/dictionary/english/lie) between two lines of [**latitude**,](https://www.collinsdictionary.com/dictionary/english/latitude) the **Tropic** of [Cancer,](https://www.collinsdictionary.com/dictionary/english/cancer) 23½° north of the [**equator**,](https://www.collinsdictionary.com/dictionary/english/equator) and the **Tropic** of [Capricorn,](https://www.collinsdictionary.com/dictionary/english/capricorn) 23½° south of the **equator**. The **tropics** have a **humid** climate, where the weather is hot and damp. | |