|  |  |
| --- | --- |
| **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. |
| humangeography | 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) |
| NorthernHemisphere | 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. |
| physicalgeography | natural features of land |
| primemeridian | [**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. |
| SouthernHemisphere | 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. |

 |