

### I have already learnt to...

- **Locational knowledge**
- name and locate countries and cities of the UK
- name and locate the seven continents, five oceans and world countries
- identify physical and human features of regions of the UK
- **Place Knowledge**
- compare the UK with other regions
- **Human and Physical**
- use basic geographical vocabulary to refer to human and physical features of an area
- **Geographical skills and fieldwork**
- use a world map, atlas, globe to identify countries, continents and oceans
- use the terms North, South, East and West to describe the location of features and routes on a map
- use aerial photographs to recognise landmarks and features of a place
- use the eight points of a compass to describe places in the UK

### What I learnt in year 4

- I learnt to identify physical and human features of a country in Europe and North and South America
- I learnt to compare a region of the UK with a region in a European Country
- I learnt to understand some of the key aspects of human geography
- I learnt to use digital/computer mapping to locate countries and describe features
- I learnt to use four figure grid references and symbols on an OS map to describe places in the UK and wider world
- I learnt to use fieldwork to observe the human and physical features of an area, including plans and araphs

### What I will have learnt by the end of this unit

- I will have learnt to identify the position of the Equator
- I will have learnt about the significance of the Equator
- I will have learnt to use an atlas by using the index to find places
- I will have learnt to identify the position and significance of latitude and longitude and the Northern and Southern hemisphere
- I will have learnt that lines of latitude and longitude can be used to locate places on the Earth's surface.
- I will have learnt to name a number of countries in the northern and southern hemisphere.

### Year 5 I can statements

- I will have learnt to identify the significance of the tropics of Cancer and Capricorn and the Arctic and Antarctic Circle
- I will have learnt to locate the Tropic of Cancer and Tropic of Capricorn and the Arctic and Antarctic Circle

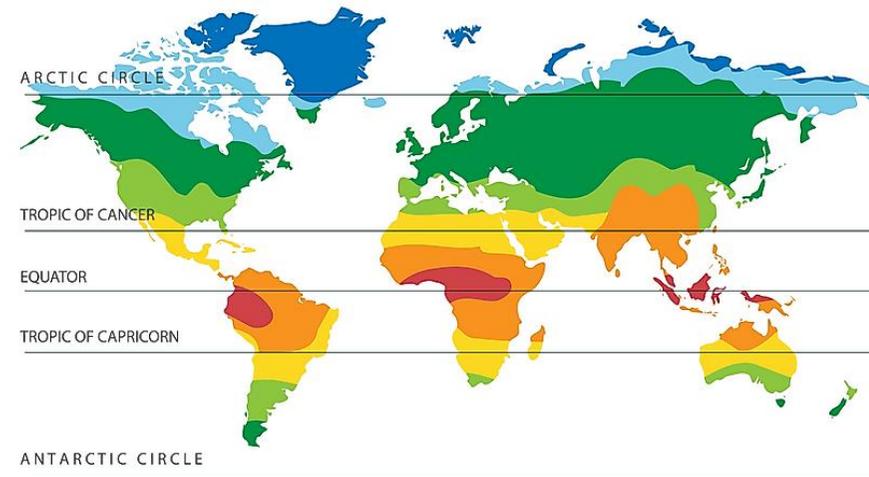
I will also have learnt...

- that there are different time zones on earth

## Subject Knowledge Organiser

### Geography - Year 5

Turn back time - Locational Knowledge



### What I will have learnt by the end of my Key Stage

- Identify the position and significance of the Equator and the Northern and Southern hemisphere
- I will have learnt to name a number of countries in the northern and southern hemisphere.
- Identify the position and significance of latitude and longitude
- Identify the position and significance of the tropics of Cancer and Capricorn and the Arctic and Antarctic Circle
- I will have learnt to locate the Tropic of Cancer and Tropic of Capricorn.
- I will have learnt to identify and name the Tropics of Cancer and Capricorn as well as the Arctic and Antarctic Circles.
- Identify the position and significance of the Prime/Greenwich Meridian and time zones (including day and night)
- I will have learnt to explain how time zones work and calculate time differences around the world.
- I will have learnt to use an atlas by using the index to find places
- I will have learnt to answer questions by using a map.

### Key Vocabulary

**Equator** - It is an imaginary line around the Earth that goes exactly midway between the North Pole and the South Pole and divides it into two equal halves, the Northern Hemisphere and the Southern Hemisphere.

**Atlas** - An atlas is a collection of maps set out like a book.

**Globe** - a round model of the earth used like a map.

**Hemisphere** - A hemisphere is half of a sphere, or ball. People use the word to describe one half of Earth. Geographers, or people who study Earth, have divided the planet into two sets of two hemispheres. These are the Northern and Southern hemispheres and the Eastern and Western hemispheres.

**Longitude** - Lines of longitude are imaginary lines on globes or maps that run in a north-south direction. Can also be called **meridians**.

**Latitude** - Lines of latitude are imaginary lines on globes or maps that run in an east-west direction across Earth.

**Prime Meridian** - The prime meridian is the imaginary line that divides Earth into two equal parts: the Eastern Hemisphere and the Western Hemisphere. The prime meridian is used as the basis for the world's time zones and runs through Greenwich in London.

**Tropic of cancer** - The Tropic of Cancer is an imaginary latitude line located above the equator.

**Tropic of Capricorn** - The Tropic of Capricorn is an imaginary latitude line located below the equator.

**Climate** - Climate is the average weather conditions in a place

**Arctic** - The Arctic is located at the northernmost part of our planet.

**Antarctic** - The Antarctic is the earth's southernmost continent. It's the icy region around the South Pole. It's found in the southern

### Key Knowledge

**Identify the significance of the tropics of Cancer and Capricorn and the Arctic and Antarctic Circle and locate them on a map.**

The Tropic of Cancer and the Tropic of Capricorn are the two most important latitude lines made, apart from the equator. The Tropic of Cancer is the latitude north of the Equator. This is the exact location where the Sun is overhead on June 21<sup>st</sup>. The Tropic of Capricorn is the latitude line south of the Equator. The sun appears directly over this latitude on December 21<sup>st</sup>.

The Arctic is located at the northernmost part of our planet in the northern hemisphere. The Antarctic is the earth's southernmost continent. It's the icy region around the South Pole and found in the southern hemisphere. The arctic is an ocean almost surrounded by land. The Antarctic is a continent surrounded by ocean. Animals in the arctic include polar bears, reindeer, musk ox, arctic foxes and hares. There are many animals in the ocean, including penguins, seals and many birds.

### My Skills and Knowledge that I may use from other subjects

**Literacy:** I will be able to use my drama skills to create a convincing weather forecast to present to the class.

**Literacy:** I will be able to use the sentence starters to create coherent sentences explaining the similarities and differences between the Arctic and Antarctic.

**Science:** I will be able to use my knowledge about the weather in the UK to help me compare this to weather in the tropics.

**Computing:** I will be able to use a search engine to research key information about the climate of a specific area of the tropics.

### Key Geographical

#### Concepts

- Physical
- Human
- Locational
- Place knowledge
- Geographical skills

### Recall and Remember

**Can you answer these 8 questions in 8 minutes?**

1. What is the Tropic of Cancer?
2. What is the Tropic of Capricorn?
3. Where is the Arctic?
4. Where is the Antarctic?
5. Can you give me some similarities and differences between the Arctic and Antarctic?

### Key Skills I will learn/use

**Describe** - I will be able to describe the similarities and differences between the Arctic and Antarctic.

**Connect ideas** - I will be able to connect my knowledge of the UK weather with my new knowledge of the weather in the tropics in order to compare them.

**Question** - I will question ideas and concepts that I am not sure of to gain further understanding.

**Discuss/ideas/points of view** - I will further my learning by discussing subjects in peer groups, seeing other's points of view and challenging my own.

**Respond thoughtfully** - I will learn to respond thoughtfully to