

### I have already learnt to...

- **Locational knowledge**
- name and locate the seven continents, five oceans
- identify physical and human features of an area
- **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

### What I learnt in year 3

- I learnt to name and locate countries and cities of the UK and countries across the world
- I learnt to identify human and physical features of regions in the UK
- I learn to compare a region of the UK with a region of North or South America
- I learnt to describe the human geography of an area
- I learnt to use a world map, atlas and a globe to identify countries and describe features
- I learnt to use the eight points of a compass and basic symbols to describe places in the UK
- I learn to use fieldwork to observe and record the human and physical features of an area, including sketch maps

### 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

### **Year 4 I can statements**

- 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.

I will also have learnt...

- the names the tropic of cancer and Capricorn as well as the arctic and Antarctic and be able to label them on a map
- that there are different time zones on earth

### Subject Knowledge Organiser

#### **Geography - Year 4**

Turn back time - Locational Knowledge



### Key Knowledge

#### **Identify the position and significance of latitude and longitude and the Northern and Southern hemisphere**

Lines of longitude are imaginary lines on globes or maps that run in a north-south direction. They can also be called meridians. Lines of latitude are imaginary lines on globes or maps that run in an east-west direction across Earth. Latitude and longitude make up the grid system that helps us identify locations on the Earth's surface. The Equator is the starting point for the latitude measuring system. The Equator splits the earth into the Northern and Southern Hemisphere.

#### **Name a number of countries in the northern and southern hemisphere.**

Northern Hemisphere - Austria, Belgium, Bulgaria, Canada, China, France, Germany, Hungary, India, Japan, Mexico, Netherlands, Norway, Poland, Romania, Russia, Spain, Sweden, Switzerland, United Kingdom, Ukraine, and the United States.

Southern Hemisphere - Argentina, Australia, Bolivia, Brazil, Chile, New Zealand,

### 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 hemisphere.

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

**Mathematics:** I will be able to use my knowledge of coordinates on a map to help me locate countries using lines of latitude and longitude. I will use my mathematical knowledge of shapes to understand the concept of a hemisphere.

**Reading:** I will be able to use my reading and comprehension skills to pick out key information about different countries that I research.

**Computing:** I will be able to use a search engine to research key information about countries in the two hemispheres.

**Science:** I will be able to use my knowledge about the weather in the UK to help me compare this to countries in the Northern and Southern Hemisphere.

### Key Skills I will learn/use

**Describe** - I will be able to describe the purpose of lines of Latitude and Longitude.

**Connect ideas** - I will be able to connect my knowledge of the UK weather to my new knowledge of the weather patterns of the Northern and Southern Hemisphere 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 questions and subjects using what I have learnt so far.

### Key Geographical Concepts

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

### Recall and Remember

Can you answer these 7 questions in 7 minutes?

1. What is a line of latitude?
2. What is a line of longitude?
3. What is another name for a line of longitude?
4. Why do globes and maps have lines of latitude and longitude?
5. What is the purpose of the Equator?
6. Can you name some countries in the Northern Hemisphere?
7. Can you name some countries in the Southern Hemisphere?