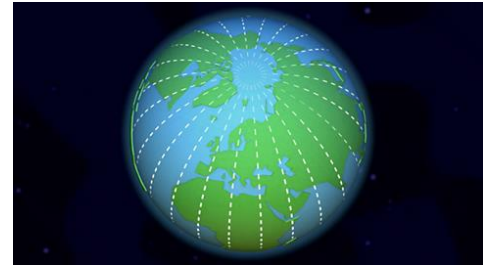




YEAR 4 LATITUDE AND LONGITUDE



WHAT IS PHYSICAL GEOGRAPHY?

Physical geography is the study of the Earth's features, like mountains, rivers, forests, and oceans. It helps us understand how the Earth works and how humans live with nature. One important part of physical geography is knowing exactly where places are on the Earth. This is where latitude and longitude come in.

WHAT ARE LATITUDE AND LONGITUDE?

Latitude and longitude are two imaginary lines that divide the world into smaller sections, making it easier to find places on a map. These lines form a grid around the Earth.

- **Latitude:** These lines run from east to west and are measured in degrees. They tell you how far north or south you are from the Equator. The Equator is the line that divides the Earth into the Northern and Southern Hemispheres. The further away you are from the Equator, the higher your latitude number.
- **Longitude:** These lines run from north to south and are measured in degrees too. They tell you how far east or west you are from the Prime Meridian. The Prime Meridian runs through a place called Greenwich in London, UK. The further away you are from the Prime Meridian, the higher your longitude number.

WHY ARE LATITUDE AND LONGITUDE IMPORTANT?

Latitude and longitude help us find any place on Earth. For example, if someone asks where London is, you can give them its coordinates: 51.5074° N latitude and 0.1278° W longitude. This makes it easy to know exactly where to go!

HOW DO LATITUDE AND LONGITUDE WORK TOGETHER?

Latitude and longitude work like a pair of coordinates on a map, kind of like the address of a house. Imagine the Earth is a giant grid. Latitude lines run across it like the rungs of a ladder, and longitude lines go up and down like the posts. When you know both the latitude and longitude of a place, you can find it exactly.

THE EQUATOR AND THE POLES

The Equator is special because it is the starting point for measuring latitude. It is halfway between the North Pole and the South Pole. The North Pole is at 90° N latitude, and the South Pole is at 90° S latitude. These are the furthest points you can go on the Earth in each direction.



THE PRIME MERIDIAN

The Prime Meridian is another important line. It is at 0° longitude and runs through Greenwich, England. This is where we start measuring longitude, just like the Equator is where we start measuring latitude. The Prime Meridian divides the world into two halves: the Eastern Hemisphere and the Western Hemisphere.

EXPLORING THE WORLD WITH LATITUDE AND LONGITUDE

Latitude and longitude are used by explorers, pilots, sailors, and even in space travel! They help people travel safely from one place to another by knowing their exact location on Earth. With these lines, you can travel around the world and find any place you want to go.

CONCLUSION

Latitude and longitude are an important part of physical geography because they help us know where we are on the Earth. They help explorers and adventurers travel the world and help us understand how the Earth is divided. By learning about latitude and longitude, we can better understand the world we live in.

FIND OUT MORE...

[BBC Bitesize Understanding latitude and longitude](#)

EXAMPLE QUESTIONS:

1. What is the difference between latitude and longitude?
2. How does the Equator help us measure latitude?
3. Where does the Prime Meridian pass through?
4. What do the coordinates 0° N latitude, and 0° W longitude represent?
5. Why are latitude and longitude important for explorers?