

Longitude and Latitude Knowledge Organiser



You should already know:

- the countries of Europe
- natural disasters and why they occur
- that civilisations and Empires are often formed through conflict
- climate change affects wildlife as well as humans

Latitude and longitude is a coordinate system by means of which the position or location of any place on Earth's surface can be determined and described.

Glossary

1	Continent	One of the earth's seven major areas of land (eg Europe, Asia etc)
2	Equator	The imaginary circle around the earth that is halfway between the North and South Poles
3	Latitude	The distance between the equator and a point north or south on the Earth's surface. This distance is measured in degrees.
4	Longitude	Distance on the Earth's surface east or west of an imaginary line on the globe that goes from the north pole to the south pole and passes through Greenwich. Longitude is usually measured in degrees.
6	Time Zone	A region in which all the clocks are set to the same time. The Earth is divided into twenty-four time zones. The time in each zone is one hour earlier than it is in the zone to its east.
7	Tropic Of Cancer	An imaginary line around the Earth parallel to the Equator and about twenty-three degrees north of it, representing the northernmost latitude at which the sun is ever directly overhead.
8	Tropic of Capricorn	An imaginary line around the Earth parallel to the Equator and about twenty-three degrees south of it, representing the southernmost latitude at which the sun is ever directly overhead.

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 also used as the basis for the world's time zones.

The prime meridian appears on maps and globes. It is the starting point for the measuring system called longitude. Longitude is a system of imaginary north-south lines called meridians. They connect the North Pole to the South Pole.

Time Zones

Scientists used this information to divide the planet into 24 sections or time zones. Each time zone is 15 degrees of longitude wide. ... As you move west from Greenwich, every 15-degree section or time zone is an hour earlier than GMT, while each time zone to the east is an hour later.



A **time zone** is an area on Earth that has a specific **time** that all citizens can set their clocks to. Different places on Earth have different **time zones**. They exist because the earth is round and they allow everyone to



When the time is midday in London it is:

- 1pm in Paris
- 7am in New York
- 7pm in Beijing
- 9pm in Sydney

