

**Caroline Haslett Primary School - Geography**

Autumn Term

Year 5

Latitude, Longitude and Time Zones

**Prior Knowledge**

The equator is an imaginary line that divides the Earth in half.

The Northern hemisphere is the half of the earth that is above the equator. The southern hemisphere is the half of the earth that is below the equator.

**New Knowledge**

Lines of latitude and longitude are used to pinpoint an exact place in the world. They are labelled using °.

The equator is the line of latitude at 0°.

The Tropic of Cancer is a line of latitude that is 23.5° north of the equator. The Tropic of Capricorn is a line of latitude that is 23.5° south of the equator.

The Arctic Circle is a line of latitude that is 66° north of the equator. The Antarctic Circle is a line of latitude that is 66° south of the equator.

Lines of longitude are also called meridians. Line 0° passes through a place called Greenwich in London. It is called the Prime (Greenwich) Meridian and all other lines of longitude measure how many degrees east or west they are from it.

Different places on Earth have different time zones. Each time zone is 1 hour apart. The United Kingdom's time zone is called Greenwich Mean Time (GMT).

**Activities**

Identify locations using lines of longitude and latitude.

Investigate the time in different countries when it is midday in Milton Keynes.

**Vocabulary**

**Antarctic Circle** - the line of latitude that is 66° south of the equator.

**Arctic Circle** - the line of latitude that is 66° north of the equator.

**Equator** - the line of latitude at 0°.

**Greenwich Mean Time (GMT)** - The United Kingdom's time zone.

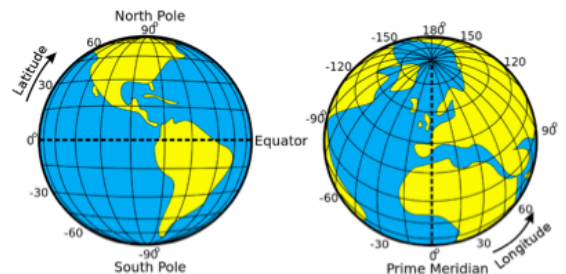
**Lines of Latitude** - imaginary lines that go around the Earth west to east that are level with the equator.

**Lines of Longitude** - imaginary lines that go north to south between the North and South Poles.

**Prime (Greenwich) Meridian** - the line of longitude at 0°.

**Tropic of Cancer** - the line of latitude that is 23.5° north of the equator.

**The Tropic of Capricorn** - the line of latitude that is 23.5° south of the equator



**Skills and National Curriculum Objectives**

Use maps, atlases, globes and digital/computer mapping to describe features studied.

Identify the position and significance of latitude, longitude, Equator, Northern Hemisphere, Southern Hemisphere, the Tropics of Cancer and Capricorn, Arctic and Antarctic Circle, the Prime/Greenwich Meridian and time zones (including day and night).

Understand geographical similarities and differences.

<b>Location Knowledge</b>	Identify the position and significance of latitude, longitude, Equator, the Tropics of Cancer and Capricorn, Arctic and Antarctic Circle, the Prime/Greenwich Meridian and time zones [including day and night].
<b>Place knowledge</b>	Understand geographical similarities and differences - explain why it is a certain time in one place, yet a different time in another.
<b>Human and physical geography</b>	-
<b>Geographical skills and fieldwork</b>	Use maps, atlases, globes and digital/computer mapping to describe features studied. Follow or describe lines of longitude and latitude to identify a particular position.