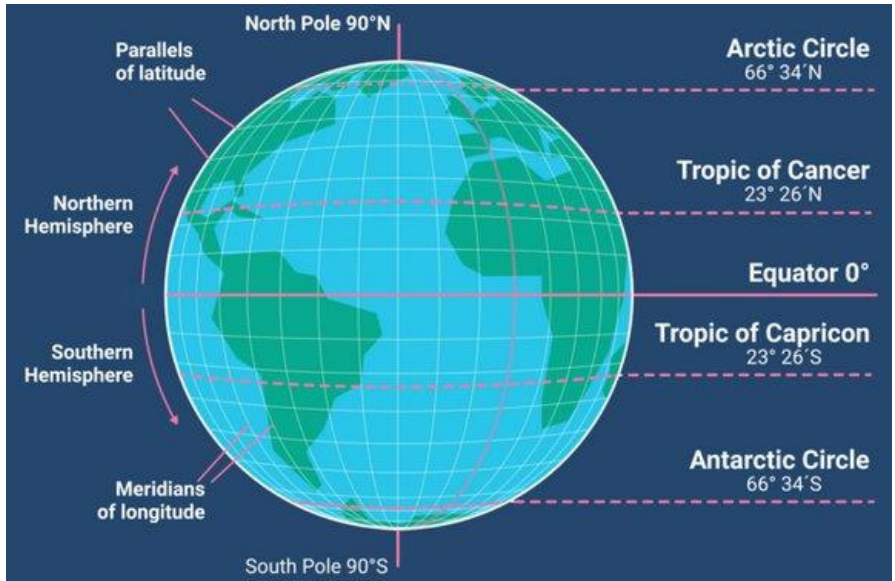


# Year 4 Geography

## How does geographical location relate to climate and time zones?

**Lines of Longitude and Latitude** are invisible lines that can be used to give directions to places around the world.

Time zones are also calculated using the **Prime Meridian** line. The world is split into 24 time zones, one for each hour of the day. Places to the east of the Meridian line are ahead of the UK, and places to the west are behind the UK.





### Climate zones

Climate is the pattern of weather in a place over long periods of time. The type of climate a place has impacts the **biome**; it will affect what kind of soil, **vegetation** (plants) and animals live there. **Climates vary depending on the location of the place: places which are closer to the equator have a different climate to places which are further away.**

### Map Skills



<p><b>Lines of latitude</b> are used to find out how far north or south a place is.</p> <p>These lines run parallel to the Equator.</p> <p>The equator is a line of latitude at 0 degrees.</p> <p>The <b>Arctic and Antarctic circles</b>, and the <b>Tropics of Cancer and Capricorn</b> are also lines of latitude.</p>	<p><b>Lines of longitude</b> are used to find out how far east or west a place is.</p> <p>These lines run from the top of the Earth to the bottom.</p> <p>The meridian line in Greenwich is a line of longitude at 0 degrees.</p>
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<p><b>Longitude</b></p> 	<p>The measurement east or west of the prime meridian.</p>	<p><b>Tropics of Cancer and Capricorn</b> imaginary latitude lines above and below the equator</p>
<p><b>Latitude</b></p> 	<p>The measurement of distance north or south of the Equator.</p>	<p><b>Prime/ Greenwich Meridian</b> the line of 0° longitude, the starting point for measuring distance</p>

Maps can be used to navigate around areas. They have grid-reference numbers to help you find specific locations. In the UK, maps are very detailed and show physical (natural) and human (man-made) characteristics.

In **uninhabited** (no one lives there) places, such as Antarctica, detailed maps haven't been created due to the harsh weather, the difficult land, and its large size.