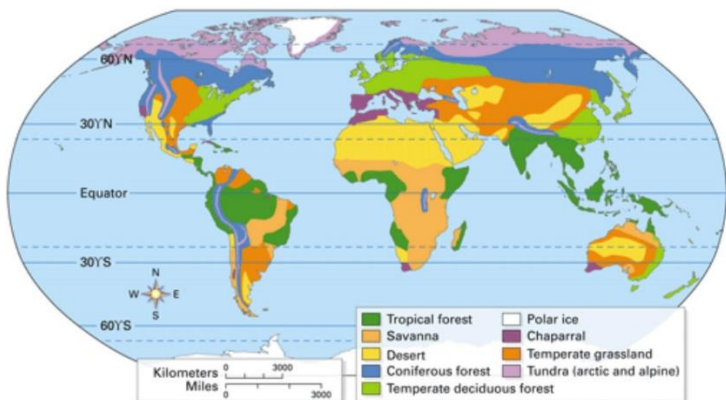


**What should I already know?**

- The equator is an imaginary line of latitude which runs through the centre of the earth.
- Climate is different to weather – it's a pattern of weather over a long period of time.
- Earth spins on its axis creating day and night.
- It is cold near to the poles and hot near to the equator.
- Italy has a Mediterranean climate and the UK have a temperate climate.



**What will I find out by the end of the unit?**

**Time zones**

- Earth is divided into 24 different time zones – one for each hour of the day.
- Line of longitude running through the UK called the **Prime Meridian**.
- The Prime Meridian splits the world into eastern and western **hemispheres**.
- Time in countries to the east of the Prime Meridian is always in front of that in the UK.
- Time in countries to the west of the Prime Meridian is always behind that of the UK.

**Climate zones**

- Tropic of Cancer is a line of latitude north of the equator.
- Tropic of Capricorn is the line of latitude south of the equator.

**Climate zones are:**

- Tropical – hot and wet - Brazil
- Arid – hot and dry - Egypt
- Mediterranean – hot dry summers, cool wet winters - Greece
- Temperate – mild summers, cold winters - France

**Geography skills and fieldwork**

- Use time zone maps to find countries so many hours ahead or behind the UK.
- Locate countries in each climate zone.
- Compare populations in various countries from various climate zones.
- Find out how climate change is affecting the future e.g. animal survival – polar bears or natural disasters – flooding.

**Vocabulary**

equator	imaginary line of latitude running through the centre of the earth.
Prime Meridian	line of longitude running through the UK and London
Northern hemisphere	north of the equator
Southern hemisphere	south of the equator
Tropic of Cancer	line of latitude north of the equator
Tropic of Capricorn	line of latitude south of the equator
climate zone	areas of the earth, demarcated by lines of latitude, divided up based on climate
time zone	a region within which the time is the same
tropical	hot and wet areas around the equator
arid	dry areas found around the tropics of Cancer and Capricorn
Mediterranean	north of Cancer and south Capricorn
temperate	north or south of the Mediterranean
polar	around the North and South Pole
latitude	imaginary line running horizontally
longitude	imaginary line running vertically

