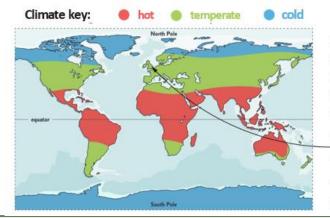
# 9

## Weather and Climate Fieldwork Unit

#### What should children already know?

- Hucknall is in England
- The United Kingdom is made up of four countries: **England**, **Scotland**, **Northern Ireland** and **Wales**.
- The capital of England is London.
- The other capitals of the UK are: **Edinburgh** (Scotland), **Belfast** (Northern Ireland) and **Cardiff** (Wales).
- There are five oceans: Pacific, Atlantic, Indian, Southern, Arctic.
- A continent is a large area of land that is separated from others by water or other natural objects.
- The seven continents: Antarctica, Asia, Australasia, Europe, Africa, North America, South America.

This map shows the different climate zones around the world.



Places in the northern and southern hemispheres can have a similar climate if they are the same distance from the equator

The United Kingdom

The UK has a temperate climate.

#### **Key Vocabulary**

**Weather-** a description of what the conditions are like in a particular place over a short time

Climate- the usual weather over a long period

Climate zones- large areas that have similar climates

**Temperature**-the measure of how hot or cold an area is, measured in degrees Celsius (°C)

Fieldwork is when you go outside and discover things about a place.

Weather Forecast - an informed prediction about what the weather will be

today, tomorrow, this week or next

### Why are there different climate zones?

The Earth is round and **tilted at an angle**, so the Sun's rays **don't fall evenly on the land and oceans**. Places on the equator are the **hottest places** on Earth. They are the **closest to the Sun** and get the most **direct sunshine**.

The Sun shines less directly on the North and South Poles because they are further from the Sun, so they are the coldest places on Earth.





South Pole

rays from the Sun

#### Objectives

- Children will learn the differences between weather and climate.
- Children will identify seasonal and daily weather patterns in the United Kingdom and the location of hot and cold areas of the world in relation to the equator and the North and South Poles.
- Children will use simple fieldwork and observational skills to study the weather conditions on their school grounds.
- Children will collect, record, present and analyse weather data.
- Children will evaluate their fieldwork.

