Climate Zones

Threshold Concepts
Location
Place
Human and Physical
Skills

Summary: The weather changes in different parts of the world. Where there are similar weather patterns this is known as a **climate**. The major factors that influence climate determine the different climate zones. In general, the same type of climate zone will be found at similar latitudes and in similar positions on nearly all continents, both in the Northern and Southern Hemispheres.

Knowledge Areas

Location	Situation	Human features arising from location	Physical features arising from location	Human processes	Physical Processes	Vocabulary	Practical and data collection techniques

Situation	Location
Describe and understand key aspects of climate zones, biomes and vegetation belts. Predict the vegetation types in a particular location based upon knowledge of the climate zone in which it falls.	Locate the main climate zones: polar, sub-polar, temperate, Mediterranean, arid, tropical, equatorial. Use maps, atlases and globes to locate countries and describe features studied.
Human features arising from location Tourism and industry developments as a result of climate. Types of dwelling and structure- architectural features required as a result of climate. Sustainable, re-newable energy production suited to the climate of a given region; solar farms in deserts.	**Physical features arising from location** Deserts Rainforests Mountains
Practical and data collection techniques Use databases to analyse data collected about changes in climate over time in different locations. Use satellite data to compare changes in vegetation overtime- link with changes in climate.	**Vocabulary** Climate Hemisphere Latitude Longitude Biome Vegetation belt Atmosphere Carbon cycle

	Fossil fuel Greenhouse gasses Equator Tropics Poles Deforestation Arid