

Geography

Topic	Why are jungles so wet and deserts so dry?	Year	4
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National Curriculum Objectives

Locational knowledge

- Locate the world's countries, using maps to focus on South America concentrating on their environmental regions, key physical and human characteristics, countries and major cities
- 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

Human and physical geography

Describe and understand key aspects of

- physical geography including climate zones, biomes and the water cycle
- Human geography including types of settlements and land use, and the distribution of natural resources including energy, food, minerals and water

Geographical skills

- Use maps, atlases, globes and digital/ computer mapping to locate countries and describe features studied
- Use the eight points of a compass, four figure grid references, symbols and key to build their knowledge of the United Kingdom and wider world

Prior Learning	Future Learning
<ul style="list-style-type: none"> - Describe and suggest reasons for ways in which the weather changes through the seasons and how people and living things in the United Kingdom can be affected by these changes - Identify and locate hot and cold areas of the world and suggest reasons why the weather isn't the same everywhere in the world - Identify and describe the three main types of climate and where each is found in the world - Recognise and describe how the weather affects what kind of food can be produced by farmers 	<ul style="list-style-type: none"> - Explain in basic terms the main causes of global warming - Empathise with the circumstances of people in different parts of the world already impacted by climate change and evaluate the ways in which they are adapting to changes in the weather - Explain what countries around the world have agreed to do to combat the causes of climate change and reach a judgement about what they, their families and school might do to contribute.

Purpose of the enquiry

Key Concept:

- Reflect upon how climate has such an important influence upon landscapes, plants and animals and human activity on Earth
- Know what a biome is
- Develop understanding of how climate is the main factor determining the distribution of biomes on Earth

Core learning	Possible sources of evidence
<ul style="list-style-type: none"> - Observe, describe and explain in basic terms the pattern of climate in the United Kingdom 	<ul style="list-style-type: none"> - Oral, annotated maps and completed table of data

- **Identify, describe** and begin to offer **reasons** for the distribution of different types of climate around the world
- **Compare and contrast** the temperature and rainfall data in different climate graphs to reach conclusions about the climate in different locations in the world
- **Construct** a climate graph from temperature and rainfall data for their home location and **compare and contrast** this with climate graphs of other locations to reach **conclusions** and **make judgements**
- **Understand** how climate affects both the landscape of different biomes and the plants and animals that can live there
- **Observe, describe and explain** why areas of tropical rainforest such as the Amazon Basin have so much convectional rainfall
- **Describe** the natural environment of the Atacama Desert and **explain** why the city of Arica is the driest inhabited place in the world

- Oral, map interpretation and completed table of data
- Comparison tables, oral
- Climate graph, oral
- Matching of landscapes, plants and animals to different biomes, oral
- Completed convectional rainfall flow diagram
- Photograph and Google Earth interpretation, completed flow diagram

Key Vocabulary

Weather, climate, temperature, political map, temperate, equator, distribution, country, prevailing, wind, ocean, climate graph, key, Tropic of Cancer, Tropic of Capricorn, polar, continental, Mediterranean, tropical, equatorial, drought, annual, season, Northern Hemisphere, Southern Hemisphere, meteorological, average, coniferous, rainforest, savanna, hot desert, environment, landscape, deciduous forest, biome, south America, Amazon basin, humid, convection, condensation, cloud, city, inhabited