Northfield Road Primary School

Geography

Year : 5 Autumn Term		Building blocks of knowledge are an important aspect of our geography provision. Key geographical concepts such as: **location and space, sustainability, movement and human and environment interaction** are explored in each geographical context.

This unit is structured around two enquiries: **Enquiry 1**: How is the climate in the UK different from that in the tropics? **Enquiry 2**: Are all biomes equally fragile?		National Curriculum Locational Knowledge: identify the position and significance of longitude, latitude, Equator, Northern and Southern Hemisphere, The tropics of cancer and Capricorn, Arctic and Antarctic circle, primer/Greenwich meridian and time zones Human and Physical Geography: describe and understand key aspects of physical geography including: climate zones, biomes and vegetation belts, rivers, mountains, volcanoes and earthquakes and the water cycle.

	Learning Objective:	**Key content and suggested lesson ideas**	**Suggested resources**	**Key Vocabulary**	**Focus question**
	Enquiry 1: How is the climate in the UK different from that in the tropics?				
Lesson 1	LO: TO Identify the different lines of latitude and explain how latitude is linked to climate	**What are climate zones How is latitude linked to climate? What do the lines across the Earth mean? How does the shape of the world**	Longitude/Latitude map. (SEE RESOURCES FOLDER) Explanation of latitude PPT (See resources folder)	Latitude Longitude Tropic of Cancer Tropic of Capricorn Equator Degrees	How does the position of a country on Earth affect its climate?

	Key Geographical Concept: location and place	**effect our climate?** Use a globe to show children the invisible lines around the Earth, explain the meaning of longitude and latitude. Explain that **latitude** is the distance you live from the equator and is measured in degrees. Compare the measurements of London and Manaus in Brazil. Manaus is much closer the equator therefore the temperature is much warmer. Discuss the tropics of cancer and Capricorn and		Northern Hemisphere Southern Hemisphere Climate Climate Zone Time Zone Invisibile line Axis	

		show where they are on Earth. Show the countries they pass through, use inflatable globes for children to do this themselves. Children to label the lines of latitude on a world map. Children then to explain in own words how latitude effects the climate of a country.			
Lesson 2	To understand the different types of climate zones and locate them in the world.	Discuss the different types of climate zones. Show children images/videos. Use an atlas to explain the climate zones of a range of countries.	https://www.youtube.com/watch?v=SxwKa5cR3w4 - Video to show children what the different climate zone look like. SEE PPT for teaching points on Climate Zones Worksheet for climate zones in resources folder.	Arid Polar Temperate Tropical Mediterranean Climate Zone Equator Hemispheres	How do climates vary around the world?

		Shade polar and arid regions on a map. Explain how to locate different climate zones on map in relation to the equator.			
Lesson 3	LO: To compare climate data for different locations.	What sort of climate zone is the UK in? How does the temperature in London compare to Manaus? How does the rainfall in London compare to Manaus? Explore differences in climate in temperate and tropical climates by looking at precipitation levels and temperature. Pupils study the temperature graphs for London and Manaus and discuss their similarities and	SEE RESOURCES FOLDER – climate data to analyse and compare.	Temperate Temperature Tropical Precipitation Rainfall	

		differences. Using the information from the graphs, pupils answer the questions. Repeat, using the precipitation graphs and questions.				
Lesson 4	LO: To understand how climate affects vegetation and landscapes.	Explore different vegetation that may grow in different climate zones due to the weather. Example: hot, dry areas would struggle to grow a wide range of vegetation. Children to explain vegetation in each climate zone in books.	https://www.youtube.com/watch?v=oYS2Xo2vsb8 climate and vegetation information sheets – SEE RESOURCES			
	Assessment essay How might the differences in climate in The UK and Manaus affect the landscape	Children to write a comparative essay explaining how vegetation and landscapes differ due to their location in the world. Essay must include geographical vocabulary that has	Working towards: Focus on one climate zone – temperate being the climate zone for the UK.		Greater Depth: Compare three contrasting climate zones.	

	and vegetation of each place?	been taught in the unit so far.			