

Geography Unit Plan Year 5- Autumn 1

Year 5 Aut 1	Concept	Subject Skill (Learning Objective)	Subject Knowledge	Pedagogical Content (how you will teach)
1 Hook Week	Human & Physical Geography	I am learning to understand and describe the main climatic zones of the world.	I know the names and locations of world rivers (Amazon, Mississippi, Nile, Congo, Danube, Ganges, Mekong, Murry, Volga) and mountain ranges (Alps, Himalayas, Rockies, Andes, Atlas, Urals, Zagros). I know where the Equator and The Tropics of Capricorn and Cancer are found.	<p>Where are the climatic zones of the world? Recap on the key lines of latitude. Cloze exercise. Discuss what happens to temperature as you move towards or away from the Equator, Arctic Circle etc (Y2). Working in pairs, chn to write a definition of what weather and climate is. Share examples. Watch the video https://www.youtube.com/watch?v=Ob8zzXjDfc4. Write a definite definition from the information from the video. Which climatic zones were explained? What do you think affects the climate of an area? Show the world map split into climatic zones. Discuss any patterns of where they are located. Use the images and record the main characteristics of each zone.</p> <p>Where are the biomes of the world located? What is a biome? Do they know any different biomes? Share responses. Watch the video https://www.youtube.com/watch?v=lqxNQpajdpQ (an area classified by the species that live there) What affects the location of biomes around the world? How does this link to climate zones? Show the world map split into biomes. Are there any patterns. Use text to create a factfile of biomes the children are interested in.</p> <p>What are the main human and physical features in South America? Recap on what is meant by human and physical features. Give examples. Where in the world is South America? Any facts? Take feedback. Watch the video https://www.youtube.com/watch?v=QzKOlpKWm2c Show a blank outline of South America. Children to label countries and capital cities as well as surrounding oceans, rivers, mountains, rainforest and deserts. Equator and the Tropic of Capricorn</p> <p>How do I get from Nottingham to Manaus? Explain that the children are to plan a journey to Manaus on the River Amazon in order to investigate the Amazon Rainforest. How do you think we will get there? Working in Pairs/sm grps, children to work out the details of the different stages using a combination of Google Maps and travel timetables.</p>
	Human & Physical Geography	I am learning to understand and describe the main biomes of the world.	I know there are different climatic zones and biomes and where they can be found in the world (Polar, continental, coastal, Mediterranean, desert, tropical, equatorial, high mountain). I know how to plan a journey from Nottingham to the Amazon rainforest (Manaus).	
	Locational Knowledge	I am learning key physical and human characteristics of South America.		
	Geographical skills & Fieldwork	I am learning how to use online mapping tools to plan a trip.		
2	Locational Knowledge	I am learning to identify reasons why places around the world have different climatic zones and biomes. I can identify an increasing range of human processes. I can identify the physical and human features that have contributed towards the change and development of a locality.	I know that a tropical rainforest is a hot moist biome. I know that the rainforest has created its own unique environment. I know that through human intervention (deforestation for farming / grazing, palm oil, logging etc) has contributed towards changing the environment.	<p>Why does Nottingham and Manaus have different climatic zones and biomes? Recap from previous lesson, the location of Nottingham and Manaus and plot on world map what can be said about the location of each city. Identify the climatic zone and biome for each city and record. What can affect the difference? https://www.youtube.com/watch?v=M_T11u0_FdQ Welcome to Manaus Using the annual rainfall and temperature graphs, get the children to decide which graph represents each city and reasons why. Sm grps, children to identify key facts for each city in terms of rainfall and temperature before comparing the 2 cities looking for differences.</p> <p>Why does the Amazon Rainforest have its own unique environment? (15 laptops) Watch the video https://www.youtube.com/watch?v=BO4UYhhU-8c https://www.youtube.com/watch?v=blh3Kq9xf_o children to make notes of the different layers and facts about each layer. As a sm group, write own definition from their notes to run alongside cut out sections of the rainforest. Explain which is their personal favourite layer based on what they have discovered. Children research key facts about the rainforest and write up on leaves and stick around the table.</p> <p>How has human intervention changed the environment of the Amazon Rainforest? (15 laptops) Children research to find why the Amazon Rainforest is important record 5 facts. Share. What do the children think should happen to the rainforest? Show image of deforestation. What do the chn think has happened? Why? Introduce the term DEFORESTATION. Why do they think it has happened? Research to find 5 reasons why deforestation is happening. Organise the sorting cards into positives and negatives. In sm grps, chn to order the top 3 for both and give reasons for their first choice.</p> <p>Does everyone think that deforestation has a negative impact on the environment? Logging companies continue to cut down huge parts of the rainforest. Go through the Powerpoint of deforestation and the affects. Children to create a poster to get the important message to others about what can be done to help protect the rainforests.</p>
	Locational Knowledge			
	Human & Physical Geography			
	Human & Physical Geography			

Vocabulary:

Prime Meridian, Greenwich Meridian, Time Zone, Country, Region, Physical, Human, Continent, Erosion, Deposition, Environment, Sustain, Tropic of Cancer, Tropic of Capricorn, Climate, Biome, Polar, Tropical, Equatorial, Temperate, Manage, Water cycle, Amazon Rainforest, Bank, Basin, Channel, Confluence, Deforestation, Delta, Estuary, Floodplain, Gradient, Gravity, Human Activity, Lake, Meander, Mouth, South America, Stream, Tributary, Tropical Rainforest, Valley, Waterfall



Resources:

Blank world map with rivers and mountains drawn on to name, A physical world map showing equator tropics rivers and mountain ranges, maps showing world climatic zones and world biomes, images representing the different climatic zones and biomes to annotate the maps, Youtube clip of the Amazon Rainforest, Travel details from Nottingham to a major airport in England, Flight details to Manaus, Images of the different parts of a river, diagram to label with the different parts of a river, images of both the Amazon River and The River Trent which demonstrate the different features, Reasons why settlements are situated next to rivers, Youtube clip on deforestation in the Amazon Rainforest, opinions from different sides of the argument