

## Are all rainforests tropical? – Year 5



### Prior Learning

Y5 – Rivers, links to deforestation in writing (Rang-tan)

Y4 – Mountains, volcanoes and earthquakes, equator, longitude, latitude, hemispheres, tropics

Y3 – The Arctic, capital cities, desert biomes, 8 compass points

KS1 – name and locate continents, locate and identify 4 countries of UK, 4 compass directions

<u>Key question and NC objective</u>		<u>Knowledge to be taught</u>
<p><b>L1</b></p> <p><b>What is a biome? What types of rainforest biomes are there and what are their features?</b></p> <p>Human and Physical Geography: Pupils should be taught to describe and understand key aspects of:</p> <ul style="list-style-type: none"> <li>- physical geography, including: climate zones and biomes</li> </ul>	<ul style="list-style-type: none"> <li>• Retrieval – Where is the equator? What are lines of longitude and latitude? What is precipitation? Which biome did you study in Year 4 and what do you remember about it?</li> <li>• To understand what a biome is (5 main types: aquatic, grassland, forest, desert, and tundra. Can be classified in different ways).</li> <li>• To know that there are different types of rainforest biomes.</li> <li>• To recognise the features of a rainforest biome.</li> </ul>	
<p><b>L2</b></p> <p><b><u>LO: understand what climate zones and vegetation belts are.</u></b></p> <p><b>What are climate zones and vegetation belts?</b></p> <p>Human and Physical Geography: Pupils should be taught to describe and understand key aspects of:</p> <ul style="list-style-type: none"> <li>- physical geography, including: climate zones and biomes</li> </ul>	<ul style="list-style-type: none"> <li>• Retrieve knowledge of biomes</li> <li>• Look at a basic map of key climate zones – tropical, dry, continental and temperate, polar.</li> <li>• Cover key definitions of biomes, climate zones and vegetation belts and discuss their links.</li> <li>• Complete a task that provides opportunities to demonstrate understanding of the features, vegetation and location of each key climate zone.</li> </ul>	
<p><b>L3</b></p> <p><b><u>LO: locate rainforests in the UK and describe their features.</u></b></p> <p><b>Did you know there are rainforests in the UK? Where are they located and what are their features?</b></p>	<ul style="list-style-type: none"> <li>• Retrieve knowledge of biomes including key features of the rainforest biome.</li> <li>• To identify where temperate rainforests are located on a world map.</li> <li>• To form a generalisation of where temperate rainforests can be found (use equator, longitude and latitude).</li> </ul>	

	<p><b>Locational knowledge:</b> • name and locate counties and cities of the United Kingdom, geographical regions and their identifying human and physical characteristics, key topographical features (including hills, mountains, coasts and rivers), and land-use patterns; and understand how some of these aspects have changed over time;</p>	<ul style="list-style-type: none"> <li>• To understand the features of a temperate rainforest.</li> <li>• To map out temperate rainforests in the UK.</li> </ul>
<p><b>L4</b></p>	<p><b><u>LO: locate the world's tropical rainforests and describe their features.</u></b></p> <p><b>Where are the tropical rainforests in the world? What are the features of a tropical rainforest?</b></p> <p><b>Locational knowledge:</b> • locate the world's countries, using maps to focus on Europe (including the location of Russia) and North and South America, concentrating on their environmental regions, key physical and human characteristics, countries, and major cities;</p>	<ul style="list-style-type: none"> <li>• Retrieval - rainforest biome. Features of a temperate rainforest. Location of temperate rainforests in UK.</li> <li>• To map out where tropical rainforests are located on a world map</li> <li>• To form a generalisation of where tropical rainforests can be found (use equator, longitude and latitude)</li> <li>• To understand the features of a tropical rainforest – 4 layers (forest floor, understory, canopy, emergent layer), flora, fauna, climate</li> </ul>
<p><b>L5</b></p>	<p><b><u>LO: compare rainforest biomes.</u></b></p> <p><b>How does the geography of tropical and temperate rainforests compare?</b></p> <p><b>Human and Physical Geography</b> Pupils should be taught to describe and understand key aspects of:</p> <ul style="list-style-type: none"> <li>- physical geography, including: climate zones and biomes</li> </ul> <p>To understand geographical similarities and differences through</p>	<ul style="list-style-type: none"> <li>• Retrieval – layers of tropical rainforests, climate, name and location of largest rainforest in South America.</li> <li>• Chance to consolidate understanding of the 2 different types of rainforests studied and draw comparisons between the two – build on prior knowledge of rainforests.</li> <li>• Children could present their findings in a way of their choice – table, Newsround episode/non-fiction page etc.</li> </ul>

	the study of human and physical geography of a region of the United Kingdom, a region in a European country, and a region within North or South America.	
L6	<p><b><u>LO: explain the causes and impact of deforestation.</u></b></p> <p><b>What is deforestation, why does it happen and what is the impact?</b></p> <p>Human and Physical Geography - human geography, including: types of settlement and land use, economic activity including trade links, and the distribution of natural resources including energy, food, minerals and water.</p>	<ul style="list-style-type: none"> <li>• To understand what deforestation is</li> <li>• To understand the impact deforestation has on human and physical geography</li> <li>• To show an awareness of why deforestation happens</li> <li>• To debate the pros and cons of deforestation</li> <li>• Show an understanding of what can be done to reduce deforestation.</li> </ul>
<ul style="list-style-type: none"> <li>• Assessment: end of unit quiz and assessment grid</li> </ul>		
	<b>Vocabulary</b>	
Tier 1	layers, temperature, rainfall, forest floor, rainforest, desert, grassland	
Tier 2	tropical, climate, scale, tribes, canopy, precipitation, evergreen, landscapes, fertile	
Tier 3	temperate, biome, flora, fauna, deforestation, biodiversity, endangered, ecosystem, longitude, latitude, equator, hemisphere, understory, emergent, deciduous, taiga, aquatic, tundra, global warming, climate change, lichen, humidity	