

**Title of Rubric: The Rainforest**

<p><b>Subject curriculum intent:</b></p>	<p>Pupils will have the opportunity to explore the geographical features of rainforests, study the unique flora and fauna that inhabit these ecosystems, and investigate the impact of human activities on deforestation and biodiversity loss. Through collaborative projects, field trips (where feasible), and real-life case studies, pupils will be encouraged to critically analyse and reflect on the interconnections between human actions and the environment.</p>				
<p><b>End of KS3 intent/outcome</b>                  Pupils should develop an awareness of the rainforest. They should know where rainforests are situated - identifying rainforests around the world. Pupils will recognise the importance of rainforests and be able to describe the biodiversity of rainforests.                  Pupils will be able to identify animals and their habitats within the rainforest                  Through engaging with real-world challenges and issues related to rainforest conservation, pupils will develop essential skills such as critical thinking, collaboration, communication, and empathy. This will not only enhance their academic achievement but also equip them with the tools and mindset needed to address the pressing environmental challenges of the 21st century.</p>		<p><b>End of KS4 intent/outcome</b></p>		<p><b>End of KS5 intent/outcome</b></p>	
<p>Intent for this topic:</p>	<p>Pupils are to have an understanding of rainforests, habitats</p>				
<p><b>Core vocabulary needed for this subject/topic:</b></p>	<p>Rainforest, tropical, heat, names of animals, South America</p>				
<p><b>Vocabulary pupils will have accessed in other topics or subject areas:</b></p>	<p>Plants, insects, different types of weather</p>				
<p>Key vocabulary taught within this topic:</p>	<p>Rainforest, warm, hot, dense, animals, habitats, trees, growth, plants, insects, South America, Aisa, Africa, emergent layer, canopy, understory, forest floor, sunlight, water, tropical</p>				
<p><b>Prior knowledge: what pupils may already have studied</b></p>					
<p>Key stage</p>	<p>Subject</p>	<p>Topic title</p>	<p>Term/year taught</p>	<p>Content/What might pupils already know?</p>	

3	Science (Biology)	Living things and their environment	Autumn 1 Year 3 of curriculum	Where animals may live, how they survive
3	Science (Biology)	Why are plants important?	Autumn 1 Year 2 of curriculum	The growth cycle and importance of plants/trees
Links to other subjects: Understanding the world – animals.				

## Rainforest

Key themes:

RRS Articles: Article 13-I have the right to find and share information.

	B2 P step 5-6	B2 P step 7-8	B2 Step 1
<b>Key learning: Rainforest</b>			
<b>Subject specific knowledge</b>	<p>Identify what a rain forest looks like from a choice of 2-3. Understands that a rainforest has trees and wildlife in.</p> <p>Use key words/symbols - hot, wet, rain to describe the climate of a rainforest. Pupils can use single words</p>	<p>Identify pictures of places where tropical rainforests would be found from choice</p> <p>Pupils understand what the climate is like in rainforest.</p> <p>Pupils understand that the rainforest is different to a town or city.</p> <p>Uses key words to describe an image of a rainforest</p>	<p>Can accurately locate and name rainforests on a map, including less well-known ones. Provides a comprehensive description of the multilayer structure and diverse climate, with examples.</p> <p>Articulates detailed significance of rainforests in maintaining global biodiversity and weather patterns.</p> <p>Explains a range of causes for deforestation and articulates the extensive environmental and social effects.</p>
<b>Subject specific skills</b>	<p>Pupils can choose up to 3 pictures from a choice showing cause and effect of deforestation; people cutting trees down, animals losing their homes, tribal people losing their homes.</p>	<p>Pupils can choose up to 3 pictures from a choice showing cause and effect of deforestation; people cutting trees down, animals losing their homes, tribal people losing their homes.</p>	<p>To understand how the rainforest has changed over time (endangered species, deforestation) Using symbols, sequence the symbols representing; Emergent, canopy, understory &amp; forest floor.</p>

	Can identify animals that live in the rainforest	Using symbols can sequence images representing 3 key areas of the rainforest.  Pupils can identify layers of the rainforest and animals and plants that live at each layer	
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<b>Personal development</b>	<p>Team work - working together as a team.</p> <p>Problem solving - solving problems.</p> <p>Communication skills - using voice, signs to communicate facts and opinions.</p> <p>Self-management.</p> <p>Self-belief.</p> <p>Respect.</p> <p>Self-awareness.</p> <p>IT skills.</p>
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**Suggested activities**

**Virtual Rainforest Scavenger Hunt - pupils to find animals around the classroom/school**

**Sorting rainforest animals from domestic/farm animals**

**DIY Rainforest Terrarium - Objective: To understand the layers of the rainforest.**

**Activity: Guide students in creating a mini rainforest terrarium using soil, plants, and small figurines to represent different layers of the rainforest ecosystem**

**THERE ARE 3 PROGRAMMES ON IPADS WHICH LETS YOU EXPLORE THE RAINFORESTS ACROSS THE WORLD AND LISTEN TO SOUNDS**

**Online resources**

**[http://www.bbc.co.uk/nature/habitats/Tropical and subtropical moist broadleaf forests#p0039zg5](http://www.bbc.co.uk/nature/habitats/Tropical%20and%20subtropical%20moist%20broadleaf%20forests#p0039zg5)**

**<http://www.bbc.co.uk/learningzone/clips/postcard-from-the-amazon-rainforest/12489.html>**

**<http://www.bbc.co.uk/learningzone/clips/family-life-in-the-amazon-jungle/12561.html>**

**[http://www.bbc.co.uk/nature/habitats/Tropical and subtropical moist broadleaf forests#p004856w](http://www.bbc.co.uk/nature/habitats/Tropical%20and%20subtropical%20moist%20broadleaf%20forests#p004856w)**

**<http://www.bbc.co.uk/learningzone/clips/rainforest-structure-layering/3092.html>**

**<http://www.bbc.co.uk/learningzone/clips/animals-and-birds-of-the-amazon-rainforest/8993.html>**

**<http://www.bbc.co.uk/learningzone/clips/green-plants-and-animals-in-the-rainforest/12677.html>**

**<http://www.bbc.co.uk/learningzone/clips/rainforest-destruction-kalimantan-indonesia-and-costa-rica/3096.html>**

**<http://www.bbc.co.uk/learningzone/clips/rainforest-sustainability-costa-rica/3097.html>**

<http://www.bbc.co.uk/learningzone/clips/sustainable-forestry-using-animal-power/11966.html>

<http://www.epa.gov/climatechange/kids/>

**Evidencing Work**

Work sheets

Pictures

PowerPoints

Research