

**Curriculum Overview for Year 4 - 'Rainforests and Extreme Earth' Summer 2019**

<p align="center"><b>Mathematics</b></p> <p><b>Four Rules</b></p> <ul style="list-style-type: none"> <li>U and TU X/÷ by 10, 100 and 1000</li> </ul> <p><b>Fractions</b></p> <ul style="list-style-type: none"> <li>Recognise and show common equivalent fractions</li> <li>Count up and down in 100ths and 10ths</li> <li>+/- fractions with same denominator</li> <li>Fractions of amounts</li> <li>Recognise and write decimal equivalents (10ths and 100ths)</li> <li>Equivalents in decimals for 1/2, 1/4, 3/4</li> <li>Solve simple measure and money problems involving fractions and decimals.</li> </ul> <p><b>Time</b></p> <ul style="list-style-type: none"> <li>Read, write and convert between times, analogue-digital, 12-24hr</li> <li>Solve problems involving time (hours and weeks)</li> </ul> <p><b>Measures</b></p> <ul style="list-style-type: none"> <li>Measure and calculate perimeter of a rectilinear figure in cm and m</li> <li>Convert between different measures (mm,cm,m,km / ml,l / hours,mins)</li> <li>Read roman numerals to 100 (knowing how it changed to include 0 and place value)</li> </ul> <p><b>Shape</b></p> <ul style="list-style-type: none"> <li>Describe positions on a 2d grid as coordinates</li> </ul> 	<p><b>Art</b></p> <ul style="list-style-type: none"> <li>To explore and recreate Hokusai's 'Great Wave'</li> <li>To use colour, line and shading to create artistic tornadoes</li> <li>To be able to create a clay sculpture of an animal that lives in extreme conditions</li> </ul> 	<p><b>Computing</b></p> <ul style="list-style-type: none"> <li>Shaping the Digital World</li> <li>Communicating in the Digital World</li> <li>E-Safety</li> <li>Exploring the Digital World</li> </ul> 
<p align="center"><b>English</b></p> <p><b>Poetry</b></p> <ul style="list-style-type: none"> <li>Poems based on the sounds and life in the rainforest</li> <li>Use videos and music to create a poem on Rainforest life</li> <li>Poems on conservation</li> <li>Leaf poetry (Vanishing Rainforest – figurative language)</li> </ul> <p><b>Spoken Language</b></p> <ul style="list-style-type: none"> <li>Listen and respond appropriately.</li> <li>Ask and answer questions</li> <li>Support ideas/opinions with evidence</li> </ul> <p><b>Fiction</b></p> <ul style="list-style-type: none"> <li><u>The Vanishing Rainforest</u> <ul style="list-style-type: none"> <li>Social issues (deforestation)</li> <li>Animal and tribes</li> </ul> </li> </ul> <p><b>Non-Fiction</b></p> <ul style="list-style-type: none"> <li><u>The Great Kapok Tree</u></li> </ul> <p><b>Persuasion</b> write a letter to the woodcutter in the story to stop him cutting down the trees.</p> <ul style="list-style-type: none"> <li><b>Discussion (Debates)</b> Link to Rainforest and Extreme Earth</li> </ul> <p><b>Reading – Word Reading/Comprehension</b></p> <ul style="list-style-type: none"> <li><b>Guided Reading</b> – a variety of topics</li> <li><b>Comprehension</b> Variety of texts. Respond to questions using evidence to support answers.</li> </ul> <p><b>Writing – GPS</b></p> <ul style="list-style-type: none"> <li>Fronted adverbials</li> <li>Sub-ordinate clauses</li> <li>Expanded noun phrases</li> <li>Punctuation in inverted commas</li> </ul> <p><b>Writing – Transcription</b></p> <ul style="list-style-type: none"> <li>Use prefixes and suffixes.</li> <li>Spell further homophones and words that are often misspelt.</li> <li>Use the possessive apostrophe accurately in words.</li> <li>Use the first two/three letters of a word to check its spelling in a dictionary.</li> </ul> <p><b>Handwriting</b></p> <ul style="list-style-type: none"> <li>Use the Cursive style of handwriting.</li> </ul>	<p><b>Design &amp; Technology</b></p> <p><b>We're roaming in the rainforest (BOOK)</b></p> <ul style="list-style-type: none"> <li>Rainforest Dioramas (3D models)             <ul style="list-style-type: none"> <li>Apply layers knowledge</li> <li>Research plants and animals</li> <li>Use a range of materials</li> <li>Work collaboratively</li> </ul> </li> </ul> 	<p><b>PSHE</b></p> <ul style="list-style-type: none"> <li><b>Rainforests and Debates.</b> Listening to and responding appropriately to other people's views.</li> <li><b>Extreme Earth</b> To explore how people around the world respond to natural disasters</li> <li><b>Moving on to Year 5</b> - Growing up/Moving to Year 5/Making new friends (changing classes).</li> </ul>
<p><b>Science</b></p> <p><b>Living Things</b></p> <ul style="list-style-type: none"> <li>Identify and name (plants and animals) a variety of living things in the local and wider environment, using classification keys to assign them to groups.</li> <li>Recognise that living things can be grouped in a variety of ways.</li> <li>Recognise that environments can change and that this can sometimes pose dangers to living things.</li> <li>Identify the part played by evaporation and condensation in the water cycle and associate the rate of evaporation with temperature.</li> </ul> <p><b>Food Chains</b></p> <ul style="list-style-type: none"> <li>Describe the simple functions of the basic parts of the digestive system in humans</li> <li>Identify the different types of teeth in humans and compare these to animals</li> <li>Construct and interpret a variety of food chains, identifying producers, predators and prey.</li> </ul>	<p><b>Geography</b></p> <p><b>Rainforests:</b></p> <ul style="list-style-type: none"> <li>Where in the world?</li> <li>The Four Layers</li> <li>Animals, birds and plants</li> <li>Tribes</li> <li>Deforestation</li> <li>Modern explorers</li> </ul>  <p><b>Extreme Earth</b></p> <p>To find out about the Earth's climate and areas of extreme temperatures</p> <ul style="list-style-type: none"> <li>To find out about the water cycle and the distribution of water across the world</li> <li>To find out about extreme weather conditions across the world</li> <li>To find out about earthquakes and what causes them</li> <li>To find out about tsunamis and how they are caused</li> <li>Explore what volcanoes are and how they're formed</li> </ul>	<p><b>French</b></p> <ul style="list-style-type: none"> <li>Present ideas and information orally to a range of audiences</li> <li>Children write one or two short sentences and fill in the words on a simple form</li> <li>Presentations based on year's topics</li> </ul> 
	<p><b>Physical Education</b></p> <p><b>Athletics</b></p> <ul style="list-style-type: none"> <li>Running for speed and distance</li> <li>Throwing techniques</li> <li>Jumping – high and long</li> <li>Sprint and relay</li> <li>Throwing for distance and accuracy</li> </ul> <p><b>Games Striking and Fielding</b></p> <ul style="list-style-type: none"> <li>Throwing a ball and receiving it in different directions</li> <li>Striking a ball with accuracy</li> <li>Holding a range of bats with control</li> <li>Using tactics and playing small sided games</li> </ul>	<p><b>Music</b></p> <p><b>Recorders Singing</b></p> <ul style="list-style-type: none"> <li>To listen with attention to detail.</li> <li>To perform in solo and ensemble contexts developing understanding of performance techniques.</li> <li>To sing confidently with increasing accuracy, fluency, control and expression.</li> </ul> <p><b>Composition</b></p> <ul style="list-style-type: none"> <li>To be able to use percussion to create a storm composition</li> <li>To be able to compose a piece of music to portray a natural disaster</li> </ul>
		<p><b>Religious Education</b></p> <p><b>Muhammad and the Qur'an</b></p> <p>Covering the revelation of the Qur'an and why the Qur'an is a special book for Muslims</p> <p><b>The Mosque and Prayer</b></p> <p>Covering how Muhammad set up the first mosque, the importance to Muslims of the mosque today and the duty to pray five times a day.</p>

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