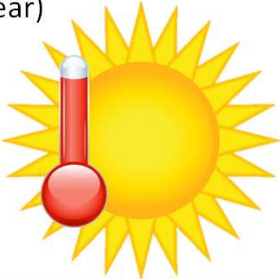




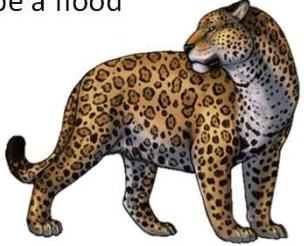



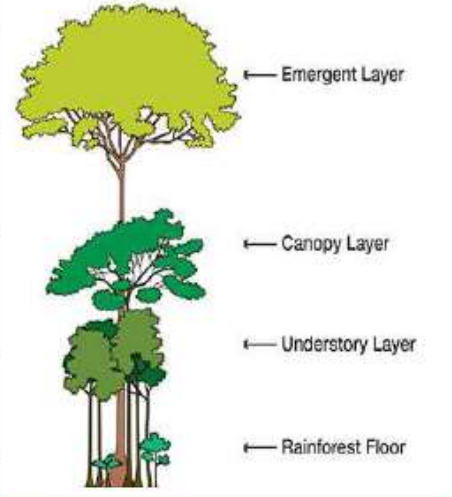
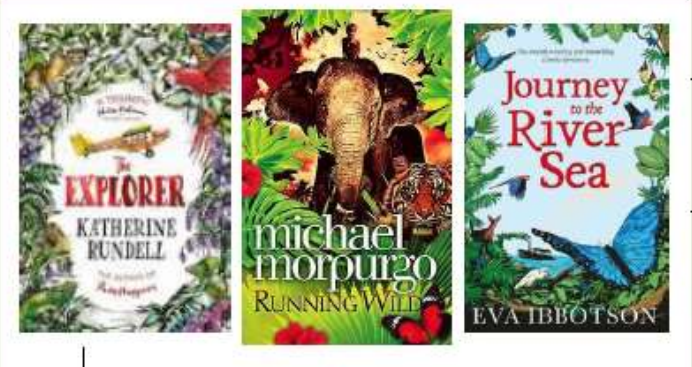


# KNOWLEDGE ORGANISER

## What Lies Beneath the Canopy

Climate	Plants	Animals
<ul style="list-style-type: none"> <li>Hot (20-28°C)</li> <li>Sun is overhead all year round so there is no seasonal variation.</li> <li>Wet (2000mm per year)</li> <li>Rainfall every day.</li> </ul> 	<p>Trees grow tall in search of light. Most trees grow to 30 metres tall! They have large, shallow roots to support the trunk and to absorb nutrients from the thin leaf layer. Trees have thin, smooth bark because they do not need to be kept warm and water can run off easily. Their leaves are thick and waxy, which repel water.</p>  <p>Some plants on the <b>forest floor</b> hardly receive any sunlight and adapt to these conditions. The forest floor may flood for several months each year, so plants may adapt to survive this too.</p>	<p>Hundreds of different species of monkeys, snakes and birds, and thousands of insect species live in the tropical rainforest. Lots of animals have adapted to live in their environment:</p> <ul style="list-style-type: none"> <li>strong limbs for climbing and leaping</li> </ul> 
<h3>Water</h3>		
<ul style="list-style-type: none"> <li>The roots of plants take up water from the ground.</li> <li>Rain is intercepted as it falls - much of it at the canopy level, this will evaporate as it heats up to form further rainfall.</li> </ul> 	<h3>What food and products are grown in the rainforest?</h3> <p><b>CHOCOLATE</b>- Did you know that your favourite chocolate originates from the cacao plant?  <b>SHAMPOO</b>- You can thank the Amazon for your luscious locks!  <b>VANILLA SEED PODS</b>- Vanilla is used in lots of our favourite foods and cosmetics!  <b>AVOCADO AND BANANAS</b>- Most of us won't have visited a rainforest but a large part of our diet either originates from or is grown there!</p>	<ul style="list-style-type: none"> <li>camouflaged to hide from predators</li> </ul>  <ul style="list-style-type: none"> <li>Many can swim, allowing them to cross rivers or escape a flood</li> </ul> 

# Rainforests Year 5 Knowledge Organiser

Geography	Subject Specific Vocabulary		Layers of a Rainforest
 <p>Tropical Rainforests of the world</p>	<b>Deforestation</b>	The cutting, clearing and removal of a large area of trees.	<p style="text-align: center;"><b>Rainforest Layers</b></p>  <p>← Emergent Layer</p> <p>← Canopy Layer</p> <p>← Understory Layer</p> <p>← Rainforest Floor</p>
	<b>Ecosystem</b>	A community of plants and animals that depend on each other to survive.	
	<b>Endangered</b>	A species that has been categorised as very likely to become extinct.	
	<b>Extinction</b>	The extinction of a species of animal or plant is the death of all its remaining living members	
<h2 style="text-align: center;">Deforestation</h2>	<b>Indigenous</b>	Indigenous people or things belong to country in which they are found.	
<p><b>Causes of Deforestation</b></p> <ul style="list-style-type: none"> <li>• To clear space for farming</li> <li>• Chopping down trees for wood</li> <li>• To build roads to mine for metals, gold and diamonds</li> <li>• To dig for oil</li> <li>• To flood areas to make dams and generate electricity</li> </ul> <p><b>Impact of Deforestation</b></p> <ul style="list-style-type: none"> <li>• Half of the tropical rainforests we had have now gone</li> <li>• 28,000 species of animal are expected to become extinct the next 25 years</li> <li>• Local people are forced to move home</li> <li>• Levels of oxygen in the air are decreasing whilst carbon dioxide are increasing</li> </ul>	<b>Biodiversity</b>	Variety of plant and animal life in a particular habitat, a high level of which is usually considered to be important.	
	<h2 style="text-align: center;">Exciting Books</h2>		
			<p><b>Emergent layer</b> -- the tops of trees that poke up above the rainforest canopy. It is very sunny here and is home to birds, butterflies and bats.</p>
	<p><b>Canopy layer</b> – a dense layer of trees overlapping each other. Home to most animals in rainforests.</p>		
<p><b>Understorey layer</b> -- a tangle of shrubs, young trees and vines. It is hot and damp here and the air is very still.</p>			
<p><b>Rainforest Floor</b> – mainly consisting of fallen leaves, fruit etc. that decomposes as food for trees.</p>			