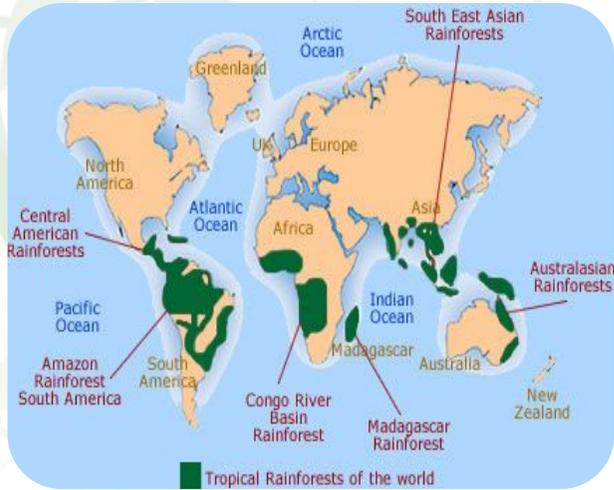


## Rainforests

Rainforests are found near to the equator. They can be found in every continent except Antarctica. They are located in countries such as Brazil, India, Peru, Mexico, Australia and Malaysia.



## Significant People and Tribes

Francisco de Orellana	Born around 1490. He was the first person to navigate the entire Amazon River
Mbuti Tribe	A community indigenous to the Ituri rainforest in Central Africa.
Ed Stafford	Holds the Guinness World Record for being the first human ever to walk the length of the Amazon River.

Deforestation is the cutting of trees to create fields for farming cattle and growing crops, to produce timber and wood pulp to make furniture and paper.

### Positive Impact

- Jobs are created in logging and transporting timber and manufacturing products.
- Selling land raises money for local people

### Negative Impact

- People's homes are destroyed.
- Animals and plants may become extinct through habitat loss.
- Plants that may have been useful could be lost.

Y3/4 Autumn Term 2021-2022

## Into the Forest

How are humans affecting habitats?

Word	Definition
climate	The average weather conditions over a long period of time.
deforestation	The cutting down and clearing of forests.
equator	An imaginary circle running round the centre of the earth.
humid	Feeling very damp due to water vapour in the air.
natives tribes	The original settlers of an area.
species	A group of similar animals or plants
weather	The specific condition on a given day.

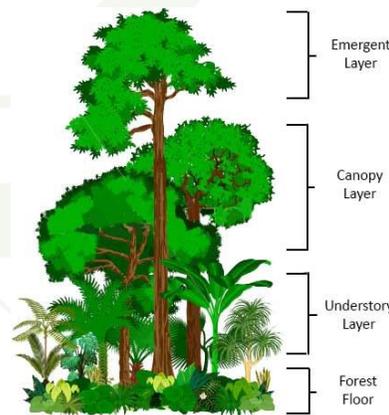
## Layers of Rainforest

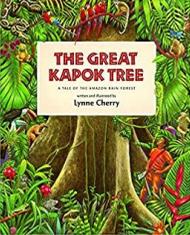
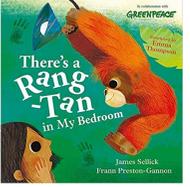
**Emergent layers** - trees can be up to 60m tall. They receive a lot of sunlight. Key animals found in this area- birds, bats, monkeys and butterflies.

**Canopy Layer** - trees from a roof over the plants below. Lots of sunlight and plenty of rain. Key animals found in this area - snakes, toucans and tree frogs.

**Understory layer** - trees grow to less than 4m tall. There is very little sunlight. Lots of insects in this area.

**Forest Floor** - very few plants in this area and there is almost no sunlight. Animals found in this area - gorillas, anteaters, leopards and tigers.



<p><b>Literacy</b>  <b>Descriptive writing</b>  Setting description  <b>Instructions</b>  How to survive in the Rainforest  <b>Non chronological report</b>  Rainforest report. Animals or Rainforests  <b>Poetry - Cinquain</b></p> <p><u>Half Term</u>  <b>Narrative</b>  Talk for writing. Great Kapok Tree alternate endings.  <b>Explanation Text</b>  Explanation of the water Cycle  <b>Persuasion/Letter writing</b>  Letters to local businesses about Palm Oil.</p>	<p><b>Maths - White Rose Maths</b>  <u>Place Value</u>  Representing numbers to 1000. Partitioning to 100s, 10s &amp; 1s.  Rounding to nearest 10,100 and 1000. Counting in 1000s, 100s, 10s, 1s. Ordering numbers to 1000. Ordering numbers to 10,000.  Roman Numerals to 100.  <u>Addition and Subtraction</u>  Subtract 2 four digit numbers - one and more than one exchanges.  Add 2 four digit numbers - one and more exchanges.  <u>Length &amp; perimeter</u>  <u>Multiplication and Division (including times tables focus)</u>  Divide and multiply by 10 and 100. Multiply and divide using formal methods.  <b>Topic Maths</b>  Data Collection - Rainfall, temperature.  Links to zoos- costing, animal types, area/perimeter  Symmetry - Butterflies. Rain gauge linked to science.</p>	<p><b>Geography</b>  Map work - Reading and interpreting a map - links to orienteering.  Local and national woodlands. Visiting woodland. Identifying types of trees. Linked to Science, habitats for living things.</p> <p><b>Rainforests</b>  Layers of the rainforest  Rainforest locations  Animals of the rainforest  Differences in climate  Deforestation- Science and P4C links  “Why do humans destroy forests?”</p>
<p><b>Computing</b>  <b>E-Safety</b>  Recognise social networking sites and social networking features built into other things (such as online games and handheld games consoles).</p> <p><b>Digital Literacy</b>  Comic Life - Layers of the rainforest.  Photography - Digital collages, saturation, layering.</p> <p><b>Computer Science</b>  Scratch - Rainforest Animation</p> <p><b>Music</b>  Music Service</p>	<p style="text-align: center;"><b>Big Question</b>  How are humans affecting habitats?  <b>Into the Forest</b></p> <p style="text-align: center;">Visit: Butterfly House  Local Visit: Clifton Park / Other Habitats  <b>NEMESIS:</b> School Specific. Links to wildlife and conservation.</p> <div style="display: flex; justify-content: space-around; align-items: center;">    </div>	<p><b>Science</b>  <b>Living Things and Their Habitats</b></p> <ul style="list-style-type: none"> <li>recognise that living things can be grouped in a variety of ways - <i>Venn diagrams, classification of animals - links to the pond area.</i></li> <li>explore and use classification keys to help group, identify and name a variety of living things in their local and wider environment</li> <li>recognise that environments can change and that this can sometimes pose dangers to living things - <i>Deforestation.</i></li> </ul> <p><b>States of Matter (The Water Cycle)</b></p> <ul style="list-style-type: none"> <li>compare and group materials together, according to whether they are solids, liquids or gases</li> <li>observe that some materials change state when they are heated or cooled, and measure or research the temperature at which this happens in degrees Celsius (°C)</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>Art &amp; Design</b>  Sculptures with Natural Resources - Making Patterns  Artist: Andy Goldsworthy  Pastels - Rainforest leaves</p> <p>Pen &amp; ink - Stippling, hatching, cross hatching.  Textiles/Sewing - Tree Embroidery/weaving/printing/ butterflies  Artist: Ruth Issett</p> <p><b>DT/STEM</b>  Designing and creating Bug Hotels  Design and create Bird Houses/Bird Feeders  Create a rain gauge - links to maths capacity and science rainfall.</p>	<p><b>PSHCE/RHE</b>  What makes a good friend? Making and maintaining friendships.  Healthy lunchboxes and having a balanced diets  Knowing choices have consequences and impact others.  Keeping ourselves healthy</p> <p><b>P4C</b>  Deforestation / Palm Oil- link to the Iceland Advert 'There's a rangtang in my bedroom'</p> <p><b>PE</b>  Football  Fitness  Hockey  Gymnastics</p>	<p><b>MFL</b>  Animals - Ou est ma maman? Book  Animals of the rainforest</p> <p>Family members</p> <p><b>RE</b>  Questions and Answers on Life's Journey  What makes Jesus inspirational for some people?  Christian and Hindus questions on life's journey</p>