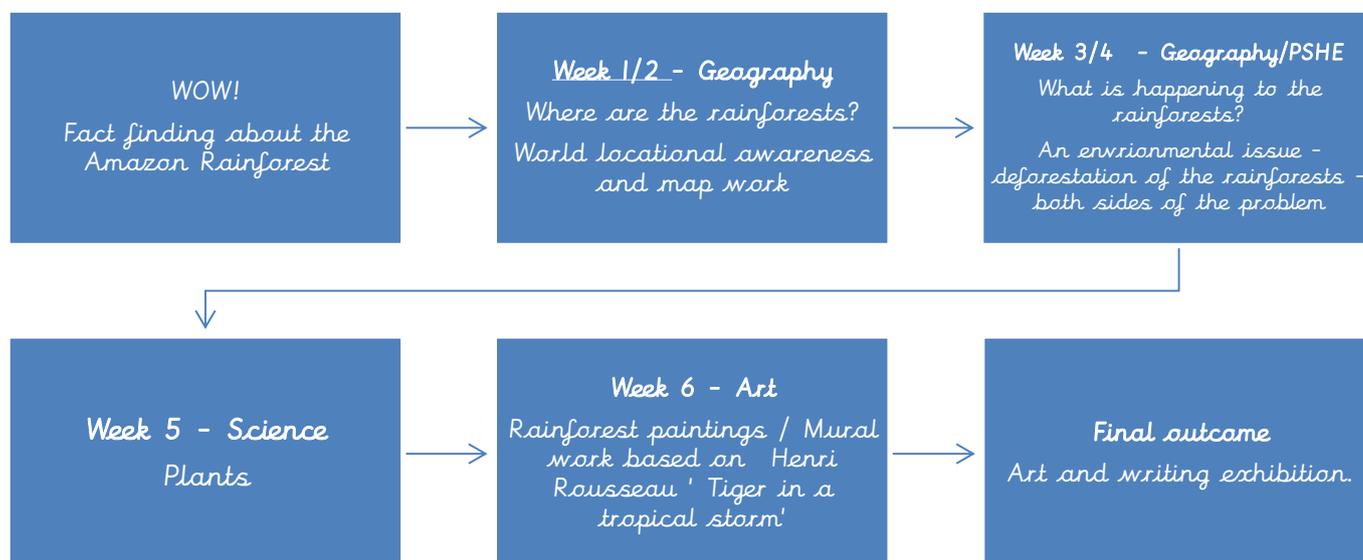


Year 3/4 Geography / Science Based topic - The Amazing Amazon! (6 weeks)

Topic overview - Children will learn about the location and climate of rainforests in the world, using atlases to develop their understanding of the world (ie. equator, hemispheres, continents and countries). They will learn about the structure of rainforests and plants and animals which live within them and how these are threatened by deforestation. They will also look at plant growth in general in the science focus weeks. They will produce a rainforest painting based on the work on Henri Rousseau showing their own rainforest scene using his techniques and style.



<u>Art skills</u>	<u>Geography skills</u>
<ul style="list-style-type: none"> • Develop ideas from different starting points. • Replicate some of the techniques used by notable artists, (<i>Henri Rousseau</i>) • Create original pieces that are influenced by studies of others. • Develop drawing skills. • Use a number of brush techniques using thick and thin brushes to produce shapes, textures, patterns and lines. • Mix colours effectively. • Use watercolour paint to produce washes for backgrounds then add detail. • Experiment with creating mood with colour. <p><u>Vocabulary:</u></p> <ul style="list-style-type: none"> • sketching • line • shape • form <p>Previous Knowledge: Painting local area (Lowri)</p>	<ul style="list-style-type: none"> • Use digital/computer mapping to locate countries and describe features. • Identify the position and significance of latitude, longitude, Equator, Northern Hemisphere, Southern Hemisphere, the Tropics of Cancer and Capricorn, Arctic and Antarctic Circle, the Prime/Greenwich Meridian and time zones (including day and night). • Describe some of the characteristics of rainforests. • Describe the physical geography of an area, including: climate zones, biomes and vegetation belts. • Describe how locations around the world are changing. <p><u>Vocabulary:</u></p> <ul style="list-style-type: none"> • latitude, longitude, Equator, Northern Hemisphere, Southern Hemisphere, the Tropics of Cancer and Capricorn, Arctic and Antarctic Circle, the Prime/Greenwich Meridian and time zones • climate zones, biomes and vegetation belts. <p>Previous Knowledge: Locational Geography (capital cities) - Street Detectives and Great & Ghastly events Maps and atlases (continents and 5 oceans) - Polar explorers</p> <p>Previous Vocabulary: 4-point compass, Equator, Northern Hemisphere, Southern Hemisphere, Arctic and Antarctic Circle</p>

<u>Working scientifically skills</u>	<u>Science knowledge for this unit</u>
<ul style="list-style-type: none"> • Ask relevant questions. • Set up simple practical enquiries and comparative and fair tests. • Make accurate measurements using standard units. • Gather, record, classify and present data in a variety of ways to help in answering questions. • Use straightforward, scientific evidence to answer questions or to support their findings. • I suggest how I can make improvements to my work. <p><u>Vocabulary:</u></p> <ul style="list-style-type: none"> • enquiry • fair test • record • gather • classify 	<ul style="list-style-type: none"> • Identify and describe the functions of different parts of flowering plants: roots, stem, leaves and flowers. • Explore the requirements of plants for life and growth (air, light, water, nutrients from soil, and room to grow) and how they vary from plant to plant. • Investigate the way in which water is transported within plants. • Explore the role of flowers in the life cycle of flowering plants, including pollination, seed formation and seed dispersal. <p><u>Vocabulary:</u></p> <ul style="list-style-type: none"> • roots, stem, leaves and flowers. • transported • pollination • seed formation • seed dispersal <p><u>Previous Knowledge:</u> <i>observe and describe how seeds and bulbs grow into mature plants</i> <i>find out and describe how plants need water, light and a suitable temperature to grow and stay healthy.</i></p> <p><u>Previous Vocab</u> <i>Germinate, Survive, Growth</i></p>

Knowledge

- Children will know that Henri Rousseau's style of art was called post-impressionism (an abstract style of art) which means that he didn't try to paint things exactly as they look in real life.
- Children will know the position and significance of latitude, longitude, Equator, Northern Hemisphere, Southern Hemisphere, the Tropics of Cancer and Capricorn, Arctic and Antarctic Circle, the Prime/Greenwich Meridian and time zones (including day and night).
- Children will know what countries the Amazon rainforest covers.
- Children will know the climate of the Amazon rainforest.
- Children will know the size of the Amazon rainforest.

Vocabulary

- post-impressionism
- abstract
- Equator
- Northern Hemisphere
- Southern Hemisphere

Planning notes:

This topic will focus on the Amazon Rainforest to cover this skill from the National Curriculum: include the location and characteristics of a range of the world's most significant human and physical features. The wow start will focus on this - fact finding about the amazon. Could be a treasure hunt with code cracking or similar. Matching activity etc.

Knowledge for teachers:

1. The Amazon is the world's largest tropical rainforest. Covering over 5.5 million square kilometres, it's so big that the UK and Ireland would fit into it 17 times!
2. The Amazon is found in South America, spanning across Brazil, Bolivia, Peru, Ecuador, Colombia, Venezuela, Guyana, Suriname and French Guiana.
3. The Amazon has an incredibly rich ecosystem - there are around 40,000 plant species, 1,300 bird species, 3,000 types of fish, 430 mammals and a whopping 2.5 million different insects. Wow!
4. Due to the thickness of the canopy (the top branches and leaves of the trees), the Amazon floor is in permanent darkness. In fact, it's so thick that when it rains, it takes around ten minutes for the water to reach the ground!

Science - use Switched on Science unit: How does your garden grow? From year 3.