



## Year 5 – Autumn 2 – Amazon Rainforest unit

### Synopsis:

In Geography, pupils will learn about the Amazon rainforest, its location relative to the UK and the difference between climate zones. In Science, they will design and conduct experiments to identify the optimum environment for a variety of plants to grow and learn about the different vegetation found in the UK and South America. Children will plan and write an information report on the Amazon rainforest, using digital and non-digital resources to research their content.

### Geography

#### Learning Sequence:

1. Map skills - Identify continent of S America, countries within the continent, location compared to Europe.
2. Climate - Make prediction about the climate of the Amazon based on location and prior knowledge. Explore features of a tropical climate.
3. Rainforest - Identify the layers of a rainforest and the importance of each in the biome.
4. Comparisons - Make comparisons in climate between the Amazon and UK. Produce a weather forecast for one of the regions, including key vocabulary from the unit.

#### Locational Knowledge

Locate majority of world's countries & cities using maps (focus on Europe and N/S America) and identify environmental regions, key physical/human features

Identify position of latitude, longitude and N/S Hemispheres

Identify position of Tropics of Cancer/Capricorn, Arctic and Antarctic

#### Human & Physical Geography

Explain key aspects of physical geography (climate zones, biomes, vegetation belts, rivers, mountains, earthquakes, volcanoes, water cycle)

#### Skills & Fieldwork

Securely use world maps, atlases and globes and digital mapping to build knowledge of the wider world

Observe, record and present human/physical features of local area using maps, sketches, plans, graphs, digital technology eg numerical, quantitative and writing at length

#### Place Knowledge

Examine geographical similarities and differences (regions of UK, European country and N/S America) and communicate geographically

### Science

#### Make Observations

Independently decide which observations to make

#### Perform Tests

Recognise and control variables where necessary

#### Gather Data

Report and present findings from enquiries, examining causal relationships and reliability of results

### Writing

#### Language & Vocabulary

Use dictionaries (and thesauruses) to check meaning of new words/language

#### Plan, Draft, Edit & Evaluate

Identify audience and purpose of writing

#### Grammar & Punctuation

Build cohesion within a paragraph

Link ideas across paragraphs using adverbials of time, place and number or by varying tense

**Text Structure & Features**

Use further organisational and presentational devices to structure text

**Transcription**

Use knowledge of morphology and etymology as a strategy for spelling

## **Reading**

**Comprehension**

Continue to read/discuss a wide range of challenging stories, poems, plays, non-fiction and reference books, myths, legends and fairy stories

Read books that are structured in different ways

Discuss and explore meanings of words in context

Ask questions to improve understanding of text