St John Fisher RC Primary School
Year 4 Knowledge Organiser – Autumn Two - Geography

What we will be learning

I know:

Lesson 1 How to explain the difference between weather and climate (the average weather conditions in a certain place for the past 30 years). The names of the climate zones around the world.

Lesson 2 How to locate the world's rainforests on a map of the world. How to describe a rainforest climate. Tropical rainforests are hot and wet. They have high temperatures and heavy rainfall throughout the year. Tropical rainforests are found between the Tropics of *Cancer* and *Capricorn*, north and south of the *equator*. How to use lines of longitude and latitude to locate rainforests in the world on maps and globes.

Lesson 3 How to explain the different layers of the Rainforests. Four main layers; the emergent, the canopy, the under canopy and the forest floor. Each layer experiences different levels of water, sunlight, and air circulation. The top emergent layer receives the most sunlight and the forest floor receive the least amount of sunlight. The living things that survive within each layer of the rainforest.

Lesson 4 Soya beans (often used in animal feed), cocoa beans, coffee, and oil palm fruit are some of the products imported to the UK from the Amazon rainforest area.

Lesson 5 Organizations like Fairtrade and CAFOD are working to support farmers and protect the rainforests.

Key Knowledge:

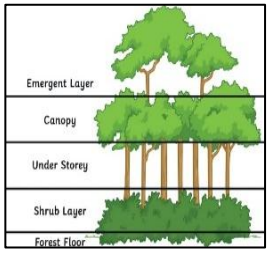
Climate is the average weather conditions in a specific area over the past 30 years, with different regions having distinct climates. Tropical rainforests are characterised by hot temperatures and high levels of rainfall throughout the year, creating a unique environment for diverse ecosystems. Deforestation results in habitat loss for many species and contributes to global warming. Different animals inhabit each layer of the rainforest, adapted to the specific conditions found in their environment. Taking action to prevent deforestation is crucial for environmental conservation

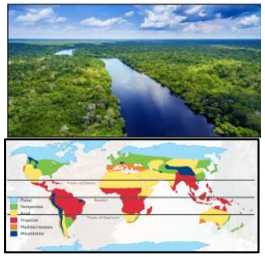
Key Facts to Remember

- Climate is the average weather conditions in a certain place for the past 30 years - Different areas of the world have different climates.
- Tropical rainforests are hot and wet. They have high temperatures and heavy rainfall throughout the year.
- Tropical rainforests are found between the Tropics of *Cancer* and *Capricorn*, north and south of the *equator* - How to use lines of longitude and latitude to locate rainforests in the world on maps and globes.
- Rainforests have four main layers; the emergent, the canopy, the under canopy and the forest floor - The top emergent layer receives the most sunlight and the forest floor receives the least amount of sunlight.
- Each layer experiences different levels of water, sunlight, and air circulation.

Key Vocabulary

Canopy	The uppermost branches of trees in a forest
Deforestation	The action of clearing away a large area of trees and forest regions
Emergent Layer	The top layer of a rainforest
Endangered	A living thing that is in danger of becoming extinct
Forest Floor	The lowest level of the rainforest
Habitat	An area in which particular animals or plants live
Tropical	Regions found within the tropics that have a large amount of rainfall
Understorey	A layer of vegetation below the canopy in a forest





In his letter, Laudato Si, Pope Francis said,

"Young People demand change. They wonder how anyone can claim to be building a better future without thinking of the environmental crisis..."The environmental crisis the Pope is talking about is...Climate Change. Climate change is having a negative effect on humans and animals living in different habitats around the world.

