TROPICAL RAINFORE

What is a rainforest?

Rainforests are very dense, warm wet forests.
They are home to millions of plants and animals.
Forests are areas of dense trees and vegetation combined with more open areas.
Rainforests cover 6% of the world's land surface,

Rainforests cover 6% of the world's land surface, but contain half the world's species.

Rainfall

It is almost always raining in a rainforest, with a minimum of 150cm of rainfall each year. Half of the rain that falls never reaches the floor, but is caught in the layers of broad leaves.

Temperature

Because of their location, there is little variation throughout the year. It never freezes and never gets exceptionally hot, averaging around 25°C to 30°C. There is usually a consistent 12 hours of sunshine each day and it is very humid.

Layers of the rainforest

Different animals and plants live in different parts of the rainforest. The rainforest can be divided into the following layers:

Emergents: Giant individual trees that can reach 75 metres. These trees get the most sunlight and are the home of many birds and insects.

Canopy: The upper parts of the majority of trees, which can grow to 30 to 40 metres. This leafy environment is full of life with insects, birds, reptiles, mammals and amphibians.

Understory: Young trees and shrubs growing up to about seven metres. A dark, cool area as little sunlight gets through the canopy.

Forest Floor: The largest animals in the rainforest usually live here, but there is also a mass of insects, fungi and fallen leaves.

Where are they found?

Tropical rainforests are found in a belt around the middle of the earth (the Equator). There are rainforests in South America, Central America, Africa, south-east Asia and Australia.

Products of the rainforest

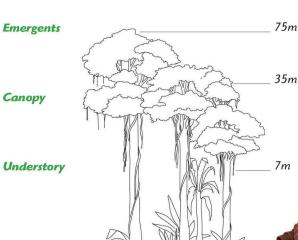
Many foodstuffs started their journey to our table from

tropical rainforests including bananas, cashew and

brazil nuts, pineapples, cocoa (chocolate),

There are many foods and other products that originate from the rainforest. Approximately one in four medicines originally came from rainforest animals or plants. Other products with their origins in the rainforest are rubber, mahogany, rattan (for ropes and mats) and jewellery made from metals mined from the rainforests.

coffee, peanuts, rice, sugar cane, oranges, and spices such as vanilla, nutmeg, ginger, cinnamon, pepper and cloves.



Forest Floor





Your Rainforest session @ DRUSILLAS PARK Your booked 30 minute education session will explore the wonder

of tropical rainforests, and starts by establishing where rainforests are located, what they are like and the layers of the forest. To introduce rainforest animals, images are shown and artefacts such as crocodile and snake skins are shown to the group. These artefacts are on loan from H. M. Revenue & Customs and allow an opportunity to touch

items that pupils may not otherwise come into contact with. In addition, a rainforest goody bag is examined to show the sort of products we all use on a daily basis.

At any point during the session, threats to the rainforest and its inhabitants can be discussed with the group, depending on the emphasis that is preferred. At the end of the session live animal encounters, with rainforest animals, takes place. Animals introduced vary and could include a snake, rat, hissing cockroach, millipede or snail.

Naturally, health and safety is considered throughout and everyone is asked to clean their hands after touching animals and artefacts.



- Children write about 'their adventure' through the rainforest, why they packed items for their journey, the climate, flora and fauna they see, food and drink they consume, any medicines needed etc.
- Compare a climate graph of the rainforest with a climate graph of the U.K.
- Field study in school grounds or local park. Children take measurements and/or descriptions of trees they find - e.g. height, leaf size, trunk thickness etc., and compare with descriptions they can find of rainforest trees.
- Children study native people from the rainforest comparing lifestyles and their sustainable use of the rainforest - e.g. rubber tappers. This can lead on to the study of deforestation and its effects.
- Rainforest harmony rainforests are noisy places! Children can explore this by taking inspiration from rainforest sounds or pictures.

A class activity is to get the children one by one to make a rainforest animal / rain/ wind noise until whole class is participating.

FIND OUT MORE

Useful websites:

www.drusillas.co.uk www.mongabay.com www.bbcearth.com/nature kids.nationalgeographic.com/animals



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