

Topic:	Year group	Term
Sustainability - Deforestation	4	Summer

Background knowledge

Children build on their understanding of human impacts on habitats and look at the effects of deforestation both locally and globally. Children should define deforestation as the chopping down and removal of trees from a wood or forest. They explore why humans cut down large areas of forest and the impact this has on the plants and animals in these areas. Children explore how deforestation occurs due to a demand for products such as palm oil, which is used in food and cosmetic products. Large areas of forests are cut down to create space for palm plantations.

Children focus on the damage to orangutan habitats as a result of the production of palm oil, and look at their local area to identify any areas of possible historic deforestation.

What should I already know?

Children should know what a forest is that some humans cut down trees to use them for a variety of things.

National Curriculum Objectives / Key Skills	The Journey
Reporting on findings from enquiries, including oral and written explanations, displays or presentations of results and conclusions. <u>Working scientifically</u> Asking relevant questions and using different types of scientific enquiries to answer them.	1. What is deforestation? 2. What are the impacts in the UK and the rest of the world?

Outcomes

Working towards: I know that humans have an impact on the planet.

Expected: I understand what deforestation is and the impact it has on our planet.

Exceeding: I understand what deforestation is and the impact it has on our planet. I can explain in detail how to prevent this.

Key Vocabulary	Timeline / Diagrams
Natural resource - a material humans use that has been removed from the environment Deforestation - clearing trees from a woodland or forest habitat so the land can be used by humans Habitat destruction - when habitats are destroyed or damaged by humans Biodiversity - the variety of living things in a habitat Palm oil - made from the fruit of some palm trees, commonly used in food or cosmetic products Extinct - when a type of living thing no longer exists Endangered - when a type of living thing is at risk of becoming extinct Sustainable - does not cause long term damage to the environment	 

Key people / places

STEM scientists

Assessment questions / outcomes

- What foods contain palm oil? • What other products contain palm oil? • How can humans reduce the use of palm oil? • How can humans reduce deforestation? • Why is it important to look after endangered species? • How can our school reduce its environmental impact? • Why do humans cut down trees? • Can palm oil ever be sustainable? • What is "deforestation"? • Why is deforestation happening? • What happens to the plants and animals in areas where deforestation takes place? • How does deforestation impact the biodiversity of an area? • Why is deforestation a problem for the planet? • How does deforestation affect us locally? • Who is responsible for deforestation? • What can we do to stop deforestation?