

LEARN AT CHESTER ZOO

MUSIC

Children to learn and perform, using instruments and their voices, the 'Truth to Power' by OneRepublic. Children to sing from memory with accurate pitch. Children to learn the importance of articulating song words to communicate the song to the audience, through writing their own class song about saving the animals of the rainforest.



PHYSICAL EDUCATION

Children to explore dance music videos, as seen in 'Truth to Power' by OneRepublic. Through the practising of moves, they will develop their flexibility, strength, technique, control and balance. Children to perform the dance, using a range of movement patterns. Children's performances are to be filmed by peers so they can compare their performance with previous ones and demonstrate improvement.

HISTORY

Children to create a class timeline about Chester Zoo and what they have done in terms of conservation from 1930 to present day, with a focus on their recent SPO campaign.

COMPUTING

Children to create a podcast about the importance of SPO using audacity (or other program) with a script, recording a voice, music and 'ducking'.

DESIGN AND TECHNOLOGY

Children to design and make a rainforest animal (affected by unsustainable PO production) with moving parts from card with pivots, a lever and slider.

TOPIC: Sustainable Palm Oil Challenge
KS2 Year: 3
Term: Autumn / Spring / Summer

ART AND DESIGN

Children to collect in a sketchbook their own sketches of a chosen rainforest plants or animal, as well as small printed paper clippings. Children to investigate visual and tactile qualities of a range of materials to create rainforest plant or animal art pieces: including different textured paper and card. Children to experiment with how ink wash, beryl writing pens and crayons can be used to create effect.



SCIENCE

Plants - Children to learn about 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. Children to compare the amount of sunshine and rainfall between the UK and the rainforest in South East Asia

- how does this affect plant production and growth? Children to recognise the importance of rainforests to life in general and the production of oxygen.

Children to investigate the way in which water is transported within plants, linking this to rainforest plants or the oil palm tree.

Children to identify that animals, including humans, need the right types and amounts of nutrients and that they cannot make their own food; they get nutrients from what they eat.

Making links to the rainforest animals discuss the plight of e.g. orangutans who cannot survive on oil palm fruit – they need a diversity of plants to eat.

Animals, including humans – Children to identify that humans and some other animals have skeletons and muscles for support, protection and movement (compare how similar the human skeleton is to an orangutan).

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MATHEMATICS

Children to find fractions of land occupied by orangutans in a plan showing a hypothetical palm oil farm.

Children to measure arm spans. Who has the longest and shortest? How much longer is a male orangutan's arm span than a student's? Compare student heights with orangutan heights.

Children to use orangutan and student arm length and height data to create bar charts and tables.

Children to complete tables at home of 20 products. They are to record the number

of products with sustainable palm oil and those without. In school they can create pictograms to show their findings. (Children to be told which types of products may contain palm oil – children to look at these). Link to DT – children to measure out the ingredients needed, when following a recipe that uses sustainable palm oil products. Some children could change the quantities to cater for a larger number of people.



GEOGRAPHY

Studying maps of the rainforest, children should recognise how rainforests are found between the Tropics of Cancer and Capricorn, how locations near to the Equator are hotter than locations further away and how they remain hot throughout the year. Children could compare rainfall of a given location e.g. in Ecuador or Guatemala with that of the UK. Children to learn about the importance of the rainforest for biodiversity and the importance for life, including that of humans. Linking to English and Science work on deforestation and its effect on the orangutan and the importance of sustainable farming, including wildlife corridors. Children to learn about the different features and layers of a rainforest. Children to explore rainforest features on aerial photographs. Children to make a 'Rainforest in a box'

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making different boxes of materials (including natural materials) to represent the different rainforests around the world, their layers and example animals. Different groups can focus on different rainforests. Compare and contrast the Amazon or Central American rainforests with that of a forest near to them in the UK e.g. Sherwood Forest, New Forest or Delamere Forest. How is it used and managed compared to Amazon or Central American rainforest? Children to compare the life of people in the rainforest to the local area. What is different? What is similar? Look at recounts/ photographs/ Chester Zoo resources for information.



ENGLISH

Children to learn about the vocabulary associated with unsustainable and sustainable palm oil production. Children will reinforce this through word level activities such as a wordsearch.

Children to retrieve information on SPO from the factual information given by Chester Zoo, using dictionaries to check the meaning of words that they have read.

Children to write a report about an endangered animal affected by the unsustainable palm oil production in the world's rainforests.

Children to write a report on the rights of the animals to the right types and amounts of nutrients, and that they cannot make their own food; they get nutrients from what they eat. Children to write poetry about an endangered rainforest animal.

Children to design and make a poster; persuading shoppers to purchase SPO products.

Children to produce information texts on the production of unsustainable and sustainable palm oil.



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