

LEARN AT CHESTER ZOO

ENGLISH



Children to engage in drama activities to help build confidence, interest, engagement, knowledge, understanding and language associated with topics taught.

Children to retrieve information – from fact files, videos and leaflets from CZ and other reliable sources on SPO and write a report about these findings. Children to compare and contrast to South American palm oil plantations.

Children to write instructions for making a healthy lunch (containing SPO products).

Children to write poetry about SPO from the point of view of either the animals, workers, producers or consumer.

Children to take part in discussions giving their opinion on whether statements regarding palm oil production are true and false, backing these up with known facts from prior research.

Children to write a script for a debate on the pros and cons of PO production (seen from various viewpoints).

Children to write a letter as a conservationist describing the effects of actions over time on the rainforest, the animals, plants and the environment.

Children to write diary entries of the thoughts, feelings and actions of a rainforest animal from before and during unsustainable palm oil production.

PHYSICAL EDUCATION

Children to explore traditional dance typical of that in southern Asia; through the practising of moves they will develop their flexibility, strength, technique, control and balance.

Children to perform this traditional dance using a range of movement patterns. Children to compare their performances with previous ones and demonstrate improvement to achieve their personal best.

TOPIC: Sustainable Palm Oil Challenge

KS2 Year: 5

Term: Autumn / Spring / Summer

MUSIC



Children to explore traditional dance music sung and played by the tribes people affected by the production of palm oil in southern Asia. Children listen with attention to detail and recall sounds with increasing aural memory.

COMPUTING

Children to create a blog on their sustainable palm oil project – create a profile, upload text, images and web links and comment constructively on other's pages.

SCIENCE

Living things and their habitats - Children to describe the differences in the life cycles of a mammal, an amphibian, an insect and a bird (Comparing and contrasting UK animals with endangered rainforest animals). Children to describe the life process of reproduction in some plants and animals. Focusing on different types of reproduction, including sexual and asexual reproduction in plants, and sexual reproduction in animals (including a rainforest plant and animal).

Children to observe and compare the life cycles of plants and animals in their local environment and find out how these plants and animals are similar to those found in the rainforests of Borneo; Focus on how animals and plants in Borneo are affected by deforestation from unsustainable palm oil production;

Children to describe the differences in the life cycles of a mammal (such as the Malayan sun bear), an amphibian, an insect and a bird.

Animals including humans - Children to research the gestation periods of animals and comparing them with humans; by finding out and recording the length and mass of a baby as it grows. (See Mathematics)

N.B. This topic web is not intended to cover ALL of the National Curriculum's objectives in each subject. It contains carefully linked conservation focussed activity ideas to help enrich the curriculum. Teachers should adapt them to fit with their school's long-term planning.

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GEOGRAPHY

Children to begin to use atlases with index and contents pages to find out about the world's rainforests. Children to use an atlas to find out about the weather patterns in the mountain regions and rainforests of South America and in Indonesia. Children to collect and record the measurements of rainfall in rainforest regions e.g. Ecuador and Borneo and compare to the UK. Children to compare and contrast the patterns of rainfall across the year. Children to begin to use 4 figure co-ordinates to locate natural features of the rainforest on a rainforest map of South America and also Borneo. Children to draw maps including a plan view map (with key) of the rainforest habitat (including suggested wildlife corridors) with some accuracy of scale and use OS map symbols. Children to identify given places on a map, comparing them with aerial photographs. Children to use an atlas to find Borneo in Malaysia and Ecuador in South America. Children to investigate cause and consequence of deforestation on the people and the plants and animals who live in South America and compare to Indonesia. Children to use information online to investigate the reasons for deforestation. Children to compare the different historical reasons for deforestation in South America. Children to discuss how it is thought the growth of palm oil is thought to possibly lead to more deforestation in the future, following on from more restrictions in South-East Asia. Children to use Google Earth to help with enquiry. Children to compare and contrast how the local area has changed over the years with the

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HISTORY

Children to create their own rainforest dance which tells a story of the plight of the animals living in the rainforest. From the beginning of living in harmony to the woes of deforestation, the removal of their home and pollution.

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same period of the rainforest. (See geography website to look at locations in the UK in the past and use Google maps to compare how it looks now.) Children to use factual information to predict what might happen to areas of the rainforest in the future. Children to compare to similar factual information about the UK.

Children to compare maps of Borneo from different years between 1950 and 2020 to show the change in rainforest cover during this period, as a result of the deforestation for oil palm tree plantations. Children to compare to those in Ecuador.



DESIGN AND TECHNOLOGY

Children to plan, design, make and evaluate a healthy packed lunch made from ingredients containing SPO.

MATHEMATICS

Children to use data gathered from SPO research, children to read, write, order and compare numbers to at least 1 000 000 and determine the value of each digit. Children to round any number up to 1 000 000 to the nearest 10, 100, 1000, 10 000 and 100 000, this will be from data gathered on SPO, given to them by their class teacher. Children to recognise and use reflection and translation, using images of their block prints (created in Art and Design). Children to draw a line of reflection parallel to the axes using images of block prints (created in Art and Design). Children to create an imaginary map of a rainforest animal's habitat on a 2-D grid and use coordinates in the first quadrant to give positions of the different things within its habitat. Children to learn about translation of items on a map to different places e.g. movement of orangutans, trees, buildings etc. Children to calculate the area of different parts of a hypothetical palm oil farm in cm². Children to find out and record the length and mass of a baby as it grows over a period of months. Record as a time graph. Read and interpret information from the graph. (See Science). Children to read and interpret graphs/ tables related to Science work, recording and comparing the gestation periods of humans with that of specific rainforest animals. (See Science).

