

# Sustainable palm oil

Conservation

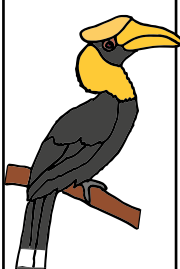
Term: Autumn/Spring/Summer

Subject: Geography 2

To understand the importance of preserving  
Topic: the rainforest

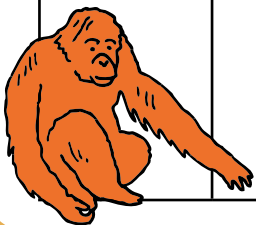
Year: 3



	National Curriculum Links	Overview	Assessment / Questions	Resources
<b>LESSON</b>  	<p><b>Geography – Place Knowledge</b></p> <ul style="list-style-type: none"> <li>Understand geographical similarities and differences through the <b>study of human and physical geography of a region</b> of the United Kingdom, a region in a European country, and a region within North or <b>South America</b>.</li> </ul> <p><b>Physical Geography</b> <b>Describe and understand key aspects of:</b></p> <ul style="list-style-type: none"> <li><b>Physical geography, including: climate zones, biomes and vegetation belts,</b> rivers, mountains, volcanoes and earthquakes, and the <b>water cycle</b>.</li> <li><b>Human geography, including: types of settlement and land use,</b> economic activity including trade links, <b>and the distribution of natural resources including energy food,</b> minerals and water.</li> </ul> <p><b>Learning Objective(s)</b></p> <ul style="list-style-type: none"> <li>To understand the importance of preserving the rainforest.</li> </ul> <p><b>Success Criteria</b></p> <ul style="list-style-type: none"> <li>I can give at least one reason why the rainforest is important for the world.</li> <li>I can explain one way humans are affecting the rainforest.</li> <li>I can explain how humans can protect the rainforest.</li> </ul>	<p><b>Prior learning</b> The children may have been introduced to:</p> <ul style="list-style-type: none"> <li>Where rainforests are found in the world</li> <li>Some of the major tropical rainforests</li> <li>Why rainforests are found in the Tropics.</li> </ul> <p>In KS2, the children may have learnt about:</p> <ul style="list-style-type: none"> <li>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.</li> <li>The importance of rain and sunshine for the rainforest.</li> </ul> <p><b>Introduction</b> Ask the children:</p> <p><i>'Why is the rainforest important?'</i></p> <p>In groups, the children should produce mind maps on large sheets of paper (A3) to show their understanding so far. Review the information together as a class.</p> <p>Show the Chester Zoo video: 'Why are rainforests important?' <a href="http://www.chesterzoo.org/schools/resources/why-are-rainforests-important/">www.chesterzoo.org/schools/resources/why-are-rainforests-important/</a></p> <p><b>Activities</b> Introduce a worksheet giving facts about the Amazon rainforest: 'Why is the Rainforest Important?'</p> <p>In pairs, the children are to tick the facts that they feel are important for the world. If possible, can they try to order the facts in order of importance?</p> <p><b>Mini plenary</b> The children will feedback their findings to the rest of the class and will need to try to explain why they have ordered them in their chosen way. Make it clear that it is very difficult to order the rainforest facts in order of importance to the world, since each of the facts that they have highlighted are probably all important to the world, but in</p>	<ul style="list-style-type: none"> <li>Why is the rainforest important?</li> <li>What might happen if there were to be further deforestation?</li> <li>What do we, as humans, need to do to prevent animals being affected, like the orangutan has in South-east Asia?</li> <li>Can you give one way in which humans affect the rainforest?</li> <li>How can humans help to protect the rainforest for the future?</li> </ul>	<ul style="list-style-type: none"> <li>'Why is the Rainforest Important?' worksheet (possibly photocopied on to A3 paper)</li> <li>'Why is the Rainforest Important?' CARD FORMAT (possibly printed on to card or paper)</li> <li>'Why I believe the rainforest is important?' worksheets (two differentiated types LA and A).</li> <li>Chester Zoo video: 'Why are rainforests important?' <a href="http://www.chesterzoo.org/schools/resources/why-are-rainforests-important/">www.chesterzoo.org/schools/resources/why-are-rainforests-important/</a></li> <li>Stem learning: the crunch: Rainforests: <a href="http://www.stem.org.uk/resources/elibrary/resource/133747/save-our-home">www.stem.org.uk/resources/elibrary/resource/133747/save-our-home</a></li> </ul>

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different ways.

Emphasise the need to treat the Amazon with respect. Ask the question:

*'What might happen if there were to be further deforestation?'*

Discuss their answers in conjunction with some of the fact cards that explain what will happen if there is deforestation.

Explain what has happened in South East Asia and how much of the forest has been felled in order to grow oil palm. Discuss how animals are decreasing in numbers due to the loss of habitat. Discuss the plight of the orangutan. If the children have already been introduced to this animal (and others) that have been affected ask:

*'What do we, as humans, need to do to prevent animals being affected, like the orangutan has in South East Asia?'*

Focus on the fact that in the Amazon rainforest deforestation has generally occurred for other reasons than for the growth of oil palm e.g. for agriculture and for cattle farming. So far, oil palm tree plantations are a minor crop in the Amazon rainforest, but oil palm plantations have mostly been planted on land already deforested for other reasons. It is important that restrictions are in place to stop further deforestation to grow oil palm trees and other crops. The restrictions posed in South East Asia have meant that it is widely believed that the Amazon will be the next area for expansion of the growth of oil palm.

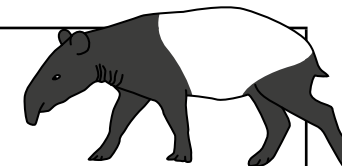
The children are then required to focus on some of the facts about the Amazon rainforest that they have highlighted as important to the world. See differentiated worksheets: 'Why I believe the rainforest is important?' Most of the children should focus on at least 5 facts that show how important the Amazon is to the world, by writing these in the table on the worksheet (shown by 'A'). If possible, next to each chosen fact, they should write why they think the fact is important.

Lower ability children can cut out the facts from the 'Why is the Rainforest Important?' worksheet. They should then stick about five of these in the spaces shown on their table on the worksheet (shown by 'LA').

#### **Plenary**

Review the learning objective and success criteria. Ask the children:

*'Why is the rainforest important?'*



		<p>The children should then be encouraged to tell each other a fact that shows the importance of the rainforest. Review the children's ideas and ask differentiated questions e.g.:</p> <p><i>'Can you give one way in which humans affect the rainforest?'</i></p> <p><i>'How can humans help to protect the rainforest for the future?'</i></p> <p>If time allows, the children can be shown the following video that highlights the importance of the rainforest, but also emphasises the plight of the orangutans in Sumatra in Indonesia:</p> <p>Stem learning: the crunch: Rainforests:  <a href="http://www.stem.org.uk/resources/elibrary/resource/133747/save-our-home">www.stem.org.uk/resources/elibrary/resource/133747/save-our-home</a></p> <p><b>Possible ongoing work</b>          Further work in Geography on the rainforest and its people e.g. different features and layers of the rainforest, comparing and contrasting with a forest and the people within the UK.</p> <p>Work across the curriculum related to palm oil and its effect on the rainforest, endangering animals and rainforest survival.</p>	
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### Additional notes:

You may wish to 'explore the dense jungles of **South East Asia**' by visiting Chester Zoo's Monsoon Rainforest with your pupils. See more details here: [www.chesterzoo.org/whats-here/monsoon-forest/](http://www.chesterzoo.org/whats-here/monsoon-forest/)



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