



Topic Overview
 Faculty/Subject: Geography
 Year Group: GCSE
 Topic: The Living World



<p>What BIG IDEAS will you cover in this topic?</p> <p>Ecosystems are interconnected systems Components include plants, animals, soil, climate, and people. Energy flows and nutrient cycles support life.</p> <p>Different ecosystems have distinct characteristics Tropical rainforests and deserts as contrasting examples. Adaptations of plants and animals to extreme conditions.</p> <p>Human activity affects ecosystems Deforestation, agriculture, urbanisation, and climate change impact ecosystems. Management strategies are needed to balance human needs and conservation.</p> <p>Sustainability is key to managing ecosystems Protecting ecosystems while supporting local communities. Strategies include conservation, ecotourism, selective logging, and water management.</p>	<p>What other <u>key concepts, knowledge and skills</u> will you learn in this topic?</p> <p>Knowledge: Structure and functioning of ecosystems (biotic and abiotic components) Characteristics of tropical rainforests and deserts Human impacts on ecosystems and strategies for sustainable management</p> <p>Skills: Interpreting maps, graphs, and data about ecosystems Explaining cause-and-effect relationships in ecosystems Evaluating the effectiveness of management strategies Applying geographical concepts to case studies</p> <p>Concepts: Interdependence Adaptation Biodiversity Sustainability</p>
<p>What important <u>prior knowledge</u> will you use from your prior learning?</p> <p>Students will have knowledge of biomes from when they covered it in year 7. They will also have touched on cold environments in year 7.</p> <p>Where does this topic fit into the <u>curriculum plan</u> for this subject?</p> <p>This is the first topic which they will cover in year 10. It is the first topic of the GCSE course.</p>	<p>Assessment:</p> <p>How and when will you be assessed on this topic? What will the success criteria be?</p> <p>Students will be assessed through home learnings throughout the topic. Any exam questions completed will be marked and feedback will be given.</p> <p>Students will then be assessed during their December mock on this topic and in an end of topic assessment.</p> <p>They should have knowledge of the content covered in the lessons below.</p>
<p>What is the key <u>vocabulary</u> that you will need to know in this topic?</p> <p>Ecosystem Biotic Abiotic Biodiversity Tropical Rainforest Desert Adaptation Interdependence Nutrient Cycle Deforestation Desertification Sustainability</p>	<p>What is the structure of learning/ lessons in this topic?</p> <ol style="list-style-type: none"> 1. Small scale ecosystems 2. Changes to ecosystems 3. Large scale ecosystems 4. Characteristics of the rainforest 5. Soils and structure 6. TRF - Plant and animal adaptations 7. TRF - Rate of deforestation 8. TRF - causes of deforestation 9. Effects of deforestation 10. Value of the rainforest 11. TRF - Sustainable management 12. Cold environments - characteristics 13. CE - Adaptations 14. CE - Alaska opportunities 15. CE - Alaska challenges 16. CE - Value of cold environments 17. CE - Conservation