



HALF TERM 4

TOPIC How Ecosystems function and Ecosystems under threat	Lesson 1 What are ecosystems?	Lesson 2 What are the world's major biomes?	Lesson 3 What are the processes involved in ecosystems?	Lesson 4 What are the characteristics of tropical rainforests?	Lesson 5 What are the characteristics of hot semi-arid grasslands?	Lesson 6 What are the benefits of sand dunes to the local community?
	Success criteria <ul style="list-style-type: none"> Define ecosystem Understand the components of an ecosystem Explain the features of a food chain 	Success criteria <ul style="list-style-type: none"> Define biome Describe the distribution of world biomes Explain how climate influences ecosystems 	Success criteria <ul style="list-style-type: none"> Investigate energy flows Describe and explain the nutrient cycle. Describe and explain the carbon cycle Describe and explain the hydrological cycle 	Success criteria <ul style="list-style-type: none"> Describe the location and climate of the tropical biome Understand the structure of the rainforest Explain how plants have adapted to the rainforest 	Success criteria <ul style="list-style-type: none"> Describe the location and climate of the hot semi-arid grasslands Explain the processes working in a hot semi-arid grassland Explain how plants are adapted to the hot semi-arid grassland biome 	Success criteria <ul style="list-style-type: none"> Understand the formation and characteristics of the sand dune ecosystem Understand why sand dunes should be managed Assess how the Ynyslas sand dunes have been managed
Assessment / Feedback Opportunities	Green pen interpretation and classification task Exam question Plenary	Green pen worksheet Extended writing Plenary	Green pen diagrams Exam question Plenary	Green pen distribution description Exam question Plenary	Green pen distribution description Exam question Plenary	Green pen sand dune formation Evaluation task Plenary
TOPIC How Ecosystems function and Ecosystems under threat	Lesson 7 How are ecosystems used by people?	Lesson 8 How are humans damaging hot semi-arid grasslands?	Lesson 9 How are hot semi-arid grasslands managed?	Lesson 10 What are the impacts of deforestation in the Amazon?	Lesson 11 How are tropical rainforests used for food production?	Lesson 12 How can the rainforest be managed sustainably?
	Success criteria <ul style="list-style-type: none"> Understand how ecosystems are used Understand the benefits of ecosystems Investigate the impacts of solar farms 	Success criteria <ul style="list-style-type: none"> Understand the human impact on hot semi-arid grasslands Understand how desertification is threatening the Sahel Investigate the impact of biofuels on Ghana 	Success criteria <ul style="list-style-type: none"> Identify issues in hot semi-arid grasslands Explain the management strategies in place Evaluate the management strategies in place found in the countryside 	Success criteria <ul style="list-style-type: none"> Identify the causes of deforestation in the Amazon Explain the effects of deforestation in the Amazon Assess the effects of deforestation in the Amazon 	Success criteria <ul style="list-style-type: none"> Understand the causes of deforestation in Borneo. Explain the effects of palm oil production. Investigate how species in Borneo are being protected. 	Success criteria <ul style="list-style-type: none"> Understand how the rainforest can be managed. Explain the different logging strategies. Evaluate the strategies used to protect the rainforest.

Assessment / Feedback Opportunities	Green pen activities Exam question Plenary	Green pen activities and enquiry Plenary	Green pen video comprehension and classification task Exam question Plenary	Green pen interpretation and classification task Exam question Plenary	Green pen textbook activities Video comprehension Exam question Plenary	Green pen questions and comprehension Exam question Plenary
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