



Secondary Curriculum Overview (Medium Term Plan)

SUBJECT	GEOGRAPHY	YEAR/FORM GROUP	8
TOPIC TITLE	ECOSYSTEMS		
TERM	TERM 1	LENGTH	14
Learning Overview	What is an ecosystem? The human & physical environment are intrinsically linked. Which elements of an ecosystem are the most important? Antarctica 2048 - who decides?		
Resources	BBC Bitesize - https://www.bbc.co.uk/bitesize/topics/zxhhvcw Geography Pods - https://www.geographypods.com/global-biomes.html BBC Planet Earth with Sir. David Attenborough		

Week	Learning Overview	Learning Objectives	Assessment/Homework	KEYWORDS
1	Introduction What is an ecosystem? To understand where the world's major biomes are and why.	Where are we located? What is the difference between an ecosystem (climatic) & a biome (vegetation)? What factors affect climate? (latitude, ocean currents, elevation, earth tilt) Why are ecosystems different?		Ecosystem Biome Latitude Degrees
2	Deserts: Climate	To interpret climate graphs	Climate graph activity	Desert Arid

	To understand what deserts are like and an introduction to their Geography. To understand what the climate in the desert is like.			Climate Weather Drought Precipitation Temperature Fluctuation
3	Deserts: Plants and animals	To compare and contrast animal and plant adaptations	Mind map of adaptations	Flora Fauna Nocturnal Adaptation
4	Deserts Recap and Assessment preparation	Pupils discuss & draw a diagram of their desert animal Annotate the diagram with the 8 characteristics	My Frankenstein! Self and peer evaluation	
5	IN CLASS ASSESSMENT	Pupils create their animal using play dough Peer assessment mid-way through assessment to check that 8 characteristics are visible	Pupils to annotate final product photo	Adaptation, Characteristics
6	Polar: Climate	To understand the climate of two major polar regions.		Polar Relief Chill factor
7	Polar: Animals	To understand the animal habitats in the Arctic and Antarctica and how animals have adapted	Flipped classroom! Next week: Franklin & the North West Passage	Insulation Camouflage Blubber
HALF TERM				

8	Polar: Humans (Past)	To understand how humans have adapted to, and use the polar environments.		Exploration Interference Exploitation North West Passage Franklin
9	Polar: Humans (Present)	To analyse how humans are currently exploiting the natural habitat (advantages and disadvantages).	All aboard!	E.S.P.EN. Economic Social Political Environmental Impacts
10	Polar: The Future	To interpret climate data to show climate change. To understand the implications of climate change on the Polar ecosystem.	Flipped classroom! Next week: The Antarctic Treaty 2048	Climate change Melting ice caps Global warming Greenhouse gases Carbon dioxide Emissions Fossil fuels
11	Rainforest: Plants and animals	To understand the animal habitats in the rainforest and how animals have adapted. To compare and contrast adaptations across ecosystems.	Students to create a presentation about tourism in the rainforest. This will be presented in class Week 14!	
12	Rainforest: The Future Economic impacts – mining in Ghana	To analyse the E.S.P.EN impacts of the rainforest (advantages/disadvantages)		E.S.P.EN impacts Galamsey mining Illegal mining Gold rush Sustainable tourism

	Social impacts – tourism in Amazonia	To examine the impact and power humans have on the fragile ecosystem.		Eco tourism Mass tourism Cultural sensitivity Rainforest Alliance
13	Rainforest: The Future Political impacts - Articulation of Indigenous Peoples of Brazil (AIPB) Environmental impacts – deforestation in Borneo	To analyse the E.S.P.EN impacts of the rainforest (advantages/disadvantages) To examine the impact and power humans have on the fragile ecosystem.		Indigenous Political parties Cultural erosion Deforestation Loggers / logging companies Soil erosion
14	End of Unit Test (Summative) In class presentation of tourism in the rainforest.			