

Curriculum Map: Geography Year 9

	Autumn 1	Autumn 2	Spring	Summer
	Ecosystems	Challenges and Opportunities in Africa	Feeding the 10 Billion	GCSE Hazards
<p>Content Declarative knowledge 'I Know'</p>	<p>What an ecosystem is</p> <p>What a biome is</p> <p>Where the major biomes are located</p> <p>The key characteristics of different world biomes</p> <p>The structure of a rainforest</p> <p>How people use the rainforest to their advantage</p> <p>The impacts of palm oil farming</p> <p>The impacts of deforestation</p> <p>How tribes use the rainforest</p> <p>The threats posed to indigenous rainforest tribes</p> <p>How rainforests are being managed</p> <p>That the future of the rainforest is at risk</p>	<p>Where Africa is</p> <p>How Africa has a variety of physical landscapes</p> <p>The importance of natural resources in Africa</p> <p>What colonialism is</p> <p>The effects of European colonialism in Africa</p> <p>To consider how these effects have shaped Africa's present. What the term 'development' means.</p> <p>The differences in levels of development across African countries.</p> <p>To consider different points of view about development in African countries.</p> <p>The pattern of climate zones and biomes across Africa.</p> <p>Why both tropical rainforests and hot deserts are found in Africa.</p>	<p>What sustainability means</p> <p>What natural resources are</p> <p>What caused the population explosion</p> <p>What is meant by population distribution</p> <p>Where the world's largest populations are found</p> <p>That food consumption varies around the world</p> <p>What food insecurity is</p> <p>The factors affecting food supply</p> <p>Which countries are most at risk from food insecurity</p> <p>The impacts of food insecurity (including famine, undernutrition, soil erosion, rising prices, civil unrest).</p> <p>What the terms carrying capacity and ecological footprint mean</p> <p>The relationship between population and resource consumption</p> <p>The different strategies used to increase food supply</p>	<p>What the term 'natural hazard' means</p> <p>The main types and locations of natural hazards</p> <p>The factors that affect hazard risk</p> <p>What a tectonic plate is</p> <p>The difference between oceanic and continental crust</p> <p>Why tectonic plates are moving</p> <p>What happens at a constructive plate boundary and how this causes volcanoes to form</p> <p>What happens at a destructive plate boundary and how this causes volcanoes to form and earthquakes to occur</p> <p>What happens at a conservative plate boundary and how this causes earthquakes to occur</p> <p>The primary and secondary effects of the 2015 Nepal earthquake</p> <p>The immediate and long-term responses to the 2015 Nepal earthquake</p> <p>The primary and secondary effects of the 2011 Christchurch earthquake (HIC)</p> <p>Then immediate and long-term responses to the 2011 Christchurch earthquake (HIC)</p> <p>What the terms 'weather' and 'climate' mean</p>

		<p>The causes and consequences of desertification in the Sahel.</p> <p>The solutions to desertification in the Sahel.</p> <p>How population is distributed in Africa</p> <p>Why population is rapidly growing in Africa The challenges and opportunities of these changes.</p> <p>What urbanisation means</p> <p>The challenges and opportunities of life in a growing African city.</p>		<p>The global distribution of tropical storms (hurricanes, cyclones, typhoons)</p> <p>The causes of tropical storms</p> <p>The primary and secondary effects of Typhoon Haiyan</p> <p>The immediate and long-term responses to Typhoon Haiyan</p> <p>The types of weather hazard experienced in the UK</p> <p>The causes and impacts of the 2014 Somerset Levels floods</p> <p>The possible natural causes of climate change including orbital changes, volcanic activity and solar output</p> <p>The possible human causes of climate change including use of fossil fuels, agriculture and deforestation</p> <p>The effects of climate change on people and the environment</p>
<p>Skills Procedural Knowledge 'I know how to'</p>	<p>Explain how changes occur in ecosystems</p> <p>Analyse the impact of changes to ecosystems</p> <p>Locate world biomes on a map</p> <p>Draw and compare climate graphs for a tropical rainforest and a hot desert</p>	<p>Locate Africa on a map</p> <p>Explain why Africa has a variety of physical landscapes</p> <p>Evaluate the importance of natural resources in Africa</p> <p>Analyse the effects of European colonialism in Africa</p>	<p>Analyse the causes of the population explosion</p> <p>Identify patterns of population distribution</p> <p>Analyse the reasons for differences in global food consumption</p> <p>Analyse factors affecting food supply</p> <p>Explain why some countries are at risk from food insecurity</p> <p>Evaluate the impacts of food insecurity (including famine, undernutrition, soil erosion, rising prices, civil unrest).</p>	<p>Explain how and why the effects and responses to an earthquake can vary between two areas of contrasting levels of wealth</p> <p>Explain how monitoring, prediction, protection and planning can reduce the risks from volcanoes and earthquakes</p> <p>Explain how global atmospheric circulation helps to determine patterns of weather and climate</p> <p>Explain how global atmospheric circulation causes 'pressure belts'</p>

	<p>Explain the different characteristics of each layer of the rainforest</p> <p>Analyse the impacts of deforestation</p> <p>Evaluate the threats posed to indigenous rainforest tribes</p> <p>Evaluate different methods of preserving the rainforest</p> <p>Discuss the future of the rainforest</p>	<p>Evaluate how colonialism has shaped Africa's present.</p> <p>Make comparisons between different levels of development across Africa.</p> <p>Explain the pattern of climate zones and biomes across Africa.</p> <p>Evaluate the consequences of desertification in the Sahel.</p> <p>Evaluate the solutions to desertification in the Sahel.</p> <p>Analyse the challenges and opportunities of a rapidly growing population</p>	<p>What the terms carrying capacity and ecological footprint mean</p> <p>Evaluate the relationship between population and resource consumption</p> <p>Evaluate the different strategies used to increase food supply</p>	<p>Analyse the relationship between tropical storms and general atmospheric circulation</p> <p>Explain the structure and features of a tropical storm</p> <p>Analyse how climate change might affect the distribution, frequency and intensity of tropical storms.</p> <p>Evaluate how monitoring, prediction, protection and planning can reduce the effects of tropical storms.</p> <p>Analyse how management strategies can reduce the risk of further flooding in the Somerset Levels</p> <p>Evaluate the evidence that weather is becoming more extreme in the UK</p> <p>Explain how climate change can be managed by mitigation <i>(alternative energy production, carbon capture, planting trees, international agreements)</i></p> <p>Explain how climate change can be managed by adaptation <i>(change in agricultural systems, managing water supply, reducing risk from rising sea levels)</i></p>
<p>Strategies Conditional Knowledge 'I know when to'</p>	<p>I know when to apply my declarative and procedural knowledge to develop my understanding of the six geographical concepts:</p> <ul style="list-style-type: none"> - Place - Processes 	<p>I know when to apply my declarative and procedural knowledge to develop my understanding of the six geographical concepts:</p> <ul style="list-style-type: none"> - Place - Processes 	<p>I know when to apply my declarative and procedural knowledge to develop my understanding of the six geographical concepts:</p> <ul style="list-style-type: none"> - Place - Processes - Perspectives - Interactions - Sustainability 	<p>I know when to apply my declarative and procedural knowledge to develop my understanding of the six geographical concepts:</p> <ul style="list-style-type: none"> - Place - Processes - Perspectives - Interactions - Sustainability

	<ul style="list-style-type: none"> - Perspectives - Interactions - Sustainability - Skills 	<ul style="list-style-type: none"> - Perspectives - Interactions - Sustainability - Skills 	<ul style="list-style-type: none"> - Skills 	<ul style="list-style-type: none"> - Skills
Key Questions	<p>Place: Where are the world's major biomes?</p> <p>Processes: How do weather and climate determine a biome's characteristics?</p> <p>Perspectives: What is life like for the tribes people of the Amazon?</p> <p>Interactions: How do humans use the rainforest to their advantage?</p> <p>Sustainability: How can we preserve the rainforest for generations to come?</p> <p>Skills: Which cartographic, graphical and analytical skills can help to deepen our understanding of this topic?</p>	<p>Place: Where is Africa?</p> <p>Processes: What are the impacts of urbanisation in Africa?</p> <p>Perspectives: How has colonialism impacted the African people?</p> <p>Interactions: How do the people of Africa use the physical landscapes to their advantage?</p> <p>Sustainability: How can we prevent desertification?</p> <p>Skills: Which cartographic, graphical and analytical skills can help to deepen our understanding of this topic?</p>	<p>Place: Which countries are suffering from food insecurity?</p> <p>Processes: Why is population growing exponentially?</p> <p>Perspectives: How do populations cope with famine?</p> <p>Interactions: How does the natural environment impact food security?</p> <p>Sustainability: How can we ensure food supplies are maintained in the future?</p> <p>Skills: Which cartographic, graphical and analytical skills can help to deepen our understanding of this topic?</p>	<p>Place: Where are the world's most powerful earthquakes and volcanoes found?</p> <p>Processes: What happens at plate boundaries?</p> <p>Perspectives: Why do some communities choose to live near volcanoes?</p> <p>Interactions: How are human activities causing changes to the Earth's climate?</p> <p>Sustainability: How can we mitigate against the risks of climate change?</p> <p>Skills: Which cartographic, graphical and analytical skills can help to deepen our understanding of this topic?</p>
Assessment topics	Pupils complete a group presentation and accompanying written piece on sustainability in the rainforest	Exam-style test with a range of short and long answer questions, encouraging pupils to utilise knowledge and skills acquired during the topic	Exam-style test with a range of short and long answer questions, encouraging pupils to utilise knowledge and skills acquired during the topic	GCSE exam style assessment (past paper)

Cross curricular links/Character Education	Employing literacy skills for creative writing	Consideration of contrasting cultures	Developing empathy for those faced with food insecurity	Development of analytical and evaluative skills