

**Year 10 Curriculum Overview [2022-2023]**  
**Subject – Geography**

Autumn Term	Knowledge & Understanding			Literacy Skills  Opportunities for developing literacy skills	Employability Skills [if any]	Assessment Opportunities
	Composites	Components  [includes understanding of KEY concepts & subject specific vocab]	Formal Retrieval [if any]			
HT1	Natural Hazards	<ul style="list-style-type: none"> <li>Define what a natural hazard is</li> <li>Identify and categorise the different types of hazard</li> <li>Explain factors which can increase the risk of natural hazards</li> </ul>	Tectonic hazards (Yr9)  Extreme weather (Y8)  Mountains (Y7)	<ul style="list-style-type: none"> <li>Key vocabulary</li> <li>Description and explanation based extended writing</li> <li>Extended exam answers</li> </ul>	<ul style="list-style-type: none"> <li>ICT</li> <li>Collaboration</li> </ul>	Formative assessment throughout the topic
	Earthquakes and volcanic eruptions are the result of physical processes.	<ul style="list-style-type: none"> <li>Explain plate tectonics theory</li> <li>Describe the global distribution of earthquakes and volcanic eruptions and their relationship to plate margins.</li> <li>Explain the physical processes taking place at different types of plate margin (constructive, destructive and conservative) that lead to earthquakes and volcanic activity.</li> </ul>	Map Skills (Yr7)  Tectonic hazards (Yr9)	<ul style="list-style-type: none"> <li>Explanation and evaluation based extended writing</li> </ul>	<ul style="list-style-type: none"> <li>Communication skills</li> <li>Interpreting maps</li> </ul>	Formative assessment throughout the topic
	The Effects of Tectonic Hazards	<ul style="list-style-type: none"> <li>Define the difference between primary and secondary effects of a tectonic hazard</li> <li>Define the difference between immediate and long-term responses to a tectonic hazard</li> <li>Use named examples to show how the effects and responses to a tectonic hazard vary between two areas of contrasting levels of wealth</li> </ul>		<ul style="list-style-type: none"> <li>Use of key terminology</li> <li>Comparative writing</li> <li>Description and explanation base extended writing</li> <li>Extended exam question answers</li> </ul>	<ul style="list-style-type: none"> <li>Decision making</li> <li>Communication</li> </ul>	Formative assessment throughout the topic

	Managing the Effects of a Tectonic Hazard	<ul style="list-style-type: none"> <li>• Explain reasons why people live near volcanoes</li> <li>• Explain the different management strategies that can be used to manage the effects of a tectonic hazard (protection, prediction and planning)</li> <li>• Assess the effectiveness of the different management strategies</li> </ul>	Tectonic hazards (Year 9)  Development Gap (Year 9)	<ul style="list-style-type: none"> <li>• Use of key terminology</li> <li>• Comparative writing</li> <li>• Description and explanation base extended writing</li> <li>Extended exam question answers</li> </ul>	<ul style="list-style-type: none"> <li>• Communication skills</li> <li>• Analysis skills</li> <li>• ICT skills</li> </ul>	
	Global Atmospheric Circulation	<ul style="list-style-type: none"> <li>• Identify the different features of the global atmospheric circulation model</li> <li>• Explain how the global atmospheric circulation model impacts the climate globally</li> </ul>	Weather and Climate (Year 8)			
	Tropical Storms	<ul style="list-style-type: none"> <li>• Describe the global distribution of tropical storms (hurricanes, cyclones, typhoons).</li> <li>• Understanding of the relationship between tropical storms and general atmospheric circulation.</li> <li>• Explain the causes of tropical storms and the sequence of their formation and development.</li> <li>• Describe the structure and features of a tropical storm.</li> <li>• Explain how climate change might affect the distribution, frequency and intensity of tropical storms.</li> </ul>	Extreme Weather topic (Yr8)	<ul style="list-style-type: none"> <li>• Use of key terminology</li> <li>• Comparative writing</li> <li>• Description and explanation base extended writing</li> <li>• Extended exam question answers</li> </ul>		Formative throughout the topic
	The Effects of Tropical Storms	<ul style="list-style-type: none"> <li>• Explain the primary and secondary effects of tropical storms.</li> <li>• Explain the immediate and long-term responses to tropical storms.</li> <li>• Case study of a tropical storm- Typhoon Haiyan</li> <li>• Explain how monitoring, prediction, protection and planning can reduce the effects of tropical storms.</li> </ul>	Effects of Tectonic Hazards (HT 1 Year 10)  Food insecurity (Y9)  Development Gap (Year 9)	<ul style="list-style-type: none"> <li>• Key vocabulary</li> <li>• Description and explanation based extended writing</li> <li>• Extended exam answers</li> </ul>	<ul style="list-style-type: none"> <li>• Map/graph analysis</li> <li>• Decision making</li> <li>• Problem solving</li> </ul>	Formative throughout the topic

	The UK Extreme Weather	<ul style="list-style-type: none"> <li>• Case of The Somerset Level floods</li> <li>• Explain how management strategies can reduce the risk of flooding</li> <li>• Explain the evidence that suggests the weather is becoming more extreme in the UK</li> </ul>	Rivers (Year 9)	<ul style="list-style-type: none"> <li>• Key vocabulary</li> <li>• Description and explanation based extended writing</li> <li>•</li> </ul>		
<b>HT2</b>	The Causes and Effects of Climate Change	<ul style="list-style-type: none"> <li>• Describe and explain the evidence for climate change from the beginning of the Quaternary period to the present day</li> <li>• Define the difference between natural and human factors</li> <li>• Explain the natural factors that cause climate change</li> <li>• Explain the human factors that cause change</li> <li>• Explain the effects of climate change on people and the environment</li> </ul>	Weather and Climate (Year 7) Sustainability (Y8)	<ul style="list-style-type: none"> <li>• Use of key terminology</li> <li>• Comparative writing</li> <li>• Description and explanation base extended writing</li> <li>• Extended exam question answers</li> </ul>		
	Managing Climate Change	<ul style="list-style-type: none"> <li>• Define the difference between mitigation and adaptation</li> <li>• Identify different mitigation and adaptation strategies</li> <li>• Explain how adaptation strategies help to reduce the effects of climate change</li> <li>• Explain how mitigation methods help to reduce the effects of climate change</li> <li>• Assess the effectiveness of the different management strategies</li> </ul>	Study of the UK (Yr7) Development topic (Yr9)	<ul style="list-style-type: none"> <li>• Key vocabulary</li> <li>• Description and explanation based extended writing</li> <li>• Evaluative writing</li> <li>• Extended exam answers</li> </ul>		
	Small Scale Ecosystems	<ul style="list-style-type: none"> <li>• An example of a small-scale UK ecosystem to illustrate the concept of interrelationships within a natural system</li> <li>• Understanding of producers, consumers, decomposers, food chain, food web and nutrient cycling.</li> </ul>	Ecosystems (Year 7)	<ul style="list-style-type: none"> <li>• Explanation based extended writing</li> <li>• Key vocabulary</li> </ul>	<ul style="list-style-type: none"> <li>• ICT skills</li> <li>• Numeracy</li> <li>• Decision making</li> </ul>	Formative throughout the topic  Summative Assessment of Paper 2 content

		<ul style="list-style-type: none"> <li>• The balance between components.</li> <li>• The impact on the ecosystem of changing one component</li> </ul>				
	Global Biomes	<ul style="list-style-type: none"> <li>• Describe the location of global distribution of biomes</li> <li>• Explain the link between climate and location</li> <li>• Explain the global distribution of global biomes</li> </ul>	<p>Ecosystems (Year 7)</p> <p>Weather and Climate (Year7)</p>			
	Tropical Rainforests	<ul style="list-style-type: none"> <li>• The physical characteristics of a tropical rainforest</li> <li>• The interdependence of climate, water, soils, plants, animals and people</li> <li>• Explain how plants and animals adapt to the physical conditions. Issues related to biodiversity</li> <li>• Case study of a tropical rainforest- The Amazon, South America</li> <li>• Explain the causes of deforestation in the Amazon</li> <li>• Explain the impacts of deforestation</li> <li>• Understand the value of tropical rainforests to people and the environment</li> <li>• Strategies used to manage the rainforest sustainably</li> </ul>	<p>Ecosystems (Year 7)</p> <p>Galapagos Islands (Year 9)</p>	<ul style="list-style-type: none"> <li>• Key vocabulary</li> <li>• Description and explanation based extended writing</li> <li>• Evaluative writing</li> <li>• Extended exam answers</li> </ul>		

## Year 10 Curriculum Overview [2022-2023]

### Subject – Geography

Spring Term	Knowledge & Understanding			Literacy Skills  Opportunities for developing literacy skills	Employability Skills [if any]	Assessment Opportunities
	Composites	Components  [includes understanding of KEY concepts & subject specific vocab]	Formal Retrieval [if any]			
HT3	Hot Deserts	<ul style="list-style-type: none"> <li>The physical characteristics of a hot desert</li> <li>The interdependence of climate, water, soils, plants, animals and people</li> <li>Explain how plants and animals adapt to the physical conditions</li> <li>Understand the issues related to biodiversity</li> <li>A case study of a hot desert- The Thar desert</li> <li>Development opportunities in hot desert environments: mineral extraction, energy, farming, tourism</li> <li>Challenges of developing hot desert environments: extreme temperatures, water supply, inaccessibility.</li> </ul>	Ecosystems (Year 7)  Africa (Year 8)	<ul style="list-style-type: none"> <li>Use of key terminology</li> <li>Comparative writing</li> <li>Description and explanation base extended writing</li> <li>Extended exam question answers</li> </ul>	<ul style="list-style-type: none"> <li>Map/graph analysis</li> <li>Decision making</li> <li>Problem solving</li> </ul>	
	Desertification	<ul style="list-style-type: none"> <li>Location of areas globally at risk from desertification</li> <li>Locate the Sahel region of Africa</li> <li>Causes of desertification – climate change, population growth, removal of fuel wood, overgrazing, over-cultivation and soil erosion.</li> <li>Strategies used to reduce the risk of desertification – water and soil management, tree planting and use of appropriate technology</li> </ul>	Ecosystems (Year 7)  Africa (Year 8)	<ul style="list-style-type: none"> <li>Use of key terminology</li> <li>Comparative writing</li> <li>Description and explanation base extended writing</li> <li>Extended exam question answers</li> </ul>		

	UK Physical Landscapes	<ul style="list-style-type: none"> <li>An overview of the location of major upland/ lowland areas and river systems</li> </ul>	UK topic (Year 7)	<ul style="list-style-type: none"> <li>Use of key terminology</li> <li>Comparative writing</li> <li>Description and explanation base extended writing</li> <li>Extended exam question answers</li> </ul>	<ul style="list-style-type: none"> <li>ICT skills</li> <li>Numeracy</li> <li>Decision making</li> </ul>	
	Coastal Processes	<ul style="list-style-type: none"> <li>Describe the types of wave and compare their characteristics</li> <li>Types of weathering– mechanical and chemical</li> <li>Types of mass movement – sliding, slumping and rock falls</li> <li>Types of erosion – hydraulic power, abrasion and attrition</li> <li>Types of transportation – longshore drift</li> <li>Explain reasons why material is deposited in coastal areas</li> </ul>	<p>Where the land meets the Sea (Year 8)</p> <p>Rivers (Year 9)</p>	<ul style="list-style-type: none"> <li>Use of key terminology</li> <li>Comparative writing</li> <li>Description and explanation base extended writing</li> </ul>	<ul style="list-style-type: none"> <li>Collaborative working</li> </ul>	
	Coastal Landforms	<ul style="list-style-type: none"> <li>Explain how geological structure and rock type influence coastal forms</li> <li>Characteristics and formation of landforms resulting from erosion – headlands and bays, cliffs and wave cut platforms, caves, arches and stacks</li> <li>Characteristics and formation of landforms resulting from deposition – beaches, sand dunes, spits and bars</li> <li>An example of a section of coastline in the UK to identify its major landforms of erosion and deposition- The Holderness Coast, East coast of England</li> </ul>	<p>Where the land meets the Sea (Year 8)</p> <p>Rivers (Year 9)</p>	<ul style="list-style-type: none"> <li>Use of key terminology</li> <li>Comparative writing</li> <li>Description and explanation base extended writing</li> </ul>		

<p><b>HT4</b></p>	<p>Coastal Management</p>	<ul style="list-style-type: none"> <li>• The costs and benefits of the following management strategies</li> <li>• Hard engineering – sea walls, rock armour, gabions and groynes</li> <li>• Soft engineering – beach nourishment and reprofiling, dune regeneration, managed retreat – coastal realignment.</li> <li>• An example of a coastal management scheme in the UK- The Holderness Coast, East coast of England</li> </ul>	<p>Where the land meets the Sea (Year 8)</p> <p>Rivers (Year 9)</p>	<ul style="list-style-type: none"> <li>• Use of key terminology</li> <li>• Comparative writing</li> <li>• Description and explanation base extended writing</li> </ul>	<ul style="list-style-type: none"> <li>• Map/graph analysis</li> <li>• Decision making</li> <li>• Problem solving</li> </ul>	<p>Formative assessment throughout</p> <p>Year 10 mock examinations</p>
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## Year 10 Curriculum Overview [2022-2023]

### Subject – Geography

Summer Term	Knowledge & Understanding			Literacy Skills  Opportunities for developing literacy skills	Employability Skills [if any]	Assessment Opportunities Composites
	Composites	Components  [includes understanding of KEY concepts & subject specific vocab]	Formal Retrieval [if any]			
HT5	The Long Profile of a River	<ul style="list-style-type: none"> <li>Describe the physical characteristics of each course of a river</li> <li>Describe and explain how the shape of a river valley change as rivers flow downstream</li> </ul>	Where the land meets the Sea (Year 8)  Rivers (Year 9)	<ul style="list-style-type: none"> <li>Use of key terminology</li> <li>Comparative writing</li> <li>Description and explanation base extended writing</li> </ul>		Formative assessment throughout
	Fluvial Processes	<ul style="list-style-type: none"> <li>Types of erosion – hydraulic action, abrasion, attrition, solution, vertical and lateral erosion</li> <li>Types of transportation – traction, saltation, suspension and solution</li> <li>Explain why rivers deposit sediment</li> </ul>	Where the land meets the Sea (Year 8)  Rivers (Year 9)	<ul style="list-style-type: none"> <li>Use of key terminology</li> <li>Comparative writing</li> <li>Description and explanation base extended writing</li> </ul>		
	River Landforms	<ul style="list-style-type: none"> <li>Characteristics and formation of landforms resulting from erosion – interlocking spurs, waterfalls and gorges</li> <li>Characteristics and formation of landforms resulting from erosion and deposition – meanders and ox-bow lakes</li> <li>Characteristics and formation of landforms resulting from deposition – levées, flood plains and estuaries</li> </ul>	Rivers (Year 9)	<ul style="list-style-type: none"> <li>Use of key terminology</li> <li>Comparative writing</li> <li>Description and explanation base extended writing</li> </ul>		



HT6		<ul style="list-style-type: none"> <li>An example of a river valley in the UK to identify its major landforms of erosion and deposition</li> </ul>				
	Flood Management	<ul style="list-style-type: none"> <li>Explain how physical and human factors affect the flood risk – precipitation, geology, relief and land use.</li> <li>The use of hydrographs to show the relationship between precipitation and discharge</li> <li>The costs and benefits of the following management strategies</li> <li>Hard engineering – dams and reservoirs, straightening, embankments, flood relief channels</li> <li>Soft engineering – flood warnings and preparation, flood plain zoning, planting trees and river restoration.</li> <li>An example of a flood management strategy- The Somerset Levels</li> </ul>	<p>Weather Hazards (Year 10 HT1)</p> <p>Rivers (Year 9)</p>	<ul style="list-style-type: none"> <li>Use of key terminology</li> <li>Comparative writing</li> <li>Description and explanation base extended writing</li> </ul>	<ul style="list-style-type: none"> <li>Map/graph analysis</li> <li>Decision making</li> <li>Problem solving</li> </ul>	
	Physical fieldwork	<ul style="list-style-type: none"> <li>considered when selecting suitable questions/hypotheses for geographical enquiry</li> <li>The geographical theory/concept underpinning the enquiry</li> <li>Appropriate sources of primary and secondary evidence, including locations for fieldwork</li> <li>The potential risks of both human and physical fieldwork and how these risks might be reduced</li> <li>Difference between primary and secondary data</li> <li>Identification and selection of appropriate physical and human data</li> <li>Measuring and recording data using different sampling methods</li> </ul>	<p>Fieldwork Study (Throughout KS3)</p> <p>Coasts (Year 8)</p> <p>Coasts (Year 10 HT4)</p>	<ul style="list-style-type: none"> <li>Key terminology</li> <li>Comparative writing</li> <li>Description and explanation base extended writing</li> </ul>	<ul style="list-style-type: none"> <li>Collaborative work</li> <li>Enquiry skills</li> <li>Decision making</li> </ul>	

		<ul style="list-style-type: none"><li>• Description and justification of data collection methods</li><li>• Appreciation that a range of visual, graphical and cartographic methods is available</li><li>• Selection and accurate use of appropriate presentation methods</li><li>• Description, explanation and adaptation of presentation methods</li><li>• Description, analysis and explanation of the results of fieldwork data</li><li>• Establish links between data sets. Use appropriate statistical techniques</li><li>• Identification of anomalies in fieldwork data</li><li>• Draw evidenced conclusions in relation to original aims of the enquiry</li><li>• Evaluation of geographical enquiry Identification of problems of data collection methods</li><li>• Identification of limitations of data collected</li><li>• Suggestions for other data that might be useful</li><li>• Extent to which conclusions were reliable.</li></ul>				
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