

Geography Curriculum Overview

Year 10

	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
Topic(s)	Paper 2 – Section C: Challenge of Resource Management <ul style="list-style-type: none"> • Energy 	Paper 1 – Section A: Challenge of Natural Hazards <ul style="list-style-type: none"> • Tectonic Hazards/ Tropical Storms 	Paper 1 – Section A: Challenge of Natural Hazards <ul style="list-style-type: none"> • Extreme UK Weather/Climate Change 	Paper 2 – Section A: Urban Challenges <ul style="list-style-type: none"> • Global urban patterns, two contrasting cities, sustainable urban futures 	Paper 1 – Section B: The Living World <ul style="list-style-type: none"> • Local ecosystems, tropical rainforest 	Paper 3 – Geographical Applications and Skills <ul style="list-style-type: none"> • Fieldwork Seen and Unseen
Topic Objectives	Assess how the changing demand and provision of resources in the UK creates opportunities and challenges. Assess the opportunities and challenges of sustainable and unsustainable energy sources.	Explore what a natural hazard is and explain the factors affecting hazard risk Assess the impacts and responses to natural Hazards.	Understand how extreme weather impacts the UK. Assess the significance of climate change.	Describe and explain the global patterns of urban change. Assess the opportunities and challenges for LIC/NEE and HIC cities.	Understand the relationship between abiotic factors and biotic members of an ecosystem. Use global atmospheric circulation to explain why global biomes differ around the world. Explain how plants and animals adapt to extreme environments. Assess the opportunities and challenges of living in, and on the fringes of	Students undertake two fieldwork geographical enquiries: <ul style="list-style-type: none"> • Human – Is Lee on Solent important to the local area? • Physical – Is the coastal management at Lee on Solent effective?

					extreme environments.	
Acquired Knowledge/ Skills	<p>Explain the causes of energy insecurity.</p> <p>Access the impacts of energy insecurity.</p> <p>Explain how renewable energy can be socially, economically and environmentally sustainable.</p> <p>Assess the advantages and disadvantages of the Gannet Oil field.</p> <p>Draw inferences about the physical and human landscape by interpretation of map evidence.</p> <p>Recognise and describe distributions and patterns of both human and physical features.</p> <p>Compare maps, bar charts, pie charts, histograms and divided bar.</p> <p>Complete a variety of graphs and maps.</p>	<p>Explain what happens at plate boundaries and why.</p> <p>Evaluated the significance of the primary and secondary effects in the Nepal and Christchurch earthquake.</p> <p>Evaluated the significance of the immediate and long-term responses in the Nepal and Christchurch earthquake.</p> <p>Explain how the effects of tectonic hazards can be reduced.</p> <p>Understand how heat is transferred around our atmosphere.</p> <p>Explain where and how tropical revolving storms form and disperse.</p> <p>Categorise and assess the impacts and responses</p>	<p>Assess the extent to which flooding has an impact on people and the environment?</p> <p>Explain the immediate and long-term responses to a UK flood.</p> <p>Assess the usefulness of the evidence of climate change during the quaternary period.</p> <p>Assess which natural causes of climate change has had the biggest impact on the Earth's climate.</p> <p>Assess the social, economic and environmental impacts climate change will have on the UK and the wider world.</p> <p>Assess how humans are mitigating climate change.</p> <p>Use and interpret OS maps at a range of scales, including 1:50 000 and 1:25 000 and other maps.</p>	<p>Explain the factors that affect urbanisation and assess the futures of megacities around the world.</p> <p>Locate Lagos and explain why it is important.</p> <p>Understand how urban industrial areas can be a stimulus for economic development.</p> <p>Assess how urban growth has created opportunities to reduce social inequalities in an LIC/NEE.</p> <p>Create and justify an urban development plan to combat the challenges of Lagos.</p> <p>Outline how Lagos is tackling the major social challenges of unemployment and crime.</p> <p>Assess how urban planning is improving the quality of life of the urban poor.</p>	<p>Explain the impact on an ecosystem when you change one component.</p> <p>Explain the links of interdependence between the soil, climate and vegetation within the tropical rainforest and hot deserts.</p> <p>Understand a range of animal and plant adaptations and how they link to biotic and abiotic factors.</p> <p>Explore the causes of deforestation.</p> <p>Assess the causes of deforestation and make links to biodiversity and the enhanced greenhouse effect.</p> <p>Assess how development in tropical rainforests creates economic advantages but at a cost to the environment.</p> <p>Rank and justify the greatest values of our</p>	<p>Justify the aim, location and risk assessment for our human and physical fieldwork.</p> <p>Justify our data collection methodologies.</p> <p>Present and analyse our data.</p> <p>Evaluate our results and conclusions so that we can confidently answer a GCSE Paper 3 9-mark question.</p> <p>Understand how to draw and extrapolate data from a range of sources.</p> <p>Use and interpret OS maps at a range of scales, including 1:50 000 and 1:25 000 and other maps.</p> <p>Identify major relief features on maps and relate cross-sectional drawings to relief features.</p> <p>Interpret cross sections and transects</p>

	<p>Statistics – Mean/Median/Mode.</p> <p>regarding Typhoon Haiyan.</p> <p>Recognise and describe distributions and patterns of both human and physical features.</p> <p>Use and interpret ground photos and maps.</p> <p>Label and annotate diagrams, maps, graphs, sketches and photos.</p> <p>Complete a variety of graphs and maps: choropleth.</p> <p>Demonstrate an understanding of number, area and scales, and the quantitative relationships between units.</p> <p>Draw informed conclusions from numerical data.</p>	<p>Numerical and statistical information.</p> <p>Use and understand coordinates – latitude and longitude.</p> <p>Use and interpret ground photos and maps.</p> <p>Use and interpret aerial photos and maps.</p> <p>Label and annotate diagrams, maps, graphs, sketches and photos.</p> <p>Demonstrate an understanding of number, area and scales, and the quantitative relationships.</p> <p>Draw informed conclusions from numerical data.</p>	<p>Explain why the UK's population is unevenly distributed.</p> <p>Describe the location of Portsmouth and give reasons why it is nationally and internationally important.</p> <p>Create a 9-mark response regarding the opportunities and challenges of Gunwharf Quays.</p> <p>Identify and explain the impact of urban sprawl on the rural-urban fringe of Portsmouth.</p> <p>Explain how urban sustainability requires management of resources and transport.</p> <p>Use and interpret OS maps at a range of scales, including 1:50 000 and 1:25 000 and other maps.</p> <p>Numerical and statistical information.</p> <p>Recognise and describe distributions and patterns of both human and physical features.</p> <p>Sketch maps: understand and interpret.</p>	<p>tropical rainforest biomes.</p> <p>Evaluate the most successful strategies to manage the rainforest sustainably.</p> <p>Assess the opportunities and challenges of the Thar Desert.</p> <p>Evaluate the most significant causes of desertification.</p> <p>Assess the most appropriate strategies to mitigate desertification in the Sahel region.</p> <p>Numerical and statistical information.</p> <p>Recognise and describe distributions and patterns of both human and physical features.</p> <p>Be able to compare maps.</p> <p>Use and interpret ground photos and maps.</p> <p>Use and interpret satellite photos and maps.</p> <p>Label and annotate diagrams, maps,</p>	<p>of physical and human landscapes.</p> <p>Recognise and describe distributions and patterns of both human and physical features.</p> <p>Be able to compare maps.</p> <p>Label and annotate diagrams, maps, graphs, sketches and photos, line charts, pie charts, isoline, dot maps, desire lines, proportional symbols and flow lines.</p> <p>Plot information on graphs when axes and scales are provided.</p> <p>Design fieldwork data collection sheets and collect data with an understanding of accuracy sample size and procedures, control groups and reliability.</p> <p>Statistics – Mean/Median/Mode be able to identify weaknesses in selective statistical presentation of data.</p>
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Assessments	End of Unit Assessment including coasts recap assessment	Modular assessment of hazards and tectonics	End of Unit Assessment: Hazards	End of Unit Assessment	End of Unit Assessment	<p>PPEs containing:</p> <ul style="list-style-type: none"> • Paper 1 – Hazards, Living World and Coasts • Paper 2 – Urban Issues and Resource management
Other Links (e.g. SMSC, FBV, Greener Curriculum)	GC) Link to fossil fuels in the Gannet Oil field, Dubai the Sustainable City and hydroelectric power in the remote Andes.	<p>(SMSC) Cultural connections with LICs after a natural hazard.</p> <p>(FGV) Who should receive aid?)</p> <p>(GC) How tropical storms and UK weather are becoming more extreme with climate change.</p> <p>(SMSC) Impacts and responses to hazards in other countries.</p>	<p>(GC) Understand how weather is becoming more extreme in the UK.</p> <p>(GC) human and natural causes of climate change.</p> <p>(GC) adapting and mitigation climate change.</p>	<p>(FBV) Corruption of governments</p> <p>(SMSC) Life in a slum.</p> <p>(FBV) Impact of migration.</p>	(SMSC) (GC) Assessing the positives and negative of deforestation.	(GC) Local impacts of climate change.