

# Year 10 Units of Work - GEOGRAPHY

Year 10	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
Unit of Work	Topic 2 Changing Climate Paper 1	Topic 2 Changing Climate Paper 1	Topic 7 UK in the 21 <sup>st</sup> Century Paper 2	Topic 7 UK in the 21 <sup>st</sup> Century Paper 2	Topic 3 Distinctive Landscapes Paper 1	Topic 3 Distinctive Landscapes Paper 1
<p>Curriculum Map (Links to OCR B 9-1 GCSE)</p> <p>AO1 Geographical Knowledge</p> <p>AO2 Geographical Understanding</p> <p>AO3 Application of knowledge and understanding</p>	<p><b>Evidence for climate change</b> What is the pattern of climate change over the past 450,000 years? (quaternary period)</p> <p>What evidence is there of climate change and how reliable is it? (ice cores, sea ice position, global temperature data, paintings &amp; diaries)</p> <p><b>Causes of climate change</b> What are the natural causes of climate change (sunspots, volcanic activity and Milankovitch cycles)</p> <p>How have humans enhanced the natural greenhouse effect?</p> <p><b>EXAMPLES of Global impacts of climate change</b> Explore some social, economic and environmental impacts of climate change linked to sea level rise and extreme weather events around the globe in the 21<sup>st</sup> century</p>	<p><b>EXAMPLES of UK impacts of climate change</b> Explore some social, economic and environmental impacts of climate change linked to weather patterns, seasonal changes and changes in industry in the UK in the 21<sup>st</sup> century</p> <p><b>Year 10 Human Fieldwork (Wadebridge)</b> Visit to Wadebridge to undertake human fieldwork to investigate own question: <i>Should all of Molesworth Street be pedestrianised?</i></p> <p>Follow up to fieldwork to include all of enquiry process (methods, processing and presenting, analysis, conclusion, reflecting critically)</p> <p><b>Year 10 Exam Preparation</b> 4 or 5 Lessons preparation for the Y10 exam in lessons including production of knowledge organisers/glossary/mind-maps and cue cards - revise topics 1, 2, 5, 8</p>	<p><b>Year 10 Exam Week</b> Topics 1,2,5,8 practice paper</p> <p><b>Overview of the Physical and Human Geography of the UK</b> What is the pattern of rainfall? What is the pattern of relief? What is the pattern of population density? Which areas have water stress + why? Which areas have housing shortages + why?</p> <p><b>Population changes in UK in 21<sup>st</sup> Century</b> Where is the UK on the Demographic Transition Model today? How has total population changed? Why has the total population changed? (natural change and impacts of migration) What are the causes, effects, spatial distribution and responses to the UK's ageing population?</p> <p><b>EXAMPLE of how the population of one named place has changed - London</b> Explore the changing age structure in London since the start of the 21<sup>st</sup> Century Explore the change in ethnic diversity in London since the start of the 21<sup>st</sup> Century</p>	<p><b>Economic changes in UK in 21<sup>st</sup> Century</b> How can you classify employment? How has employment structure changed? How have working hours changed? How has the economy changed and why? (link to Government priorities)</p> <p><b>Economic Hubs</b> What are economic hubs? What is the pattern of economic hubs across the UK?</p> <p><b>EXAMPLE of how one UK economic hub has changed - London east end</b> Explore the changing economy of the East end of London during the 21<sup>st</sup> century</p> <p><b>The UK's global significance</b> <b>EXAMPLE of the UK's political role in one conflict - Russia/Ukraine conflict</b> Explore the UK's role in the Russia Ukraine conflict through its membership of International Global Organisations</p> <p><b>EXAMPLE of UK Media exports</b> Explore how the UK's TV and Film industry has spread its culture globally</p> <p><b>EXAMPLE of changing UK Food culture</b> Explore how the UK's food culture has been changed due ethnic groups</p>	<p><b>Landscapes</b> What is a landscape (natural and built) UK Landscapes (upland, lowland and glacial) - distribution and characteristics</p> <p><b>River Landscapes</b> What geomorphic processes shape river landscapes? (Erosion, weathering, mass movement, transportation and deposition) How are different river landforms created? (waterfall, gorge, v shaped valley, floodplain, levee, meander, oxbow lake)</p> <p><b>CASE STUDY of a river basin The River Seven</b></p> <ul style="list-style-type: none"> <li>Distinctive landforms &amp; processes</li> <li>Influence of geology and climate</li> <li>Human activity and impact on landscape and processes (river management strategies to reduce flooding and human activities that increase the risk of flooding)</li> </ul> <p><b>River fieldwork skills (link back to Y7 fieldwork)</b> Does Bradshaw's model apply to the river Camel? (width, depth, cross-sectional area, velocity, sediment size variation downstream)</p> <p><b>Geographical Skills Recap</b> Using OS maps, photos and GIS</p>	<p><b>Coastal Landscapes</b> What geomorphic processes shape coastal landscapes? (Types of erosion, weathering, mass movement, transportation and deposition) How are different coastal landforms created? (headlands, bays, cove, arch, stack, stump, cliffs, wave-cut platforms, beach, spit)</p> <p><b>Physical Fieldwork visit and follow up</b> Visit to Westward Ho! to undertake physical fieldwork to investigate own question: <i>Is longshore drift happening at Westward Ho!? as well as study a coastal landscape</i></p> <p><b>CASE STUDY of a coastal landscape North Devon Coast near Westward Ho!</b></p> <ul style="list-style-type: none"> <li>Distinctive landforms &amp; processes</li> <li>Influence of geology and climate</li> <li>Human activity and impact on landscape and processes (hard engineering, soft engineering, hold the line, managed retreat, no active intervention, land use)</li> </ul>
AO4 Geographical Skills (Plus DNA Activities)	Line graphs Satellite images Pie charts Cartoons Choropleth maps Extrapolate trends on graphs Identify weaknesses, strengths, bias Thematic maps	Fieldwork Enquiry and data collection Sampling Strategies Mean, mode, percentages, Line graphs Divided Bar charts Flow Line Maps Bi-Polar graphs Photo annotation OS maps Satellite maps	Interpreting UK thematic maps Choropleth maps Pictograms Line graphs Data tables Divided bar charts Population pyramids Ratio	Formulating an enquiry (UK food) Pie charts Bar graphs Atlas maps of Europe Analysing news articles and text Economic data Old and new photos Mode + Modal Class	OS maps - Scale, Grid references, using key Orientating photos to maps GIS layers Interpreting data Mean, mode, modal class, median Calculating percentages Vertical bar graphs Radial graphs Stages of enquiry (human/physical fieldwork) Cross sections (river) Line graphs Scatter graphs and line of best fit Calculating velocity	Photo interpretation OS maps - particularly contour lines Climate graphs Geology maps Photo annotation Interpreting diagrams OS maps Geology Map Satellite images Thematic maps of UK Climate graphs
Assessments	Topic 2 -Assessment 1(11 marks)	End of Topic 2 Test (13 marks - 15 minutes)	<b>Year 10 Exam</b> - Topics 1, 2, 5, 8 (52 marks - 1 hour)  Topic 7 - Assessment 1 (8 marks)	End of Topic 7 Test (13 marks - 15 minutes)	End of Topic Test 3 - Part 1	End of Topic Test 3 - Part 2
Home Learning Opportunities	(Seneca and Google Quizzes) Preparation for end of topic test - creation of revision materials	(Seneca and Google Quizzes) Preparation for Y10 exam - creation of revision materials	(Seneca and Google Quizzes) Preparation for Topic 7 Assessment 1	(Seneca and Google Quizzes) Preparation for end of topic test - creation of revision materials	(Seneca and Google Quizzes) Preparation for end of Topic Test Part 1	(Seneca and Google Quizzes) Preparation for end of Topic Test Part 2