

Curriculum Map: Geography Year 10

	The Living World	Changing Economic World	Geographical Applications
<p>Content Declarative knowledge 'I Know'</p>	<p>What an ecosystem is</p> <p>What biotic and abiotic factors are</p> <p>The different role within an ecosystem (producers, consumers, decomposers etc)</p> <p>How energy is passed through a freshwater pond food chain</p> <p>The distribution and characteristics of large scale natural global ecosystems (biomes)</p> <p>The physical characteristics of a tropical rainforest</p> <p>Reasons for the changing rates of global deforestation</p> <p>The adaptations of plants and animals in the rainforests</p> <p>How rainforests are used by humans</p> <p>The threats to the rainforest</p> <p>How rainforests can be managed sustainably</p> <p>The physical characteristics of a hot desert</p> <p>The adaptations of plants and animals in hot deserts</p> <p>How hot deserts are used by humans</p> <p>How hot deserts are at risk of desertification</p>	<p>How to classify countries according to levels of economic development and quality of life</p> <p>What development means</p> <p>How birth and death rates, infant mortality, life expectancy, people per doctor, literacy rates and access to safe water to measure development link to development</p> <p>What a Demographic Transition Model shows</p> <p>What a population pyramid shows</p> <p>What the development gap is</p> <p>The consequences of uneven development</p> <p>The political, social, cultural, and environmental characteristics of Nigeria</p> <p>Why aid is received by Nigeria</p> <p>The changes to the UK economy in recent years</p> <p>What a 'post-industrial economy' is</p> <p>The changes in the UK moving towards a 'post-industrial economy'</p> <p>How industrial development can be more environmentally sustainable</p> <p>The social and economic changes in a rural area with population growth</p> <p>The social and economic changes in a rural area with population decline</p>	<p>What primary data is</p> <p>What secondary data is</p> <p>What makes a suitable location for a geographical investigation</p> <p>What a hypothesis is</p> <p>What a risk assessment is</p> <p>What a methodology is</p> <p>What data presentation is</p> <p>What measures of central tendency are</p> <p>What a statistical test is</p> <p>What data analysis is</p> <p>What a conclusion is</p> <p>What an evaluation is</p>

		<p>What the 'north-south' divide is and why it exists</p> <p>How the UK links with the wider world through trade, culture, transport and electronic communication</p> <p>The economic and political links between the UK and European Union and the Commonwealth</p>	
<p>Skills</p> <p>Procedural</p> <p>Knowledge</p> <p>'I know how to'</p>	<p>Explain how nutrients are cycled within an ecosystem</p> <p>Explain the interrelationships between plants and animals in a freshwater pond food web</p> <p>Explain how natural and human factors can change a freshwater pond ecosystem</p> <p>Explain and evaluate how plants and animals adapt to the physical conditions in a tropical rainforest</p> <p>Explain and evaluate the causes of deforestation in Malaysia</p> <p>Evaluate the impacts of deforestation in Malaysia</p> <p>Evaluate how rainforests can be managed sustainably</p> <p>Explain how plants and animals adapt to the physical conditions in a hot desert</p> <p>Assess the development opportunities in the Thar Desert</p> <p>Evaluate the challenges for development in the Thar desert</p> <p>Assess the causes of desertification</p> <p>Evaluate the strategies used to reduce the risk of desertification</p>	<p>Evaluate data in helping to shape understanding of development and quality of life</p> <p>Explain the use of different variables in demonstrating standard of living and economic development</p> <p>Analyse the links between stages of the Demographic Transition Model</p> <p>Explain the causes of uneven development (physical, economic, historical)</p> <p>Explain different methods of reducing the development gap</p> <p>Evaluate the impact of tourism in reducing the development gap in Jamaica</p> <p>Explain how Nigeria's political and trading relationships with the wider world have changed</p> <p>Explain how Nigeria's industrial structure is changing and how the manufacturing industry is affecting economic development</p> <p>Evaluate the impact of TNCs in Nigeria</p> <p>Explain how economic development has affected the quality of life in Nigeria.</p> <p>Explain the impacts of industry in the UK on the environment</p>	<p>Recognise and describe distributions and patterns of both human and physical features on an atlas map</p> <p>Use and understand OS maps at a range of scales, including 1:50 000 and 1:25 000 I can use and understand coordinates including latitude and longitude and four and six-figure grid references</p> <p>Understand and calculate scale, distance and direction on a map</p> <p>Use and understand gradient, contour and spot height on a map</p> <p>Identify basic physical and human features and describe their characteristics from map evidence</p> <p>Draw, label, understand and interpret sketch maps</p> <p>Use and understand ground, aerial and satellite photographs</p> <p>Use and understand a variety of maps including choropleth, isoline, dot maps, desire lines, proportional symbols and flow lines</p> <p>Use and understand line charts, bar charts and pie charts</p> <p>Use and understand pictograms and histograms</p> <p>Use and understand divided bar graphs, scattergraphs, and population pyramids</p>

		<p>Explain the development in transportation (South-west superhighway/Crossrail/ Liverpool2/Heathrow)</p> <p>Assess the strategies used to resolve regional differences in the UK</p>	<p>Use and understand dispersion graphs</p> <p>Plot information on graphs when axes and scales are provided</p> <p>Suggest the best graph to represent different types of data</p> <p>Understand and correctly use proportion and ratios</p> <p>Calculate and interpret measures of central tendency (mean, median, mode, range, quartiles and interquartile range, mode, modal class)</p> <p>Calculate percentage increase or decrease and understand the use of percentiles</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 - Perspectives - Interactions - Sustainability - Skills 	<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 - Skills 	<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 - Skills
<p>Key Questions</p>	<p>Place: Where are the world's major biomes?</p> <p>Processes: How is energy passed through a food chain?</p> <p>Perspectives: What is the value of the tropical rainforest to people?</p> <p>Interactions: How can people use hot deserts for economic opportunity?</p> <p>Sustainability: How can we manage deforestation in the tropical rainforest?</p>	<p>Place: Which parts of the world are less developed than others?</p> <p>Processes: How does a countries economy change over time?</p> <p>Perspectives: How does development affect quality of life?</p> <p>Interactions: How do links between countries and places help to improve the global economy?</p> <p>Sustainability: How can poorer countries build a sustainable economy?</p>	<p>Place: What makes a place suitable for a geographical investigation?</p> <p>Processes: How is a geographical investigation carried out?</p> <p>Perspectives: How might data be subjective?</p> <p>Interactions: How do physical and human geography link together?</p> <p>Sustainability: What are the ethical considerations when undertaking a geographical investigation?</p>

	Skills: Which cartographic, graphical and analytical skills can help to deepen our understanding of this topic?	Skills: Which cartographic, graphical and analytical skills can help to deepen our understanding of this topic?	Skills: Which cartographic, graphical and analytical skills can help to deepen our understanding of this topic?
Assessment topics	GCSE exam style assessment (past paper)	GCSE exam style assessment (past paper)	GCSE exam style assessment (past paper)
Cross curricular links/Character Education	Development of analytical and evaluative skills Development of critical thinking skills	Development of analytical and evaluative skills Development of critical thinking skills	Development of analytical and evaluative skills Development of critical thinking skills