

Beamont Collegiate Academy Curriculum Map



Year: 10

Subject: Geography

Intent	Implementation	Autumn	Spring	Summer
Clarity around knowledge	Theme / topic	Urbanisation	The Challenge of Natural Hazards	The Living World
	Key substantive knowledge	<ul style="list-style-type: none"> - Urbanisation, its causes, global trends, opportunities and challenges - Lagos urban growth, opportunities, challenges and possible solutions - UK cities and their typical structure and geographical situations - Liverpool historical significance, evolution of character, opportunities, challenges and possible solutions - Sustainable urban management in the face of growing issues of waste, traffic and resource management. 	<ul style="list-style-type: none"> - Vulnerability and Risk of Hazards - Tectonic Hazards of volcanoes, earthquakes and tsunamis regarding their causes, impacts, effects, responses and subsequent living with these hazards by countries of different development stages. - Focus on the events of Nepal 2015, New Zealand 2016. - Meteorological Hazards of Tropical Storms, Flooding and Extreme Weather as brought on by Climate Change, looking at their formation, lifecycle, impacts, effects and responses by countries of different development stages. - Focus on UK Somerset Levels flooding Winter 2013-14 - Climate Change and its evidence, causes, effects and potential management via mitigation and adaptation strategies. 	<ul style="list-style-type: none"> - Nature and anatomy of an ecosystem in both small scale and biome sized ecosystems. - Tropical Rainforests and their location, climate, biodiversity, interdependence, adaptations, human exploitation, consequent damage, contribution to climate change and potential sustainable management as influenced by countries of differing developmental stage. - Focus on the Amazon rainforest regarding the above. - Cold Environments regarding tundra and polar ecosystems and their location, climate, biodiversity, interdependence, adaptations, human exploitation, consequent damage, contribution to climate change and potential sustainable management as influenced by countries of differing developmental stage. - Focus on the Alaskan tundra regarding the above.
	Disciplinary knowledge	<ul style="list-style-type: none"> - Maps for location, height and comparing data. - Using data to draw conclusions. 	<ul style="list-style-type: none"> - Maps for location, height and comparing data. - Using data to draw conclusions. 	<ul style="list-style-type: none"> - Maps for location, height, land use and comparing data. - Using data to draw conclusions.

		<ul style="list-style-type: none"> - Data manipulation. - Data critical assessment. 	<ul style="list-style-type: none"> - Data manipulation. - Data critical assessment. 	<ul style="list-style-type: none"> - Photo/Resource analysis - Cross-topic knowledge synthesis
Clarity around sequencing	Main links across the curriculum	<p>Geomorphology: Y11 Spring, Landscapes Development: Y7 Autumn, India NEE status – Y9 Spring, Suez Canal impacts Resource Management: Y7 Autumn, India resource use – Y9 Autumn, US resource sustainability Ecosystems: Y7 Summer, Aquatic ecosystems – Y9 Summer, African Savannah Climate: Y7 Summer, Climate change – Y9 Autumn, US management of climate hazards</p>	<p>Geomorphology: Y11 Spring, Landscapes Supply of Resources: Y9 Spring, Mediterranean trade Weather: Y7 Spring, Warrington Rain Urbanisation: Y7 Autumn, Mumbai pollution from urbanisation Climate: Y7 Summer, Effects of climate change – Y9 Spring, Climate change effects in Mediterranean</p>	<p>Geomorphology: Y11 Spring, Landscapes Weather: Y7 Spring, Warrington Rain Urbanisation: Y7 Autumn, Mumbai pollution from urbanisation Tectonics: Y7 Summer, Ring of Fire Development: Y9 Autumn, US wealth acquisition Ecosystems: Y7 Summer, Features of aquatic ecosystems</p>
	Authentic cross curricular links	<p>History – Development of UK from Industrial Revolution Engineering – Sustainable solutions to resource management Business and Economics – Industrial development Mathematics – Unit conversion and data comparison Science – Food webs and greenhouse effect</p>	<p>Ancient History – Rise and Fall of civilisations in Mediterranean Engineering – Large scale projects to meet growing demand for resources. Geology – The impact of erosion rate and direction on settlement locations Geoengineering – Using natural environmental solutions to solve modern urban issues</p>	<p>History – African Slave trade with Spain Business and Economics – Physical constraints on industrial opportunity Science – Environmental opportunity for unique scientific research. <ul style="list-style-type: none"> - Ecosystem interdependence and adaptation. </p>
Vocabulary	Key words	<p>Altitude Erosion Temperate Renewable Sustainable Economic</p>	<p>Meander Enhanced (Greenhouse Effect) Irrigation Hydroelectricity Overpopulation</p>	<p>Latitude Interdependent Exploitation Accessibility Quaternary Convection (Current)</p>
Assessment	Summative assessment	<ol style="list-style-type: none"> 1. Explain why erosion is a problem for a seaside hotel. 2. Explain how a fox has adapted to temperate climates. 3. Explain why climate change will cause a problem for fauna in ecosystems. 4. Explain how and why the source of the UK's energy has 	<ol style="list-style-type: none"> 1. Explain how different sources contribute to the greenhouse effect. 2. Using figures 1 and 2, assess if this statement, "China is contributing to climate change", is correct. 3. Explain how China's economy has benefitted from The Yangtze River. 	<ol style="list-style-type: none"> 1. Explain why the people of South America chose to settle where is visible in the figure. 2. Explain why a country of your choice will develop the fastest and its potential challenges.

		<p>changed between 2014 and 2018.</p> <p>5. Compare the environmental impacts of the UK importing food and growing it.</p>		
<p>Links to the real world / careers / PD</p>		<p>Careers - growth of sustainable strategies/technology.</p> <ul style="list-style-type: none"> - Emphasis on Tertiary Industrial opportunities. <p>Real World - managing resources and the need for future proof design solutions.</p> <p>PD – Appreciation of UK citizen opportunities and global inequality.</p> <ul style="list-style-type: none"> - Awareness of future challenge considerations such as climate. 	<p>Careers – increase in large scale engineering projects to meet rising resource demand.</p> <p>Real World – Scope of global resource demand.</p> <p>PD – Awareness of environmental requirement to be more conscious of GHG emissions.</p>	<p>Careers – environmental considerations for business opportunity</p> <ul style="list-style-type: none"> - Environmental management <p>Real World – Scope of physical influence on human development</p> <p>PD – Awareness of environmental damage for economic gain.</p> <ul style="list-style-type: none"> - S. American cultural awareness