



Intent	Implementation	Autumn	Spring	Summer
Clarity around knowledge	Theme / topic	The UK	World Rivers Danube & Yangtze	South America
	Key substantive knowledge	<ul style="list-style-type: none"> - The geomorphic processes that change the UK's shape. - The nature of UK ecosystems and links to the UK's climate. - The UK's management of resources. - The sustainability of the UK's management of resources. - The UK's development and status as an HIC. - The UK's proximity to tectonic, geological change. 	<ul style="list-style-type: none"> - Geomorphic influence of rivers on host country topography. - Economic influence of rivers on host country. - Subsequent issues based on host country river usage. - Influence of precipitation on river landforms and risk. - Urban issues created from host country river usage. - Global impact of host country river usage. 	<ul style="list-style-type: none"> - Geomorphic processes that form Angel Falls and shape the coast. - Physical factors dictating human settlement and land use. - Climate zone influence on ecosystem presence. - Presence of equatorial climate to dictate rainforest growth. - Human factors on social and economic development. - 1960 Chile Earthquake.
Clarity around sequencing	Disciplinary knowledge	<ul style="list-style-type: none"> - Maps for location, height and comparing data. - Using data to draw conclusions. - Data manipulation. - Data critical assessment. 	<ul style="list-style-type: none"> - Maps for location, height and comparing data. - Using data to draw conclusions. - Data manipulation. - Data critical assessment. 	<ul style="list-style-type: none"> - Maps for location, height, land use and comparing data. - Using data to draw conclusions. - Photo/Resource analysis - Cross-topic knowledge synthesis
	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>
Vocabulary	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. - Ecosystem interdependence and adaptation.</p>
	Key words	Altitude Erosion Temperate Renewable Sustainable Economic	Meander Enhanced (Greenhouse Effect) Irrigation Hydroelectricity Overpopulation	Latitude Interdependent Exploitation Accessibility Quaternary Convection (Current)
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 changed between 2014 and 2018. 5. Compare the environmental impacts of the UK importing food and growing it. 	<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.
Links to the real world / careers / PD		<p>Careers - growth of sustainable strategies/technology. - Emphasis on Tertiary Industrial opportunities. Real World - managing resources and the need for future proof design solutions. PD – Appreciation of UK citizen opportunities and global inequality. - Awareness of future challenge considerations such as climate.</p>	<p>Careers – increase in large scale engineering projects to meet rising resource demand. Real World – Scope of global resource demand. PD – Awareness of environmental requirement to be more conscious of GHG emissions.</p>	<p>Careers – environmental considerations for business opportunity - Environmental management Real World – Scope of physical influence on human development PD – Awareness of environmental damage for economic gain. - S. American cultural awareness</p>