

Co-op Academy North Manchester - Year 10 Geography Curriculum

Geography	HT1	HT2	HT3	HT4	HT5	HT6
Topic(s)	Natural Hazards	Natural Hazards	Living World	Living World	Coasts	Rivers
Knowledge	<p>Plate tectonics theory</p> <p>Global distribution of earthquakes and volcanic eruptions and their relationship to plate margins</p> <p>Physical processes taking place at different types of plate margin (constructive, destructive and conservative) that lead to earthquakes and volcanic activity</p> <p>The effects of, and responses to, a tectonic hazard vary between areas of contrasting levels of wealth</p> <p>Primary and secondary effects of a tectonic hazard</p> <p>Immediate and long-term responses to a tectonic hazard</p>	<p>Global atmospheric circulation helps to determine patterns of weather and climate</p> <p>Tropical storms (hurricanes, cyclones, typhoons) develop as a result of particular physical conditions</p> <p>Tropical storms have significant effects on people and the environment</p> <p>The UK is affected by a number of weather hazards</p> <p>Extreme weather events in the UK have impacts on human activity</p> <p>Evidence for climate change from the beginning of the Quaternary period to the present day</p> <p>Possible causes of</p>	<p>Ecosystems exist at a range of scales and involve the interaction between biotic and abiotic components.</p> <p>Tropical rainforest ecosystems have a range of distinctive characteristics</p> <p>Deforestation has economic and environmental impacts</p> <p>Tropical rainforests need to be managed to be sustainable</p> <p>A case study (Amazon Rainforest) of a tropical rainforest to illustrate:</p> <p>causes of deforestation: subsistence and commercial farming, logging, road building, mineral extraction, energy development, settlement, population growth</p> <p>impacts of deforestation</p>	<p>The physical characteristics of a cold environment.</p> <p>The interdependence of climate, permafrost, soils, plants, animals and people.</p> <p>How plants and animals adapt to the physical conditions.</p> <p>Issues related to biodiversity</p> <p>Case study of a cold environment to illustrate (Svalbard):</p> <p>development opportunities in cold environments: mineral extraction, energy, fishing and tourism</p> <p>challenges of developing cold environments: extreme temperature, inaccessibility, provision of buildings and infrastructure</p> <p>The value of cold environments as wilderness areas and</p>	<p>Wave types and characteristics.</p> <p>Coastal processes; Weathering, mass movement, erosion, transportation, deposition</p> <p>Distinctive coastal landforms are the result of rock type, structure and physical processes</p>	<p>The long profile and changing cross profile of a river and its valley.</p> <p>Fluvial processes: Erosion, lateral erosion, transportation, deposition</p> <p>Distinctive fluvial landforms result from different physical processes.</p> <p>Characteristics and formation of landforms resulting from erosion, such as, interlocking spurs, waterfalls and gorges.</p>

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CEAIG	Risk Analyst	Armed services	Carpenter	Offshore rigger	Civil engineer	Ecologist
How to help at home	<p>Speak with pupils about their work and encourage them to show you their work and talk you through what they have produced</p> <p>Encourage pupils to regularly review work using textbook and exercise book</p>	<p>Create a knowledge wall with key pieces of information</p>	<p>Speak with pupils about their work and encourage them to show you their work and talk you through what they have produced</p> <p>Encourage pupils to regularly review work using textbook and exercise book</p>	<p>Create a knowledge wall with key pieces of information</p>	<p>Speak with pupils about their work and encourage them to show you their work and talk you through what they have produced</p> <p>Encourage pupils to regularly review work using textbook and exercise book</p>	<p>Create a knowledge wall with key pieces of information</p>
Wider Reading	Ghosts of the Tsunami: Death and Life in Japan	When the Rivers Run Dry: Water- The Defining Crisis of the Twenty-First Century	The Planet Remade: How Geoengineering Could Change the World	Factfulness: Ten Reasons We're Wrong About the World- And Why Things Are Better Than You Think	Coastlines: The Story of Our Shore	Journey to the River Sea