

St Mary's CE High School Curriculum Map 2023-24

Year 11 Geography

Geography aims to grapple with and understand some of the big world issues, both human and physical



	Autumn 1a Global Hazards	Autumn 1b Resource Reliance	Spring 2a Sustaining Ecosystems	Spring 2b Geographical Exploration	Summer 3a Exam skills and Practice
CONTENT <i>Declarative / core / powerful Knowledge – 'Know What'</i>	<ul style="list-style-type: none"> • The global circulation system and its impacts on the climate and extreme weather • Global locations of extreme weather • Distribution and frequency of tropical storms and drought • Causes of tropical storms • Causes of El Nino/La Nina leading to drought • Case study of drought in California • Case study of flash flooding in Cumbria • The structure of the earth and the tectonic processes at plate boundaries • Causes and processes of earthquakes and volcanoes • Case study of Nepal earthquake • How technology helps mitigate against earthquakes 	<ul style="list-style-type: none"> • The factors leading to demand outstripping supply of food, energy and water • How environments and ecosystems are used and modified by humans • 'Food security' and the human and physical factors which influence this. • World patterns of access to food, such as the world hunger index and average daily calorie consumption. • The differences between Malthusian and Boserupian theories about the relationship between population and food supply. • Case study of food security in Tanzania • The environmental, economic and social sustainability of attempts to achieve food security eg ethical consumerism and technological development 	<ul style="list-style-type: none"> • An ecosystem is the interdependence of climate, soil, water, plants and animals • The global distribution of polar regions, coral reefs, grasslands, temperate forests, tropical forests and hot deserts and their flora and fauna • The distinctive characteristics of a tropical rainforest ecosystem, including the climate, nutrient cycle, soil profile and water cycle. • The interdependence of climate, soil, water, plants, animals and human activity in tropical rainforests. • The value of tropical rainforests and their goods and services. • Human impacts in the tropical rainforest from activities such as logging, mineral extraction, agriculture and tourism. • Case study on the Crocker Range Tropical Rainforest • The distinctive characteristics of Antarctica and the Arctic, including climate, features of the land and sea, flora and fauna. • The interdependence of climate, soil, water, plants, animals and human activity in the Arctic polar region. 	<p>The assessment of this component will be fully synoptic in nature and will draw on both the Our Natural World 01 and People and Society 02 components.</p> <p>The synoptic nature of bringing together ideas from different topics will allow learners to 'think like a geographer'.</p>	<p>Students will practise exam skills ready for their final exams.</p>

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			<ul style="list-style-type: none"> • Impacts of human activity on the Arctic ecosystems, such as scientific research, indigenous people, tourism, fishing, whaling and mineral exploitation. • Case study of Baffin Island marine wildlife sanctuary • Case study of the Antarctic treaty 		
Skills	<p>Cartographic skills and Atlases, Geographical Information Systems (GIS), Empathy, Numerical: Data analysis and Data presentation, Geographical enquiry, Decision making, Fieldwork.</p> <p>Deconstruct, interpret, analyse and evaluate visual images including photographs, cartoons, pictures and diagrams.</p> <p>Analyse written articles from a variety of sources for understanding, interpretation and recognition of bias.</p> <p>Suggest improvements to, issues with or reasons for using maps, graphs, statistical techniques and visual sources, such as photographs and diagrams.</p>				
Key Questions	<ul style="list-style-type: none"> • How can weather be hazardous? • Why do we have weather extremes? • When does extreme weather become a hazard? • What processes occur at plate boundaries? • How can tectonic movement be hazardous? • How does technology have the potential to save lives in hazard zones? 	<ul style="list-style-type: none"> • Will we run out of natural resources? • How has increasing demand for resources affected our planet? • Can we feed nine billion people by 2050? • What does it mean to be food secure? • How can countries ensure their food security? • How sustainable are these strategies? 	<ul style="list-style-type: none"> • Why are natural ecosystems important? • What are ecosystems? • Why should tropical rainforests matter to us? • What biodiversity exists in tropical rainforests? • Why are tropical rainforests being 'exploited' and how can this be managed sustainably? • Is there more to polar environments than ice? • What is it like in Antarctica and the Arctic? • How are humans seeking a sustainable solution for polar environments? 		
Assessment	Past paper exam questions based on the content of this unit and all previous units. (Multiple choice, short answer and extended writing)	Past paper exam questions based on the content of this unit and all previous units. (Multiple choice, short answer and extended writing)	Past paper exam questions based on the content of this unit and all previous units. (Multiple choice, short answer and extended writing)	Past paper exam questions based on the content of this unit and all previous units. (Multiple choice, short answer and extended writing)	Final GCSE exams