



# Middlewich High School

Fieldwork- Geographical Skills and Applications

# Geography Department

Physical Landscapes, Processes and Hazard



# 5- Year Curriculum Map

Environmental- Climate and Biomes

Human Challenges (urban and economic)

Resource Management

<b>Year 7</b>	Our Place in the World (interpreting maps)  <i>How do geographers use maps to better understand our world?</i>	Population and Migration  <i>Why is the world population unevenly distributed?</i>  <i>Why do people migrate?</i>	Globalisation  <i>Is our world 'shrinking' due to technology and trade?</i>	UK Landscapes  <i>What forces shape our land?</i>	Rivers and flooding  <i>How do rivers shape our landscape?</i>  <i>How can we manage the risks of flooding?</i>	Fieldwork  <i>Is MHS at risk of flooding?</i>
<b>Year 8</b>	Weather and Climate Change  <i>How does weather impact our lives?</i>  <i>How do we respond to a changing climate?</i>	World Cities  <i>How are the world's largest cities preparing for the future?</i>	Fieldwork  <i>Does MHS have a microclimate?</i>	Life on Earth  <i>How do interactions between living things and their environments shape life on Earth?</i>	Managing our resources  <i>How do we ensure enough water, food and energy for all?</i>	Prisoners of Geography Russia  <i>How can physical geography influence the human world?</i>
<b>Year 9</b>	Our Blue Planet  <i>Why is ocean health important to people and planet?</i>	Fieldwork  <i>Is MHS a Sustainable School? Part 1</i>	Tectonic Hazards  <i>How does the Earth's internal structure create natural hazards?</i>	Coasts  <i>How does the sea, land and wind shape our coastlines?</i>	A Unequal Planet  <i>Why do some have more whilst others have less?</i>	Fieldwork  <i>Is MHS a Sustainable School? Part 2</i>

<b>Year 10</b> AQA	Natural Hazards: Tectonic Hazards	The Changing Economic World: The Development Gap	The Living World: Ecosystems and Tropical Rainforests	The Changing Economic World: Nigeria, A Newly Emerging Country.	The Challenges of Resource Management Energy	UK Landscapes: River Landscapes in the UK	Physical Fieldwork: <i>How do rivers change along their long course profile?</i>	
<b>Year 11</b> AQA	Urban issues and Challenges: Rio de Janeiro	Urban issues and Challenges: Bristol and Freiburg	Human Fieldwork: <i>What impact has urban regeneration had upon Salford Quays?</i>	Natural Hazards: Weather Hazards and Climate Change	The Living World: Hot Desert Environments	The Changing Economic World: The UK Economy	UK Landscapes: Coastal Landscapes in the UK	Issue Evaluation: Pre Release Case Study

# Middlewich High School Geography Department – 5-Year Curriculum Map

Y7	<p><b>Our Place in the World (interpreting maps)</b> How do geographers use maps to better understand our world?</p> <p><b>Knowledge:</b> Understanding of physical and human geography, including how people shape and influence places.</p> <p><b>Skills:</b> Map skills such as using grid references, interpreting height and shape, and understanding scale.</p>	<p><b>Population and Migration</b> Why is the world population unevenly distributed? Why do people migrate?</p> <p><b>Knowledge:</b> Understanding global population distribution, factors influencing population, effects of wealth and development, and concept and examples of migration.</p> <p><b>Skills:</b> Analysing data to interpret population changes and migration patterns.</p>	<p><b>Globalisation</b> Is our world 'shrinking' due to technology and trade?</p> <p><b>Knowledge:</b> Understanding how globalisation connects people, places and economies. Understand the role of technology, communication, production, and consumption.</p> <p><b>Skills:</b> Looking at real-world case studies and understanding how communities are connected globally.</p>	<p><b>UK Landscapes</b> What forces shape our land?</p> <p><b>Knowledge:</b> Understanding the UK's diverse landscapes, geological variation, and natural processes and forces shaping landscapes (ice, water, wind).</p> <p><b>Skills:</b> Landscape formation, interpreting geological features, and explaining the effects of natural processes on different terrains.</p>	<p><b>Rivers and flooding</b> How do rivers shape our landscape? How can we manage the risks of flooding?</p> <p><b>Knowledge:</b> Understanding drainage basins, the water cycle, river processes (erosion, transportation, deposition), fluvial landforms, flood risks, and management strategies.</p> <p><b>Skills:</b> Identify how rivers change downstream, evaluating flood mitigation, applying map reading, and using geographic knowledge to make informed planning decisions.</p>	<p><b>Fieldwork:</b> Is MHS at risk of flooding?</p> <p><b>Knowledge:</b> Understanding the purpose of geographical investigations, data collection and analysis, risk management, and the presentation of findings.</p> <p><b>Skills:</b> Crafting enquiry questions, conducting safe fieldwork, analysing data, evaluating methods, and making evidence-based recommendations.</p>
Y8	<p><b>Weather and Climate Change</b> How does weather impact our lives? How do we respond to a changing climate?</p> <p><b>Knowledge:</b> Weather vs. climate, UK weather patterns, extreme events and the impacts and responses to climate change.</p> <p><b>Skills:</b> Measuring weather data, interpreting patterns, and evaluating climate change strategies.</p>	<p><b>World Cities</b> How are the world's largest cities preparing for the future?</p> <p><b>Knowledge:</b> Global urban growth, megacities, rural-to-urban migration, urban challenges, and factors affecting city sustainability.</p> <p><b>Skills:</b> Urban locations, evaluating urban challenges, and assessing strategies for sustainable city development.</p>	<p><b>Fieldwork:</b> Does MHS have a microclimate?</p> <p><b>Knowledge:</b> Purpose of geographical investigations, data collection and analysis, and presentation of findings.</p> <p><b>Skills:</b> Crafting enquiry questions, conducting investigations, data, and applying findings to real-world case studies.</p>	<p><b>Life on Earth:</b> How do interactions between living things and their environments shape life on Earth?</p> <p><b>Knowledge:</b> Ecosystem interconnections, human impacts on the environment, sustainability, global food systems, and conservation.</p> <p><b>Skills:</b> Systems thinking, evaluating sustainability practices, and assessing conservation strategies.</p>	<p><b>Managing our resources</b> How do we ensure enough water, food and energy for all?</p> <p><b>Knowledge:</b> Understanding UK resources (water, food, energy), their social and economic importance, and environmental impacts.</p> <p><b>Skills:</b> Evaluating resource use and assessing environmental consequences.</p>	<p><b>Prisoners of Geography</b> <b>Russia</b> How can physical geography influence the human world?</p> <p><b>Knowledge:</b> How physical features (mountains, rivers, climate, resources) influence development, population, trade, and global interactions.</p> <p><b>Skills:</b> Applying geographical concepts through mapwork, data interpretation, and enquiry-based analysis.</p>

Y9	Global Issues: Tackling the World's Biggest Challenges	Fieldwork	Tectonic Hazards	Coasts	A Unequal Planet	Fieldwork
		Is MHS a Sustainable School? Part 1	How does the Earth's internal structure create natural hazards?	How does the sea, land and wind shape our coastlines?	Why do some have more whilst others have less?	Is MHS a Sustainable School? Part 2
	<p><b>Knowledge:</b> Ocean's role in climate regulation, biodiversity, human livelihoods, and the threats they face.</p> <p><b>Skills:</b> Systems thinking, evaluating strategies for sustainable ocean management.</p>	<p><b>Knowledge:</b> Purpose of geographical investigations, data collection and analysis, risk management, and professional presentation.</p> <p><b>Skills:</b> Crafting enquiry questions, conducting safe fieldwork, data, and evaluating sustainability in real-world contexts.</p>	<p><b>Knowledge:</b> Tectonic theory, plate boundary processes, tectonic hazards, and factors influencing hazard impacts (location and wealth).</p> <p><b>Skills:</b> Interpreting hazard scale and impact data, evaluating strategies to reduce tectonic risks.</p>	<p><b>Knowledge:</b> Coastal processes and the formation of landforms due to erosion, transportation, and deposition, and coastal management strategies (e.g., Holderness Coast).</p> <p><b>Skills:</b> Interpreting maps and data, and evaluating the effectiveness of coastal management.</p>	<p><b>Knowledge:</b> Causes, impacts, and measurement of global development inequalities, health variations, and ethical issues like fair trade.</p> <p><b>Skills:</b> Measuring global inequalities, evaluating development fairness, and critically assessing ethical and social impacts.</p>	<p><b>Knowledge:</b> Concept of sustainability and how this applies to school environments.</p> <p><b>Skills:</b> Independently collecting and analysing primary and secondary data, and evaluating sustainability practices.</p>

Year 10	Natural Hazards and Tectonic Hazards	The Changing Economic World: The Development Gap	Ecosystems and Tropical Rainforests	NEE: Nigeria	The Challenges of Resource Management	River Landscapes in the UK	Physical Fieldwork: <i>How do rivers change along their long course profile?</i>		
	<p><b>Knowledge:</b> Tectonic hazards, their global distribution, effects, and reasons for living in high-risk areas.</p> <p><b>Skills:</b> Analysing case studies, evaluating hazard management strategies, and interpreting impact data.</p>	<p><b>Knowledge:</b> Measurement and causes of global socio-economic inequalities, consequences, and strategies to reduce development gaps.</p> <p><b>Skills:</b> Analysing development data, evaluating the effectiveness of aid, trade, and tourism, and assessing approaches to reduce inequalities.</p>	<p><b>Knowledge:</b> Ecosystem interactions, tropical rainforest characteristics and adaptations, and the causes, effects, and management of deforestation.</p> <p><b>Skills:</b> Analysing ecological relationships, evaluating deforestation impacts, and assessing sustainable management strategies.</p>	<p><b>Knowledge:</b> Nigeria's economic development, drivers of change, industrial structure, TNC influence, and social, political, and environmental context.</p> <p><b>Skills:</b> Analysing case study data, evaluating economic strategies, and assessing impacts on quality of life and global/regional significance.</p>	<p><b>Knowledge:</b> Food, water and energy</p> <p><b>Global:</b> Energy</p>	<p><b>Knowledge:</b> Global inequalities in food, water, and energy, and the UK's changing energy resources, challenges, and sustainable management strategies.</p> <p><b>Skills:</b> Analysing resource availability, evaluating sustainability strategies, and assessing the impacts of resource management on development.</p>	<p><b>Knowledge:</b> River valley changes, fluvial processes, landforms from erosion and deposition, and flood risk and management strategies.</p> <p><b>Skills:</b> Analysing river processes and landforms, evaluating flood management approaches, and assessing their effectiveness using UK case studies.</p>	<p><b>Knowledge:</b> Geographical enquiry process, data types and collection methods, risk management, and effective data presentation.</p> <p><b>Skills:</b> Formulating questions, selecting and collecting data, analysing results, drawing evidence-based conclusions, and evaluating inquiry methods.</p>	

Year 11	Urban issues and Challenges: Rio de Janeiro	Urban issues and Challenges: Bristol and Freiburg	Human Fieldwork: <i>What impact has urban regeneration had upon Salford Quays?</i>	Weather Hazards and Climate Change	Hot Desert Environments	The Changing Economic World: The UK	Coastal Landscapes in the UK	Issue Evaluation: Pre Release Case Study
	<p><b>Knowledge:</b> Rio de Janeiro's urban growth, regional importance, causes, and social, economic, and environmental impacts.</p> <p><b>Skills:</b> Analysing urban challenges, evaluating planning initiatives, and assessing strategies improving quality of life for urban communities.</p>	<p><b>Knowledge:</b> UK urban change, migration impacts, social, economic, and environmental aspects, and urban sustainability strategies.</p> <p><b>Skills:</b> Analysing urban challenges, evaluating regeneration projects, and assessing strategies for sustainability.</p>	<p><b>Knowledge:</b> Atmospheric circulation, tropical storms and UK weather hazards, climate change causes, evidence, effects, and management strategies.</p> <p><b>Skills:</b> Analysing storm impacts, evaluating responses, interpreting weather data, and assessing mitigation and adaptation strategies.</p>	<p><b>Knowledge:</b> Hot desert ecosystems, adaptations of plants, animals, and people, development opportunities, and desertification risks.</p> <p><b>Skills:</b> Analysing ecosystem interdependence, evaluating development impacts, and assessing strategies to manage desertification.</p>	<p><b>Knowledge:</b> UK economic shifts, de-industrialization, globalisation, post-industrial economy, and social/economic changes in rural areas.</p> <p><b>Skills:</b> Analysing economic transitions, evaluating infrastructure and development strategies, and assessing approaches to reduce regional disparities.</p>	<p><b>Knowledge:</b> UK coastal processes, landforms from erosion and deposition, and coastal management strategies.</p> <p><b>Skills:</b> Analysing coastal formation, evaluating hard and soft engineering solutions, and assessing managed retreat approaches.</p>	<p><b>Knowledge:</b> Using case studies, understanding issues at multiple scales, and considering impacts on people and the environment.</p> <p><b>Skills:</b> Analysing conflicting viewpoints, applying knowledge to new contexts, and creating reasoned justifications for solutions.</p>	

		results, drawing evidence-based conclusions, and evaluating enquiry methods.					
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