Westbourne Academy Curriculum Planning Document

Subject: Geography: Year 10

Timescale	Autumn		Spring		Summer	
Prior Learning	Y7 U3 Physical geography of UK Y8 U10 water resources Y8 U11 Coasts	Y7 U4 Development Y8 U7 Kenya an LIC Y9 U13 China an NIC, U1.1 – Urbanisation in global cities	Y7 U3 Physical geography of UK Y8 U8 Weather and climate, U10 water resources. Y9 U14 Climate Change	Y7 U2 Human geography of UK Y8 U9 Retail and settlement Y9 U15 Geography of Leisure, U1.1 – Urbanisation in global cities	Y7 U3 Physical geography of UK Y8 U8 Weather and climate, U10 water resources. Y9 U14 Climate Change	Y7 U1 Geographical skills, Y7 U5 Local area investigation Y8 U11 Coasts and coastal fieldwork.
Unit Title	**2.2 Shaping the landscape – rivers and river management.**	**1.3 A global perspective on development**	**2.3 Weather and Climate**	**1.2 Urban and rural processes and change in the UK.**	**2.4 Climate change – cause and effect.**	**Component 3 – Applied Fieldwork Enquiry**
Key knowledge (5-10 points)	1. How the water cycle influences the river landscape. 2. How humans affect the water cycle. 3. How hydrographs show the relationship between climate and discharge. 4. How mass movement, huaman activity, erosion and transportation processes affect the river landscape. 5. Features of river landscapes. 6. Causes of flooding. 7. Consequences of flooding. 8. Costs and benefits of hard and soft river management. 9. Different views on river management.	1. How development is measured globally. 2. The difference between LIC, NIC and HICs. 3. What is globalisation and what drives it. 4. What are MNCs and what are there impacts. 5. Why NICs are developing. 6. Global trade and its impacts. 7. The concept of fair trade. 8. The consequences of globalisation. 9. The advantages and disadvantages of long and short-term aid.	1. The characteristic of the UKs climate. 2. The impact of PLADO on the UKs climate. 3. The global atmospheric model and its impact. 4. The difference between the UKs and a hot semi-arid climate. 5. The difference between high and low pressure. 6. Cause, impact and response of a low pressure weather hazard. 7. Cause, impact and response of a high pressure weather hazard. 8. Understanding weather charts.	1. How UK urban areas are changing. 2. How UK rural areas are changing. 3. The clear areas that are found in UK towns and cities. 4. Urban renewal and the use of green/brownfield sites. 5. Creating sustainable communities. 6. How retail is changing. 7. The impact of retail change. 8. Urban and rural leisure use and the impacts on honey pot sites. 9. The impact of major sporting events.	1. An overview of the changing climate of the globe. 2. The greenhouse effect and how it is changing. 3. The consequences of climate change. 4. Impacts of climate change on tourism and where people live. 5. Management of climate change. 6. Global initiatives to manage climate change. 7. The role of people and government in managing climate change.	1. Understanding the stages in the geographical enquiry process is. 2. Explore quantitative and qualitative methods for data collection. 3. Understand sampling strategies. 4. Process data using percentages and mean. 5. Process data using graphs. 6. Analyse data to identify trends and patterns. 7. Draw together data and findings to reach conclusions. 8. Evaluate the enquiry for accuracy, reliability and bias.
Key skills (optional)	• Reading a hydrograph. • Drawing a hydrograph. • Problem solving.	• Problem solving. • Process development indicators. • Understand HDI.	• Reading weather charts. • Reading and drawing climate graphs.	• Problem solving. • Planning for a sustainable future.	• Analysing graphs. • Evaluating views on different strategies.	• Enquiry • Evaluation • Data collection, presenting and processing.
Key terminology	*Interception, transpiration, infiltration, surface run-off, through flow, discharge, annual regime, erosion, transportation, fluvial, estuaries, urbanisation, dams, reservoirs, afforestation, stakeholders.*	*Development indicator, Economic, social, LIC, NIC, HIC, globalisation, cultural exchange, MNC, Leakage, positive multiplier, fair trade, tariffs, quota, trade bloc, aid*	*Climate, continentally, maritime, prevailing, precipitation, altitude, latitude, atmospheric, troposphere, air pressure, hazards, Cyclone, drought.*	*Urbanisation, suburbanisation, counter-urbanisation, re-urbanisation, infill, commuter, teleworking, CBD, pedestrianisation, deprivation, affluence, renewal, greenfield, brownfield, sustainable, threshold, catchment, honeypot,*	*Glacial, inter-glacial, greenhouse effect, climate change, management, mitigation, radiation.*	*Enquiry, Hypothesis, Sampling, systematic, stratified, quantitative, qualitative, methodology, primary data, secondary data, accuracy, reliability, bias, continuous data, discrete data.*
Assessment (methods to assess)	• End of unit assessment /32. • Problem Solving question /12 + SPaG /4. • Four multiple-choice SMHW quizzes.	• End of unit assessment /32. • Problem Solving question /12 + SPaG /4. • Two multiple-choice SMHW quizzes.	• End of unit assessment /32. • Problem Solving question /12 + SPaG /4. • Two multiple-choice SMHW quizzes.	• End of unit assessment /32. • Problem Solving question /12 + SPaG /4. • Two multiple-choice SMHW quizzes.	• End of unit assessment /32. • Problem Solving question /12 + SPaG /4. • Two multiple-choice SMHW quizzes. • ***Y10 PRE /76 – PS paper***	• End of unit assessment /32. • Problem Solving question /12 + SPaG /4. • Three multiple-choice SMHW quizzes.
Links to other units in KS4.	2.1 Shaping the landscape – coasts and coastal management. 2.3 Weather and climate Component 3 – Fieldwork	1.1 Urbanisation in global cities 2.3 Weather and climate	2.4 climate change 3.1 How ecosystems function. 3.2 Ecosystems under threat 3.3 water resources and management. 3.4 Desertification	1.1 Urbanisation in global cities 1.3 Development.	1.3 Development. 2.4 climate change 3.1 How ecosystems function. 3.3 water resources and management. 3.4 Desertification	2.1 Shaping the landscape - coasts and coastal management 1.2 urban and rural processes and change in the UK.

Westbourne Academy Curriculum Planning Document Subject: Geography: Year 11

Timescale	Autumn			Spring		Summer
Prior Learning	Y7 U1 Geographical skills, Y7 U5 Local area investigation Y8 U11 Coasts and coastal fieldwork.	Y7 U6 Ecosystems Y8 U10 Water resources and desertification 2.3 Weather and climate	Y7 U6 Ecosystems Y8 U10 Water resources and desertification 2.3 Weather and climate 2.4 Climate change 3.1 How ecosystems function	Y7 U3 Physical Geography of the UK Y8 U11 Coasts and Coastal fieldwork. 2.2 Rivers and management 2.3 Weather and climate 2.4 Climate change	Y7 U3 Physical Geography of the UK Y8 U10 Water resources and desertification	Y8 U10 Water resources and desertification 2.3 Weather and climate 2.4 Climate change 3.1 How Ecosystems function 3.2 Ecosystems under threat
Unit Title	**Component 3 – Applied Fieldwork Enquiry**	**3.1 How Ecosystems function**	**3.2 Ecosystems under threat**	**2.1 Shaping the landscape – coasts and coastal management**	**3.3 Water resources and management**	**3.4 Desertification**
Key knowledge (5-10 points)	9. Understanding the stages in the geographical enquiry process is. 10. Explore quantitative and qualitative methods for data collection. 11. Understand sampling strategies. 12. Process data using percentages and mean. 13. Process data using graphs. 14. Analyse data to identify trends and patterns. 15. Draw together data and findings to reach conclusions. Evaluate the enquiry for accuracy, reliability and bias.	1. The location of biomes at a global scale. 2. The nutrient cycle in ecosystems. 3. Food chains and webs. 4. The water cycle in ecosystems. 5. The difference in processes between a hot semi-arid and rainforest biome. 6. How one small scale UK ecosystem has been managed (Ynyslas sand dunes, Wales).	1. Understand how humans use and benefit from ecosystems. 2. How humans have damaged hot-semi arid (see 3.4 desertification) and rainforest ecosystems. 3. The effects of ecosystem damage at different scales. 4. Methods for sustainably managing rainforest ecosystems.	1. How climate, geology and human processes affect the UK coastline. 2. The processes involved in weathering and mass movement. 3. Erosion processes. 4. Transportation processes. 5. How wave cut platforms, arches, stacks, headlands, bays, beaches, spits and estuaries are formed. 6. Evaluate soft and hard costal management strategies. 7. Explore hold the line and retreat the line strategies in shoreline management plans. 8. The impact of climate change on UK and Maldives coasts.	1. Understand global trends in water supply and demand. 2. Understanding water footprints. 3. Understanding water security. 4. Social, economic and environmental reasons for why water supply and demand varies. 5.Evaluate small scale water management strategies in LICs. 6. The issues and benefits or large scale water transfer scheme in Lesotho.	1. Understand the distribution of locations vulnerable to desertification – linked to the global atmospheric circulation model. 2. Smaller scale natural reasons for increased desertification. 3. How human activities are causing desertification. 4. Small scale, NGO led, Strategies for sustainably managing desertification. 5. International strategies for managing desertification.
Key skills (optional)	• Enquiry • Evaluation Data collection, presenting and processing.	• Describing distribution • Drawing food webs • Analysing climate data	• Evaluating strategies • Considering impacts at varying scales.	• Evaluating strategies • Justifying choices. • Label diagrams to explain stages.	• Evaluating strategies • Justifying choices.	• Evaluating strategies • Justifying choices.
Key terminology	*Enquiry, Hypothesis, Sampling, systematic, stratified, quantitative, qualitative, methodology, primary data, secondary data, accuracy, reliability, bias, continuous data, discrete data.*	*Biomes, ecosystem, abiotic, biotic, biomass, cycle, transpiration, infiltration, interception, vegetation, litter layer, humus, producer, primary and secondary consumer, nutrient store, energy flows, evapotranspiration.*	*Ecosystem services, deforestation, desertification, conservation, sustainable, management strategy, soil erosion, splash erosion See 3.1.*	*Climate, geology, coastal processes, erosion, geomorphological processes, weathering, mass movement, marine processes, longshore drift, transportation, deposition, hard/soft engineering, beach nourishment, beach stabilisation, SMP.*	*Supply, demand, water footprint, water security, over-abstraction, unsustainable water use, fog harvesting, trans-boundary.*	*Desertification, evaporation, Inter Tropical Convergence Zone, vegetation, evapotranspiration, soil erosion, gulley erosion, splash erosion, micro-climate, over-grazing, fallow period, irrigation, magic stones, drought-tolerant.*
Assessment (methods to assess)	• End of unit assessment /32. • Problem Solving question /12 + SPaG /4. • Four multiple-choice SMHW quizzes.	• Tested at the end of unit 3.2. • ***Fieldwork PRE /76***	• End of unit assessment /32. • Problem Solving question /12 + SPaG /4. • Three multiple choice SMHW quizzes.	• End of unit assessment /32. • Problem Solving question /12 + SPaG /4. • Three multiple-choice SMHW quizzes. • ***Final PRE /100***	• End of unit assessment /32. • One multiple-choice SMHW quizzes.	• End of unit assessment /32. • Problem Solving question /12 + SPaG /4. • Two multiple-choice SMHW quizzes.

Links to other units in KS4.	2.1 Shaping the landscape - coasts and coastal management 1.2 urban and rural processes and change in the UK.	2.3 Weather and climate 3.2 Ecosystems under threat 3.4 Desertification	2.3 Weather and climate 2.4 Climate Change 3.2 Ecosystems under threat 3.4 Desertification	2.2 Rivers and river management 2.3 Weather and climate 2.4 Climate Change	2.2 Rivers and river management 2.3 Weather and climate 2.4 Climate Change 3.1 How Ecosystems function	2.3 Weather and climate 2.4 Climate Change 3.1 How Ecosystems function 3.2 Ecosystems under threat