Geography Spiral Curriculum Map

Our spiral curriculum is underpinned by seven integral geographical concepts: place, space, environment, interconnection, sustainability, scale and change.

Key Geographical Themes	Key Stage 3	Key Stage 4 – AQA GCSE	Key Stage 5 – OCR A Level
Biomes / Ecosystems / Environment	Year 7 Introduction to Geography (Redeveloping Cawfield Quarry; improving local environments) UK Physical Landscapes (Mountainous landscapes – climate, characteristics, landscape shaping processes and landforms) People of the UK: Work, Rest & Play (The environmental impact of Heathrow's third runway; characteristics of remote rural areas). Year 8 Mental Health (How nature can improve mental wellbeing; nature connectedness in our local area).	Unit 1 – Section B: The Living World • Ecosystems (Small scale ecosystems; how change affects ecosystems; global ecosystems and links to global atmospheric circulation) • Tropical Rainforests (Environmental characteristics; causes of deforestation; impacts of deforestation; sustainable management) • Hot Deserts (Environmental characteristics; opportunities for development; challenges of development; causes of desertification; reducing desertification) Unit 2 – Section C: Challenge of Resource Management	 Unit 1 – Physical Systems Coastal Landscape Systems (A study of various coastal environments including the formation and characteristics of saltmarshes & sand dunes). Earth's Life Support Systems (the Arctic Tundra & Amazon Rainforest ecosystems; carbon, water and nutrient cycles; soil characteristics; biodiversity & food webs; importance of preserving wetlands). Unit 2 – Human Interactions Changing Spaces; Making Places (Role of the natural environment in shaping people's sense of place and perception of place).
	• Global Issues (Location and characteristics of global biomes; investigating Russia's various wilderness areas; coral reefs as rainforests of the sea; plastic in the oceans; environmental impact of tourism; desertification on the Russian Steppes; strategies to protect wilderness areas; sustainable tourism in Jordan; environmental challenges facing megacities – Jakarta; how to calculate your ecological footprint).	Food Supply (Areas at risk of food insecurity & reasons linked to biome characteristics; sustainable food production in different environments – including savannah and Mediterranean biomes). Unit 2 – Section B: Changing Economic World Nigeria: A Newly Emerging Economy (Location of different biomes within Nigeria; impact on economic development; effects of economic	Climate Change (impacts of climate change on marine and terrestrial biomes – particularly rates of warming in the Arctic; impact on mountain glacier & tundra environments, coral reefs & semi-arid environments such as the Sahel)

	Africa: A Land of Contrasts (Location of key mountain ranges, volcanoes, deserts, rivers, lakes; characteristics of hot deserts and plant/animal/people adaptations; causes, consequences and management of desertification in the Sahel; environmental impact of coltan mining in the DRC)	growth on the environment – e.g. oil spills in the Niger Delta)	
Coastal Landscapes	• UK Physical Landscapes (Coastal processes and landforms along the Jurassic Coast – cliff retreat & wave cut platforms, LSD, spits & tombolos) Year 8 • Global Issues (Formation of coral reefs; impacts of plastic on our coasts; impact of urban sprawl on mangrove wetlands – Jakarta's coasts) Year 9 GCSE Unit 1 – Section A: Challenge of Natural hazards • Climate Change (Impact of rising sea levels on coastal environments; storm surges associated with tropical storms)	 Unit 1 – Section C: Physical Landscapes in the UK Coastal Landscapes (Coastal processes; erosional landforms; depositional landforms; managing coasts) GCSE Coastal Fieldwork – investigating how successful the coastal defences at Felixstowe are in protecting the town from coastal erosion. Unit 2 – Section A: Urban Issues & Challenges The Urban World (Impact on coastal mangroves and coastline of Mumbai's urban sprawl). 	Coastal Landscape Systems (Coasts as systems; development of coastal landforms; high energy & low energy coastal environments; evolution of coastal landforms over time as climate changes; how human activity causes intentional and unintentional change within coastal landscape systems) Coastal Fieldwork —Investigating the impact of different SMPs on beach characteristics at Walton on the Naze. Unit 3 — Geographical Debates Climate Change (Impact of rising sea levels on vulnerable coastal locations — e.g. Bangladesh, Tuvalu & Netherlands; management of sea level rise through hard and soft coastal engineering). Hazardous Earth (Impact of tsunamis on coastal locations; formation of volcanic hotspot islands and evolution to form coral atolls).
The Hydrological Cycle, Drainage Basin Processes & River Landscapes	• UK Physical Landscapes (Location of UK's major rivers, river processes, landforms: waterfalls and meanders)	Unit 1 – Section C: Physical Landscapes in the UK UK Landscapes (location of major mountain ranges and river systems)	Unit 1 – Physical Systems Earth's Life Support Systems (Stores & flows in the hydrological cycle; catchment hydrology processes; water

	Weather & Climate in the UK (The global hydrological cycle; formation of clouds & rain; drainage basin processes)	River Landscapes (Drainage basin processes; river processes; erosional landforms; depositional landforms; causes of flooding; managing flood risk)	balances; human & physical factors influencing the water cycle & flood risk in the Amazon Rainforest, Arctic Tundra & UK; changes over time in the water cycle; integrated river basin management).
	Africa: A Continent of Contrasts (Location of Africa's major rivers and lakes; the link between the hydrological cycle and desertification in the Sahel; coltan mining in the DRC & river pollution).	Tropical Rainforests (Impact of deforestation on the Amazon's hydrological cycle; reasons for increased flood risk). Hot Deserts (Importance of the Indira-Gandhi Canal for communities living in the Thar Desert)	Unit 3 – Geographical Debates Climate Change (Adapting to climate change by using hard and soft engineering to manage river flooding).
Weather & Climate	• Weather & Climate in the UK (Measuring and recording weather; UKs changeable weather; links between weather and the water cycle, formation of rain; types of rain & clouds; urban microclimates; investigating the microclimate of the Northgate Campus; UKs extreme weather).	• Weather Hazards (Global atmospheric circulation system; location & formation of tropical storms; structure & features of tropical storms; reducing the effects of tropical storms; weather hazards in the UK; extreme weather in the UK).	Unit 1 – Physical Systems Earth's Life Support Systems (Stores & flows in the hydrological cycle; cloud formation; types of precipitation; catchment hydrology processes; weather, climate & water cycle in the Amazon Rainforest & Arctic Tundra; role of global atmospheric circulation system in determining rainfall patterns) Unit 3 – Geographical Debates Climate Change (The impacts of climate change on extreme weather events and how to manage the increased risk – particularly increased drought risk; winter storms; tropical storms; heatwaves; impact on the
Climate Change	Year 7 • Weather & Climate in the UK (Climate change and the UKs extreme weather).	GCSE Unit 1 – Section A: Challenge of Natural Hazards • Weather Hazards (Climate change and tropical storms – frequency, intensity,	 Monsoon) Unit 1 – Physical Systems Coastal Landscape Systems (How coastal landforms evolve over time as climate changes; adapting to rising sea

	Global Issues (The effect of climate	duration, areal extent; UK's extreme weather).	levels by adopting the retreat strategy of managed realignment)
	change on coral reefs; the increasing wildfire threat)	 Climate Change (A review of causes; impacts; adaptation and mitigation) 	Earth's Life Support Systems (How climate change will affect the size, distribution & residence time of global stores of water and system impact of
	Year 9	Unit 1 – Section B: The Living World	stores of water and carbon; impact of climate change on the carbon and water cycles in the Arctic Tundra &
	Africa: A Land of Contrasts (Role of climate change in desertification; managing desertification through the	 Hot Deserts (Role of climate change in desertification in the Sahel; management of desertification) 	Amazon Rainforest)
	Green Wall initiative).	Unit 2 – Section C: Challenge of Resource	 Unit 3 – Geographical Debates Climate Change (How & why has
	GCSE Unit 1 – Section A: Challenge of Natural Hazards • Climate Change (Past climate change;	Food Supply (Impact of climate change on food supply; impact of food	climate changed in the geological past; how & why has the era of industrialisation affected global climate; why is there a debate over
	evidence for human caused climate change; natural causes; human causes; impacts; adaptation and mitigation)	insecurity; sustainable methods to increase food supply).	climate, why is there a debate over climate change; impacts of and responses to climate change – study of Bangladesh, UK and Netherlands; can international response to climate change ever work)
Tectonic Processes & Hazards	Year 8	Unit 1 – Section A: Challenge of Natural Hazards	Unit 3 – Geographical Debates
	 Global Issues (The role of volcanic activity in the formation of coral atolls). Year 9 Africa: A Continent of Contrasts (Role of East African Rift Valley on East African landscape and wildlife) 	Tectonic Hazards (A review of processes, effects and management of earthquakes and volcanic eruptions from Year 9).	Hazardous Earth (Theory of continental drift, plate tectonics & convection currents; plate boundary processes; intrusive & extrusive igneous activity; earthquake processes & landforms; tsunamis; managing tectonic hazards in countries at different levels of economic development)
	GCSE Unit 1 – Section A: Challenge of Natural Hazards		 Climate Change (The role of plate tectonics in long term climate change)
	 Tectonic Hazards (Distribution of earthquakes & volcanoes; physical processes at plate boundaries; effects & responses to earthquakes; living with & reducing the risk from tectonic hazards) 		

Urban Environments

Year 7

- Introduction to Geography (Location of UK major cities; location of European capital cities; improving local urban environments)
- Weather & Climate in the UK (features of urban microclimates; a study of London's microclimate).
- People of the UK: Work, Rest & Play (Living in Leicester; should Heathrow have a second runway?)

Year 8

- Geography of Crime (Crime mapping in urban areas; designing out crime; crime survey of the Northgate High School campus).
- Global Issues (The challenge of megacities - Jakarta; sustainable urban living in Copenhagen; the growth of ecocities)

Year 9

- Africa: A Continent of Contrasts (location and names of key capital cities)
- Blood, Sweat & Luxuries (Types of jobs, pay and conditions that people in urban areas in LICs live and work to make our luxuries – Addis Ababa's leather industry, e-waste in Accra, MP3 players in Manilla)

Unit 2 - Section A: Urban Issues & Challenges

- The Urban World (Global patterns of urban change; Reasons for an increasingly urban world; Emergence of megacities; Social & economic challenges in Mumbai; Managing growth of squatter settlements; Planning for the urban poor)
- Urban Change In The UK (Location & importance of London; impacts of migration on the character of London; opportunities created by urban change cultural mix, recreation, entertainment, greening, employment, transport; challenges created by urban change urban deprivation, inequalities in housing/ health/education, environmental dereliction, waste disposal, urban sprawl; an example of urban regeneration London Olympics in Newham.
- Sustainable Urban Development
 (Features of sustainable urban living –
 water & energy, waste recycling, green
 space, traffic management)
- GCSE Human Fieldwork Investigating how successful the regeneration of Ipswich Waterfront has been.

Unit 2 - Human Interactions

- Changing Spaces; Making Places (place profiles; representation of place through formal and informal agencies; role of globalisation in deindustrialisation & economic restructuring; social inequality in urban areas; urban design, planning & regeneration; building environmental and social sustainability into urban regeneration).
- A Level Human Fieldwork:
 - Urban regeneration Investigating the success of the rebranding of Ipswich Waterfront
 - Place Profiles Investigating the socio-economic characteristics of two contrasting places - Frinton & Walton

Unit 3 Geographical Debates

- Climate Change (Adapting buildings and cities to accommodate high temperatures, floods & droughts)
- Hazardous Earth (The effects of earthquake and volcanic activity on urban areas; building to protect against tectonic hazards).

Economic Development

Year 7

People of the UK: Work, Rest & Play
 (The change in UK jobs over time; the
 different employment sectors; influence
 of the technological revolution; growth
 and importance of tourist industry; the
 global reach of football's Premier
 League; economic advantages of a
 third runway for Heathrow)

Year 8

- Geography of Crime (Role of poverty and international crime on land and the sea – piracy and the opium trade)
- Our Unequal World_(Location & distribution of HICs, LICs and NEEs; development indicators; causes and consequences of inequalities; link between poverty & migration; the experience of being a migrant; food inequality & malnutrition; consequences of over nutrition; causes & consequences of inequalities in health; unfairness of global cocoa trade; role of Fair Trade)

Year 9

- Africa: A Continent of Contrasts
 (Economic advantages of the Green
 Wall Initiative; economic benefits of
 coltan mining in the DRC; economic
 costs & benefits of Kenya's fruit and
 vegetable export industry)
- Blood, Sweat & Luxuries (Types of jobs, pay and conditions that people in LICs live and work to make our luxuries (e.g. coffee, leather, gems, e-waste, MP3 player factories; reasons &

Unit 1 – Section A: Challenge of Natural Hazards

- Climate Change (The impact of climate change on LICs; how LICs can adapt to climate change and the importance of aid in this).
- Tectonic Hazards (How the effects and responses to tectonic hazards vary between two areas of contrasting wealth)
- Weather Hazards (Strategies LICs can use to manage the tropical storm risk)

Unit 2 – Section A: Urban Issues & Challenges

The Urban World (An example of a LIC megacity – Mumbai to assess development opportunities created by urban growth; how urban industrial areas stimulate economic development; challenges of urban growth for the poor; managing these challenges – slums, clean water, sanitation, health, education; how urban planning can improve the quality of life of the urban poor)

Unit 2 – Section B: Changing Economic World

- The Development Gap (Our unequal word; measuring development; Demographic Transition Model; causes & consequences of uneven development; strategies to reduce the development gap – aid, technology, fair trade, debt relief, tourism)
- Nigeria: A Newly Emerging Economy (Location & importance; political, social, cultural & environmental context; changing industrial base; role and advantages/disadvantages of

Unit 3 - Geographical Debates

 Hazardous Earth (studying countries at contrasting level of development to illustrate why people choose to live in tectonically active locations and the impacts that a tectonic event can have on people as well as the environment, economy and political system.

The strategies that countries of different levels of development have to manage volcanic and earthquake activity.

 Climate Change (Studying one AC and one EDC to illustrate their different contributions to anthropogenic greenhouse gas emissions; Comparing two countries at different levels of development to understand the challenges they face and their different abilities to mitigate and adapt to the consequences of climate change)

Unit 2 – Human Interactions

• Changing Spaces; Making Places
(Study of a region that has been impacted by structural economic change – e.g. West Midlands; Socioeconomic, demographic, cultural and environmental characteristics of the place before the economic change; economic changes that took place and the role of players involved in driving the change; socio-economic, demographic, cultural and environmental impacts on people and place).

(Study of two contrasting places to illustrate types of evidence of social inequality that can be found there such

	consequences for this division of labour; how to close this development gap)	TNCs; changing relationship with wider world; international aid; environmental impacts of development; effects of economic development on people's quality of life) • The Changing UK Economy (Causes of economic change and growth of post-industrial economy; impacts of industry on environment; sustainable modern industrial development; social & economic changes in rural areas; transport development; North-South divide).	as housing, environmental quality, crime rates, digital divide; the range of factors that influence people's social inequality such as income, gender, age, health, personal mobility, ethnicity and education; how social inequality impacts upon people's daily lives in different ways — e.g. Dharavi, Mumbai and Northwood, Irvine, California). • Global Migration (Relationship between patterns of international migration and socioeconomic development; role of global migration in promoting stability, growth and development within and between countries through flows of people, money, ideas and technology; the inequalities, conflicts and injustices for people and places that migration creates through flows of people, money, ideas and technology).
Human Rights	Year 8	Unit 1 – Section B: The Living World	<u>Unit 2 – Human Interactions</u>
	 Geography of Crime (the rule of law, the effect of crime on others). Global Issues (causes and consequences of the Syrian civil war, including the refugee crisis) Our Unequal World (Unequal access to basic human rights – reasons & consequences) 	Tropical Rainforests (Impact of deforestation on the rights of indigenous communities) Hot deserts (Impact of desertification on the rights of rural communities in the Sahel). Unit 2 – Section A: The Changing Economic World	 Human Rights (Variations in human right norms; reasons for human rights violations; variations in women's rights; global governance of human rights – particularly in areas of conflict). Global Migration (Link between violation of human rights and migration – including a study of current examples). Unit 3 – Geographical Debates
	Africa: A Continent of Contrasts (Causes and consequences of war in the DRC; role of UN peacekeeping forces).	The Development Gap (Impact of poverty on basic human rights - access to healthcare and education; the rights of refugees). Nigoria: A Navyly Emerging Forgery.	 Climate Change (The impacts of climate change being experienced by vulnerable people and how this can affect their human rights – such as
	 Blood, Sweat & Luxuries (How poverty 	 Nigeria: A Newly Emerging Economy 	changes to ecosystems, health, extreme

(Shell's abuse of the human rights of

affects human rights – children's

education, belonging to trade unions,

weather, disappearing islands &

environmental refugees)

	fair wages, the right to an adequate standard of living for themselves and their family)	the Ogeni people in the Niger Delta - oil extraction and spills).	
Migration	Introduction to Geography (The UKs position in and links to Europe) People of the UK: Work, Rest & Play (Role of migration in shaping the UKs population; how migration has shaped Leicester)	 Unit 2 – Section A: Urban Issues & Challenges The Urban World (Reasons for RUM and international migration to Mumbai – opportunities & challenges) Urban Change in The UK (The significance of migration in London becoming a global hub and its effects on the character of the city) 	Global Migration (Current patterns of migration; reasons for the increasing complexity of migration; how corridors of migrant flows create independence between countries; issues associated with unequal flows of global migration)
	Global Issues (The geography of conflict zones and current pattern of refugees; the role of rural to urban migration in creating megacities) Our Unequal world (The link between inequality and migration – Guatemalan migration to USA) Year 9 Blood, Sweat & Luxuries (Reasons for, and consequences of RUM to urban areas for low income people trying to find work).	 Unit 2 – Section A: Changing Economic World Nigeria: A Newly Emerging Economy (Reasons for and consequences of RUM to Lagos) The UKs Changing Economy (Importance of international migration to the UK's postproduction economy as well as Eastern European migrants working in UK agriculture; the role of the North/South divide in the migration of young people south). 	Climate Change (Examples of why and how climate change is forcing vulnerable people to become environmental refugees and the consequences of this for the host region/nation/peace and stability)
Sustainable Resource Use	Year 8 • Global Issues (Being a global citizen; the SDGs; sustainable tourism; importance of protecting coral reefs; plastic in the oceans; wilderness areas under threat; the challenge of megacities; sustainable cities)	Unit 1 – Section A: Challenge of Natural Hazards Climate Change (Role of non-renewable resource use in causing climate change; sustainable mitigation & adaptation strategies).	Unit 3 – Geographical Debates Climate Change (Renewable energy; energy conservation; water conservation; climate smart agriculture; UN-REDD scheme). Earth's Life Support Systems (Sustainable use of resources in the

Our Unequal World (The plight of the cocoa farmer; role of Fair Trade; consequences of 'fast fashion')

Year 9

Africa: A Continent of Contrasts
 (Human causes of desertification in the Sahel; the Green Wall initiative; unsustainability of coltan mining in the DRC; environmental impacts of importing perishable fruit and vegetables from Kenya).

Unit 1 – Section B: The Living World

- **Tropical Rainforests** (Sustainable management of tropical rainforests)
- Hot Desert Environments (Reducing desertification in hot deserts)

Unit 1 – Section C: Physical Landscapes in the UK

- Coastal Landscapes (Sustainable management of coastal environments – hard & soft engineering strategies)
- River Landscapes (Sustainable management of flooding – hard & soft engineering strategies)

Unit 2 – Section A: Urban Issues & Challenges

- The Urban World (environmental & social challenges caused by rapid urban growth in low income countries; sustainable management strategies to deal with these challenges managing squatter settlements, air pollution, waste pollution, traffic congestion; healthcare, education, water supply)
- Urban Change in The UK (How changes in London's economy have created opportunities to improve the environment - Queen Elizabeth Park)
- Sustainable Urban Development
 (Planning for urban sustainability;
 sustainable living water & energy
 conservation, waste recycling &
 creating green spaces; sustainable
 traffic management strategies)

Amazon Rainforest & Alaska's Tundra; management of the global carbon & water cycle – including importance of preserving wetlands)

	Unit 2 – Section A: Changing Economic World
	The Development Gap (The sustainability of various ways to close the development gap – tourism, fair trade, debt relief, aid, intermediate technology)
	Nigeria: A Newly Emerging Economy (Consequences of oil drilling in the Niger Delta)
	The UKs Changing Economy (Environmental impacts of traditional industry; sustainable ways of reducing the impacts of industry on the physical environment).
	Unit 2 – Section C: Challenge of Resource Management
	Resource Management (Global distribution of resources; provision of food, water & energy in the UK).
	Food management (Global food supply; impact of food insecurity; sustainable food production)
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