Curriculum Map Subject: GEOGRAPHY KS4 Year Group: 10 (From Sept 2023)

	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
Content- WHAT will be	URBAN ISSUES & CHALLENGES: LIC/NEE URBAN (Paper 2: Section A)	PHYSICAL LANDSCAPES IN THE UK:	CHALLENGE OF NATURAL HAZARDS: LIVING WORLDS (Paper 1: Section B)	PHYSICAL LANDSCAPES IN THE UK: RIVERS (Paper 2: Section C)	URBAN ISSUES & CHALLENGES:	GEOGRAPHICAL APPLICATIONS:
learned? What previous	This unit aims to build on some of	COASTS (Paper 2: Section C) This is the first of the physical	This unit builds on work in Y8 about	This is the second of the physical	UK URBAN (Paper 2: Section A) This is the second subsection urban	FIELDWORK (Paper 3: Section B) In this unit students carry out the
learning can be linked?	the concepts of global inequality	landscape topics covered and as	ecosystems. It also draws on work	landscape topics covered and	topic from the beginning of Y10. It	process of a fieldwork
Why this order/sequence?	and diversity introduced in Y9 but	such is foundational in applying	from Y9 on global climate patterns	revisits the underlying processes	allows students to revisit key	investigation – one human and
order/ sequence ?	apply it to the context of urban	concepts students were first	to understand how they correlate	of erosion, transportation and	terminology and concepts from the	one physical based question. The
	landscapes – which today accounts	introduced to at KS3 around key	to patterns in global ecosystems.	deposition introduced in the	LIC/NEE urban unit and combined	purpose is that students
	for the majority of the global	processes such as erosion,	Students will look at the range of	Coasts unit. Many of the	with understanding from the	demonstrate and understanding
	population. We look at how the	transportation, and deposition.	factors which influence how an	processes which shape landscapes	Development unit from Y9 to look at	of both the different stages of the
	patterns of where we live is	This unit aims to revisit that prior	ecosystem functions at different	by waves and rivers are similar.	how countries with different levels	investigation process from
	changing both over time and	learning but develop it in more	scales from an individual pond to a	Again, some rivers content was	of economic development face	appropriate site selection and risk
	across different continents. It looks	detail to look at not just the	global biome. They will focus largely	covered in KS3 so this will revisit	similar and different challenges in	assessment through to evaluating
	at the underlying causes of these	physical process and landforms,	on Tropical rainforest which is a	and build on that knowledge as	the same type of urban landscape. It	the reliability of the conclusions
	changes such as the development	but to see how we apply this	compulsory biome to study.	well. The unit covers the course of	will also provide some context for	they have made. Fieldwork is a
	and industrialisation concepts	understanding to develop	Students will investigate the wider	a river through its three phases	future studies of UK economic	key part of a Geographers skill set
	introduced in the Development	appropriate coastal defence	value to people and the planet of	(upper, middle, and lower course)	change and its impact on the built	and the unit is designed to get
	unit. We also look in more depth at	schemes. We also investigate the	our ecosystems as a source of	to identify how the processes	environment studied in Y11. The	students to think about the
	an LIC/NEE city to look at the	factors affecting the decision-	resources and climate regulator. In	change and how this is reflected	unit covers patterns of urban	decisions and choices that are
	opportunities and challenges of these processes both on people	making process which determines the level of protection that	this way it also feeds back into their understanding of how human	in the landforms the river creates. Students will also look at the issue	growth since the Industrial Revolution in the UK and how this	made at each step.
	and the environment.	different locations may qualify for.	actions can influence climate	of flooding. Both its causes,	has affected population distribution.	
	and the environment.	It also brings in elements from	change. Students will consider a	impacts and possible solutions to	Students have to focus on one UK	
		Climate change from Y9 to	range of different threats to global	manage rivers effectively and	city – we have chosen Birmingham.	
		consider the potential impact of	ecosystems and how we might	reduce the risk. Again, this raises	Students must be aware of patterns	
		rising sea levels on the future	manage or reduce them.	questions about the possible	of opportunities and challenges	
		vulnerability of low-lying coastal		consequences of global warming	across the city and how they are	
		areas.		covered in Y9 on future flood risk	affected by deprivation. They also	
				and severity.	look at schemes designed to	
					regenerate UK urban areas.	
Chille Address will be						
Skills- What will be	• Interpretation skills: for a wide	• Interpretation skills: for a wide	Interpretation skills: for a wide	• Interpretation skills: for a wide	• Interpretation skills: for a wide	• Interpretation skills: for a wide
developed?	variety of information sources	variety of information sources	variety of information sources	variety of information sources	variety of information sources	variety of information sources
	including text analysis, photo analysis, proportional symbols,	including OS map, text analysis,	including text analysis, photo analysis, proportional symbols,	including OS map, text analysis, diagrams, choropleth maps, data	including text analysis, choropleth maps, data tables, range bars and	including OS maps, text analysis, data tables,
	choropleth maps, data tables,	diagrams, choropleth maps, data	choropleth maps, data tables,	tables, flood hydrographs, photo	dispersion, flow lines, photo	Calculate: mean/median
	flow lines.	tables, range bars and dispersion,	flow lines, viewpoints.	analysis.	analysis, diagrams, population	values, ranges, interquartile
	Calculate: mean/median values,	flow lines, photo analysis.	Calculate: mean/median values,	Graphical skills: construction and	pyramids	ranges
	percentages	• Calculate: mean/median values.,	percentage change	interpretation of flood	• Calculate: mean/median values.	Graphical skills – construction
	Analytical skills: sequencing,	ranges.	Analytical skills: sequencing,	hydrographs.	Graphical skills: construction and	of beach profile graphs, pie
	comparison, commenting on	 Analytical skills: sequencing, 	comparison, commenting on	• Calculate: mean/median values.,	interpretation of pie charts/% bar	charts, inverted bar graphs
	reliability and usefulness of data	comparison, commenting on	reliability and usefulness of data	ranges, lag times	charts	Analytical skills: sequencing,
	types.	reliability and usefulness of data	types.	• Analytical skills: sequencing,	Analytical skills: sequencing,	comparison, commenting on
		types.		comparison, commenting on	comparison, commenting on	reliability and usefulness of
				reliability and usefulness of data	reliability and usefulness of data	data types, sampling strategies.
				types.	types.	

Key 'How'/'Why'
Questions- What
powerful knowledge will
be gained? What
areas/themes/concepts
will be explored?

- What are the global patterns of urban change?
- Why are urban trends different in different parts of the world including HICs and LICs?
- What factors influence the rate of urbanisation? (Migration (push pull theory), natural increase)
- What is a megacity?
 A case study of a major city in an LIC or NEE to illustrate:
- What is its location and importance regionally, nationally, and internationally.
- Why did it grow?
- How has urban growth created opportunities?
- social: access to services health and education; access to resources – water supply, energy
- economic: how urban industrial areas can be a stimulus for economic development.
- How has urban growth has created challenges? Such as managing urban growth – slums, squatter settlements, providing clean water, sanitation systems and energy, providing access to services – health and education, reducing unemployment and crime.
- How can we manage environmental issues? – waste disposal, air and water pollution, traffic congestion.
- How successfully can we use urban planning to improve the quality of life for the urban poor.

Places: Global patterns, Rio de Janeiro, Brazil.

- Are all waves the same? types and characteristics.
 - How are coasts affected by weathering processes? (Mechanical, chemical, biological)
 - What is mass movement? (Sliding, slumping and rock falls)
 - How do coastlines erode? (Hydraulic action, abrasion, and attrition)
 - What is Longshore drift?
 - Why is sediment deposited in coastal areas?
 - How are distinctive coastal landforms the result of geological factors such as - rock type, structure, and physical processes?
 - How are coastal landforms created by erosion? (Headlands and bays, cliffs and wave cut platforms, caves, arches, and stacks).
 - How are coastal landforms created by deposition? (Beaches, sand dunes, spits, and bars).
 - How can different management strategies can be used to protect coastlines from the effects of physical processes?
 - What are the costs and benefits of the following management strategies? hard engineering – sea walls, rock armour, gabions, and groynes; soft engineering – beach nourishment and reprofiling, dune regeneration; managed retreat.

Places: UK patterns, Felixstowe, Medmerry.

- How do ecosystems involve the interaction between biotic and abiotic components?
- What are the roles of producers, consumers, decomposers, food chain, food web and nutrient cycling in ecosystems?
- Where do we find Tropical rainforests around the world?
- What do we mean by the interdependence?
- How are plants and animals adapted in the TRF to the physical conditions?
- What factors affect levels of biodiversity?
- How have patterns of deforestation changed over time?
- What are the causes of deforestation? (Subsistence and commercial farming, logging, road building, mineral extraction, energy development, settlement, population growth)
- What are the impacts of deforestation? (Economic development, soil erosion, contribution to climate change)
- What is the value of tropical rainforests to people and the environment?
- How useful are the strategies to manage the rainforest sustainably? (Selective logging and replanting, conservation and education, ecotourism and international agreements about the use of tropical hardwoods, debt reduction).

Places: Global patterns, Amazon Rainforest (South America).

- How does the long profile and changing cross profile of a river and its valley change downstream?
- What are the processes of erosion? (Hydraulic action, abrasion, attrition, solution, vertical and lateral erosion)
- What are the different types of transportation? (Traction, saltation, suspension and solution).
- What causes rivers to deposit sediment?
- How are landforms formed by erosion? (Interlocking spurs, waterfalls and gorges).
- Why do rivers bend? (Meanders and ox-bow lakes).
- How are landforms formed by deposition? (Levées, flood plains and estuaries).
- How do physical and human factors affect the flood risk? (Precipitation, geology, relief and land use).
- How do we interpret flood hydrographs?
- What are the costs and benefits of the following management strategies? (Hard engineering dams and reservoirs, straightening, embankments, flood relief channels) (Soft engineering flood warnings and preparation, flood plain zoning, planting trees and river restoration)

Places: UK landscapes, Somerset Levels, River Tees.

- How are people spread across the UK?
- What is the location and importance of Birmingham in the UK and the wider world?
- What are the impacts of national and international migration on the growth and character of Birmingham?
- How has urban change created opportunities? (Cultural mix, recreation and entertainment, employment, integrated transport systems, urban greening).
- How has urban change created challenges? (Urban deprivation, inequalities in housing, education, health and employment, dereliction, building on brownfield and greenfield sites, waste disposal).
- How does urban sprawl bring positives and negatives to the rural—urban fringe?
- Why do areas need regeneration?
- How can we make urban areas better places to live? (Management of resources, transport, water and energy conservation, waste recycling, creating green space, and reduce traffic congestion)

Places: UK patterns, Birmingham,

London.

- What factors should be considered when selecting suitable questions for geographical enquiry?
- How do we choose appropriate sources of primary and secondary evidence, including locations for fieldwork?
- What is the difference between primary and secondary data?
- How do we create a risk assessment for our fieldwork activities and how these risks might be reduced?
- How can we identify and selection of appropriate physical and human data?
- How do we measure and record data using different sampling methods?
- How can we describe and justify data collection methods?
- How do we select and accurately use appropriate presentation methods?
- How do we explain and adapt presentation methods?
- How do we establish links between data sets?
- How do we use appropriate statistical techniques?
- Can we identify anomalies in fieldwork data?
- Can we draw evidenced conclusions in relation to original aims of the enquiry?
- Can we evaluate the strengths and weaknesses of the geographical enquiry?

Places: Local area, (currently Felixstowe)

SEND- how will support be seen? Seating plans? Simplified questions?

- All students are placed in seating plans to enable staff to support students and where appropriate to support each other.
- All lessons are designed with clear structure tasks which are broken up into smaller chunks to enable students to build their understanding.
- Appropriate scaffolding is given to help students complete written work. This may include key terms, sentence starters, partially modelled answers...
- Questioning is flexible and tailored to the needs of the group.
- Demonstrations and examples for students to apply to new contexts.

Assessment- What? Why? What **memory for** learning skills will be required- modelling? Concrete answers? Retrieval? Literacy- reading, extended accurate writing and oracy opportunities

- Recall quizzes at the start of every lesson. These may cover keywords or facts and figures from case studies.
- Throughout lessons students will apply the knowledge learned to real GCSE exam questions.
 1,2,3,4-mark questions are SELF ASSESSED using exam board mark schemes, and 6-mark questions are PEER ASSESSED against given criteria.
- At least once per topic students will attempt a 9-mark extended writing exam question – this will be TEACHER ASSESSED to give students feedback on their writing style and quality of knowledge.
- At the end of this topic students will have a FORMAL ASSESSMENT which will include a variety of exam questions and GCSE marking standards and grade boundaries will be applied. Both individual and whole class feedback will be given.

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- One lesson per fortnight students have a REVISIT lesson which is chunked to go over a range of previous learning to promote retention and recall.
- We use a variety of quiz styles and questioning to retrieve prior knowledge.
- Use of knowledge organisers during lessons but also for homework to encourage students to go back over previous learning.
- Students regularly complete a variety of exam questions during lesson to apply their learning.
- Guided analysis of modelled or completion of partially modelled answers with students.
- Keyword plenary tasks to develop repetition of key vocab for students to use.
- Written skills focus writing analytically using evidence to support points, DESCRIBING trends and patterns clearly, using language of COMPARISON effectively. Using language of JUDGEMENT on 9 mark ASSESS questions.
- Reading working on the ability to read different styles of text to find evidence to find meaning and support judgments.
- Use of Keyword banks to ensure students are using the correct language for Geographical concepts.
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Numeracy/computing skills	Calculate: mean/median values, percentages change over time.	 Calculate: mean/median values, percentages change over time. CORRELATION we look at types of correlation in data to make judgements on relationships between variables. 	Calculate: mean/median values, percentages change over time.	 Calculate: mean/median values, ranges CORRELATION we look at types of correlation in data to make judgements on relationships between variables. 	GRAPHING – construction and interpretation population pyramids. CORRELATION we look at types of correlation in data to make judgements on relationships between variables.	 GRAPHING - construction and interpretation of beach profile graphs, pie charts, inverted bar graphs. Calculate: mean/median values, ranges, interquartile ranges. 		
Character development	Respectful and compassionate – students will be looking at a range of other places in the world some of which have experienced extreme poverty or challenges. They will need to be both respectful and compassionate when thinking about the issues facing different groups of people. Resilience – students can also learn how resilient people can be in the face of significant challenges.	Compassion – students will need to put themselves in the position of people affected by coastal erosion and understand why they may feel unhappy with decision not to protect their communities. Resilience – students can also learn how resilient people can be in the face of significant challenges.	Respectful and compassionate – students will be looking at a range of viewpoints about the value of protecting the environment versus economic benefits to people. They will have to consider views which they might disagree with but be able to empathise and identify why they hold them and their validity.	Compassion – students will need to put themselves in the position of people affected by flood risk and understand why they may feel unhappy with decision not to protect their communities. Resilience – students can also learn how resilient people can be in the face of significant challenges.	Respectful and compassionate – students will be looking at a range of places in the UK to appreciate that people experience a range of living conditions and challenges even in wealthy countries such as the UK. They will need to be both respectful and compassionate when thinking about the issues facing different groups of people. Resilience – students can also learn how resilient people can be in the face of significant challenges.	Respectful— students will have to interact with members of the pubic as part of the fieldwork including interviewing them for questionnaires — so they will have to develop their communication skills. Resourcefulness — students may have to adapt to conditions on the day when carrying out their fieldwork.		
Equality /Diversity opportunities	Students will develop awareness of the fact that people can live in the same place but have very different life experiences.	Students will be looking at different coastal communities to understand the differences they face in terms of the impact of the physical geography upon where they live and decisions about whether they qualify for protection.	Students will develop awareness of the different practical choices that people in other places have to make and how they impact other groups of people. Develop awareness of how cultures and societies are influenced by the physical geographies surrounding them.	Students will be looking at different communities located along rivers to understand the differences they face in terms of the impact of the physical geography upon where they live and decisions about whether they qualify for protection.	Students will develop awareness of the fact that people can live in the same place but have very different life experiences. They will also develop understanding of how patterns of ethnicity and deprivation develop within urban areas and across the UK.	Students need to think about how they plan data collection to make sure they are inclusive of different groups of people and opinions.		
Homework/Independent	Satchel based quizzes design to rei	inforce in class learning.	them.					
learning	 Students may be given articles, photographs, graphs, or video clips to interpret and help with the quizzes set. Students may be asked to look at sources from exam papers and answer questions to build their analytical skills. Students may also be set subject specific keywords to learn for in lesson tests. Students will also have EXAM QUESTION set to answer. 							
CIAG coverage/links	Look at the role of URBAN PLANNERS in managing large urban areas and the projects that they might oversee as part of their role.	Students look at the role of COASTAL ENGINEERS and ENVIRONMENTAL RISK MANAGEMENT ASSESSORS in making decisions and designing schemes to protect coastal communities.	Students look at the role of CONSERVATIONISTS in the protection of ecosystems and the types of projects they are involved in. Also develop an appreciation for how your physical setting may affect job opportunities.	Students look at the role of the ENVIRONMENT AGENCY in risk assessment and monitoring. As well as in making decisions and designing schemes to protect people's homes and businesses.	Students will look at the range of job options available in URBAN PLANNING but also in future opportunities in developing sustainable green cities of the future.	We discuss the importance of the various skills of investigation and how they are useful in a variety of job types.		