Year: 9 Geography	Curriculum Intent: Taking our three strands of geography: geomorphic, human and synoptic processes, and by building on the prior Key Stage 3 knowledge we extend students understanding of the process that create our unique processes. Operating within ecosystems from the local to the global scale with a particular emphasis on tropical rainforests and hot desert. We aspire to create a sense of awe and wonder, and a sense of place. For example, examining how humans are modifying and managing these changing areas. Within the human geography strands we are helping students to investigate urban issues and challenges both within our country and beyond, as well as how our use of resources varies around the world, time and space. We also cover synoptic elements helping students understand how our modern world impacts on the planet we live on through investigating global issues such as sustainability and climate change.						
Unit title:	Ter 1Ai) UK Physi 1Aii) Resource	Term 1 Term 1 1Ai) UK Physical Geography 1Aii) Resource management 1B Weather Hazards		Term 2 2A Climate change 2B The Living world		Term 3 3A Urban issues and challenges 3B Revision and End of Year test	
Topic Titles (in order of delivery)	 1Ai UK Physical Geography 1. UK Physical Landscape 2. UK Uplands 3. UK Lowlands 4. UK Climate 5. UK Maps 6. Assessment 1Aii Resource Management 1. Importance of resources 2. Global resource inequality 3. Resources in the UK: Food 1 4. Food 2 5. UK water provision. 6. Water quality, 	 1B Weather Hazards 1. 1.Global atmospheric circulation Pressure and winds Tropical storm distribution and formation Tropical storm structure and features Typhoon Haiyan 1 Typhoon Haiyan 2 Reducing the 	 2A Climate change 1. Evidence of climate change 2. More evidence of climate change 3. Natural causes of climate change 4. Human causes of climate change 5. Effects on people 6. Effects on the 	2B The Living World Ecosystems Small scale ecosystems Change in ecosystems Global scale ecosystems Global scale ecosystems Rainforests Adaptations and biodiversity Deforestation case study Sustainable management Hot Desert – Physical characteristics HD Interdependence and plant 	 3A Urban issues and Challenges 1. Urban change 2. Patterns of and reasons for urbanisation 3. Megacities 4. Rio de Janeiro – intro and opportunities 5. Rio – social and economic challenges and opportunities of rapid urban growth 6. Environmental opportunities and 	3B Fieldwork Fieldwork techniques in preparation of a fieldwork trip on sustainable transport in Milton Keynes. Preparation for end of year exams. End of year exams	
	causes impacts and solutions. 7. UK energy	impacts of tropical storms	environment 7. Mitigation 8. Adaptation	adaptation	challenges of rapid urban growth		

	8. UK energy mix	7. Extreme	9. Revision	11. HD	7. Challenges in
	9. Formation UK	weather in	10. Assessment	Opportunities in	the favelas
	energy	the UK	11. Assessment	hot deserts	8. Improving
	10 . Global energy	8. Somerset	feedback	12. HD	favelas
	inequality	Levels		Desertification	9. Urban world –
	11 . Factors affecting	causes		13. HD Reversing	UK
	energy supply	9. Somerset		desertification	10. London's
	12 Impacts of	Levels		14. Revision	importance
	energy insecurity	effects		15. Assessment	11. London –
	13 Energy insecurity	10. Somerset		16. Review of	social and
	and conflict	Levels		assessment	economic
	14 Fracking	management		assessment	challenges
	15 Increasing energy	11. Extreme			12. London –
	supply with	weather in			social,
	renewables	the UK			economic and
	16 Energy	12. Revision			environmental
	conservation	13. Assessment			opportunities
	17 Local renewable	14. Review of			13. London
	scheme – Micro	assessment			environmental
	hydro -Nepal	assessment			challenges
	18 Assessment				14. London
					regeneration
					– Stratford
					15. Sustainable
					urban living.
	1Ai UK Physical	1B Weather Hazards	2A Climate Change	2B The Living World	3A Urban issues and
	Geography				challenges
	Diversity of UK	Global atmospheric	Climate change is	Ecosystems exist at a	
	physical landscapes	circulation helps to	the result of natural	range of scales and	A growing percentage
	including river	determine patterns	and human factors,	involve the interaction	of the world's
	systems & Tees-Exe	of weather and	and has a range of	between biotic and	population lives in
Key knowledge /	Line	climate.	effects.	abiotic components.	urban areas.
Retrieval topics	Features of UK				
	Uplands	Tropical storms	Managing climate		Urban growth creates
	Features of UK	develop as a result of	change involves both	Tropical rainforests	opportunities and
	Lowlands	particular physical	mitigation (reducing	ecosystems have a range	challenges for cities in
		conditions.	the causes) and	of distinctive	LICs and NEEs
			adaptation	characteristics.	

	Ignoous	Tranical starses have	(recoording to		
	Igneous,	Tropical storms have	(responding to		
	metamorphic and	significant effects on	change).		Urban change in cities
	sedimentary rock	people and the		Deforestation has	in the UK leads to a
	Photographs: aerial,	environment.		economic and	variety of social,
	oblique and satellite			environmental impacts.	economic and
	Climate vs Weather				environmental
	Air masses	The UK is affected by		Tropical rainforests need	opportunities and
	Maps: thematic,	a number of weather		to be managed to be	challenges.
	Miller projection, OS	hazards.		sustainable.	
	maps, choropleth,				
	topographical, &	Extreme weather		Hot desert ecosystems	Urban sustainability
	climatic.	events in the UK		have a range of	requires management
		have impacts on		distinctive characteristics	of resources and
	1Aii Resource	human activity.			transport.
	Management			Development of hot	
	Food, water and			desert environments	
	energy are			creates opportunities	
	fundamental to			and challenges	
	human				
	development.			Areas on the fringe of	
	The changing			hot deserts are at risk of	
	demand and			desertification	
	provision of				
	resources in the UK				
	create opportunities				
	and challenges.				
	1Ai.	1B Weather	2A Climate Change	2B The Living World	3A Urban issues and
	1. Overview of the	Hazards	-	_	challenges
Understanding /	location of major		How climate change	Example of a small scale	
Sequence of delivery	upland/lowland	General atmospheric	might affect the	UK ecosystem to	The global pattern of
Sequence of derivery	areas and river	circulation model:	distribution,	illustrate the concept of	urban change
	systems	pressure belts and	frequency and	interrelationships within	
	2. UK upland areas	surface winds.	intensity of tropical	the natural systems.	Urban trends in in
	3. UK lowlands		storms.	,	different parts of the
	4. UK climate			The balance between	world.
	5. UK Map skills	Global distribution of		components - the	Factors affecting the
		tropical storms.		impact on the ecosystem	rate of urbanisation
				· · · · ·	
	•	•		•	· · ·

1Aii ResourceAn understanding of the relationshipPrimary and secondary effects of tropical stormsif one component is changed.The emergence of megacities.1. The significancebetween tropicaltropical stormsAn overview of themegacities.of food, water andstorms and generalLong term and immediatedistribution andCase study of a major2. Globalcirculation.immediatecharacteristics of largecity in an LIC or NEEinequalities oncauses of tropicalstorms.ecosystems.distribution ofwell-being.storms and theNamed example of apopulation and thepopulation and the3. Food – demand, supply, organic and agribusinessformation andMonitoring, protection andtropical storm.The physical4. Carbon footprintsGausenof theirpropication, protection andtropical rainforest.A case study of a major city in the UK5. Water – demand, 5. Water – demand,The structure andplanning reduces theThe interdependence of
1. The significance of food, water and energybetween tropical storms and general atmospherictropical stormsAn overview of the distribution and characteristics of large ccase study of a major city in an LIC or NEE2. Global inequalities on economic and social well-being.causes of tropical storms and the storms and the storms and the sequence of their formation and development.Long term and immediate responses to tropical storms.Case study of a major city in an LIC or NEE overview of the ecosystems.3. Food - demand, supply, organic and agribusiness 4. Carbon footprints 5. Water - demand,storms and the structure and planning reduces theThe interdependence of The interdependence ofA case study of a major city in the UK
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energy 2. Globalatmospheric circulation.Long term and immediatedistribution and characteristics of largeCase study of a major city in an LIC or NEEinequalities on economic and social well-being.Causes of tropicalstorms.scale natural globalOverview of the distribution ofwell-being.storms and theNamed example of aThe physicalmajor cities in the UK3. Food - demand, supply, organic and agribusinessformation and development.Monitoring, prediction,The physical tropical rainforest.A case study of a major cities in the UK4. Carbon footprints 5. Water - demand,The structure andplanning reduces theThe interdependence ofmajor city in the UK
2. Global inequalities on economic and social well-being.circulation.immediate responses to tropical storms.characteristics of large scale natural global ecosystems.city in an LIC or NEE Overview of the distribution of population and the3. Food – demand, supply, organic and agribusinesscauses of tropical storms and thestorms.causes of tropical storms.storms.overview of the distribution of population and the4. Carbon footprints 5. Water – demand, stormThe structure and planning reduces theplanning reduces theThe interdependence of5. Water – demand, stormThe structure andplanning reduces theThe interdependence ofThe interdependence of
inequalities on economic and social well-being.Causes of tropical storms and the storms and theresponses to tropical storms.scale natural global ecosystems.Overview of the distribution of population and the3. Food - demand, supply, organic and agribusinesssequence of their formation and development.The physical prediction, protection and protection and protection and protection and protection and protection and planning reduces theThe interdependence ofOverview of the distribution of population and the major cities in the UKinequalities on development.Formation and protection and protection and protection andThe interdependence ofOverview of the distribution of population and the major cities in the UKinequalities on development.prediction, protection and protection andThe interdependence ofInterdependence of
economic and social well-being.Causes of tropical storms and thestorms.ecosystems.distribution of population and the3. Food – demand, supply, organic and agribusinesssequence of their formation and development.Named example of a tropical storm.The physical characteristics of a tropical rainforest.major cities in the UK4. Carbon footprintsdevelopment.prediction, protection and protection andtropical rainforest.A case study of a major city in the UK5. Water – demand,The structure andplanning reduces theThe interdependence ofmajor city in the UK
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4. Carbon footprintsprotection andmajor city in the UK5. Water – demand,The structure andplanning reduces theThe interdependence of
5. Water – demand, The structure and planning reduces the The interdependence of
supply, transferfeatures of a tropicaleffects.climate, water, soils,An example of an
schemes storm. plants, animals and urban regeneration
6. Energy surplus people. project to show:
(security) and deficit How climate change An overview of the Reasons why the area
(insecurity) might affect the types of weather Adaptations of plants needed regeneration.
7. Global distribution, hazards in the UK. and animals. The main features of
distribution of frequency and the project.
energy consumption intensity of tropical Example of a recent Issues related to
and supply. storms. weather hazard in biodiversity. Features of a
8. Factors affecting the UK to illustrate: sustainable urban
energy supply: Causes, impacts and Changing rates of living:
physical factors, Primary and how management deforestation Water and energy
production, secondary effects of strategies can A case study of a tropical conservation
technology and tropical storms reduce risk. rainforest to illustrate: Waste recycling
political factors. Evidence that Causes of deforestation, Creating green space
9. Impacts of energy Long term and weather is becoming impacts of deforestation
insecurity – immediate more extreme. How urban transport
exploration of responses to tropical Value of tropical strategies are used to
difficult and storms. Evidence for climate rainforests to people and reduce traffic
environmentally Named example of a change from the the environment. congestion.
sensitive areas, tropical storm. beginning of the
economic and Monitoring, Quarternary period Strategies used to
environmental prediction, to present times. manage the rainforest
costs, food protection and sustainably.

	raduction	plopping reduces the	Dessible sources of	Г П	I	
	production,	planning reduces the	Possible causes of	<u>-</u> , , , ,		
	ndustrial output,	effects.	climate change.	The physical		
p	ootential for conflict			characteristics of a hot		
			Natural factors	desert.		
	Renewable sources	An overview of the				
	of energy	types of weather	Human factors	The interdependence of		
F	racking in the UK	hazards in the UK.		climate, water, soils,		
E	Energy conservation		Overview of the	plants, animals and		
ir	n housing	Example of a recent	effects of climate	people.		
C	Case Study:	weather hazard in	change on people of			
re	enewable energy	the UK to illustrate:	the environment.	How plants and animals		
S	cheme	Causes, impacts and		adapt to the physical		
		how management	Managing climate	conditions.		
		strategies can reduce	change.	Issues related to		
		risk.		biodiversity.		
		Evidence that	Mitigation			
		weather is becoming	Adaptation	Case study of a hot		
		more extreme.	•	, desert to illustrate the		
				opportunities and		
		Evidence for climate		challenges faced in a hot		
		change from the		desert.		
		beginning of the				
		Quarternary period		Causes of desertification.		
		to present times.		Strategies to reduce the		
				risk of desertification.		
		Possible causes of		hisk of descrimention.		
		climate change.				
		chinate change.				
		Natural factors				
		Human factors				
		Overview of the				
		effects of climate				
		change on people of				
		the environment.				

		Managing climate		
		change.		
		Mitigation		
		Adaptation		
Assessment	1. End of Unit			
	1Ai CAT			
	3. Energy			
	Insecurity and			
	Conflict exam			
	question			
	4. End of Unit			
	1Aii CAT			