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Subject :	Geography	Year Group:	10	
Scheme title	Living world	Challenge of natural hazards	River landscape	Urban challenges
Knowledge in sequence	Changing rates of deforestation.  A case study of a tropical rainforest to	Plate tectonics theory.  Primary and secondary effects of a tectonic hazard.	The long profile and changing cross profile of a river and its valley.	A case study of a major city in an LIC or NEE to illustrate:
,	illustrate:	Immediate and long-term responses to a tectonic	Fluvial processes:	the location and importance of the city,
	causes of deforestation – subsistence and	hazard.	erosion – hydraulic action, abrasion, attrition,	regionally, nationally and internationally
	commercial farming, logging, road building, mineral extraction, energy	Use named examples to show how the effects and responses to a tectonic hazard vary	solution, vertical and • lateral erosion	causes of growth: natural increase and migration
	development, settlement, population	between two areas of contrasting levels of wealth.	transportation – traction, saltation, suspension and	how urban growth has created
	growth		solution	opportunities:
	impacts of deforestation – economic	How monitoring, prediction, protection and planning can	deposition – why rivers deposit sediment.	social: access to services – health and
	development, soil erosion, contribution to	reduce the risks from a tectonic hazard.	Characteristics and formation of landforms resulting	education; access to resources – water
	climate change. Value of tropical rainforests to people and the	General atmospheric circulation model: pressure belts	from erosion –  • interlocking spurs, waterfalls and gorges.	supply, energy  • economic: how urban industrial areas
	environment.	and surface winds.	Characteristics and formation of landforms resulting	can be a stimulus for economic
	Strategies used to manage the rainforest		from erosion	development
	sustainably – selective logging and replanting,	Global distribution of tropical storms	and deposition –	how urban growth has created
	conservation and education, ecotourism and	(hurricanes, cyclones, typhoons).	meanders and ox-bow lakes.  Characteristics and formation of landforms resulting	challenges:
	international agreements about the use of tropical hardwoods, debt reduction.	An understanding of the relationship between tropical storms and general atmospheric circulation.	from denosition	managing urban growth – slums, squatter settlements
	dopical hardwoods, debt reduction.	Causes of tropical storms and the sequence of their	levées, flood plains and estuaries.	providing clean water, sanitation
	The physical characteristics of a cold	formation and development.	An example of a river valley in the UK to identify its	systems and energy
	environment.	The structure and features of a tropical storm.	major landforms	providing access to services – health
	The interdependence of climate, permafrost,	How climate change might affect the	of erosion and deposition.	and education
	soils, plants, animals and people.  How plants and animals adapt to the physical	distribution, frequency and intensity of tropical storms. Primary and secondary effects of tropical storms.	How physical and human factors affect the flood risk – precipitation,	reducing unemployment and crime     managing environmental issues –
	conditions.	Immediate and long-term responses to tropical storms.	geology, relief and land use.	waste disposal, air and water pollution,
	Issues related to biodiversity.	Use a named example of a tropical storm to show its	The use of hydrographs to show the relationship	traffic congestion.
	A case study of a cold environment to	effects and responses.	between	An example of how urban planning is improving
	illustrate:	How monitoring, prediction, protection and planning can	precipitation and discharge.	the quality of life for the urban poor.
	development opportunities in cold environments: mineral extraction, energy,	reduce the effects of tropical storms.  An example of a recent extreme weather event	The costs and benefits of the following management strategies:	Overview of the distribution of population and
	fishing and tourism	an example of a recent extreme weather event in the UK to illustrate:	ati ategies.	the major cities in the UK.
	challenges of developing cold	• causes	hard engineering – dams and reservoirs,	A case study of a major city in the UK to
	environments: extreme temperature,	social, economic and environmental	straightening,	illustrate:
	inaccessibility, provision of buildings and	impacts	embankments, flood relief channels	the location and importance of the city in
	infrastructure.	how management strategies can reduce risk.  Coldens a the strategies have been selected as a selected selected as a selected selected as a selected sel	soft engineering – flood warnings and preparation,	the UK and the wider world
		Evidence that weather is becoming more extreme in the UK.	flood plain zoning, planting trees and river restoration.	impacts of national and international migration on the growth and character of
		J	An example of a flood management scheme in the UK	migration on the growth and character of the city
		Evidence for climate change from the beginning of the	to show:	how urban change has created
		Quaternary period to the present day.	why the scheme was required	opportunities:
		Possible causes of climate change	the management strategy	social and economic: cultural mix,
		Managing and mitigating climate change.	the social, economic and environmental issues.	recreation and entertainment, employment, integrated transport
				systems
				environmental: urban greening
				how urban change has created
				challenges:
				social and economic: urban
				deprivation, inequalities in housing, education, health and employment
				environmental: dereliction, building on
				brownfield and greenfield sites, waste
				disposal
				the impact of urban sprawl on the
Skills	How to answer a 9 mark exam question.     Figure skills, graphs, photographs.	How to answer a 9 mark exam question.     Figure skills; graphs, photographs.	How to answer a 6 mark exam question.     Figure skills, graphs, photographs.	How to answer a 9 mark exam question.      Figure skills, graphs, photographs.
	Figure skills; graphs, photographs.     Concept of wealth and development.	Concept of wealth and development.	Figure skills; graphs, photographs.     Map skills	Figure skills; graphs, photographs.     Concept of wealth and development.
	Interdependence.	Physical processes.	Decision making	Sustainability.
	Sustainability.	Sustainability.		Opportunities and challenges.
	Opportunities and challenges.	Interdependence.		Decision making
	Decision making     Evaluation and assessment techniques.	Plate movement (science)     Climate change (science).		Evaluation and assessment techniques.
	Evaluation and assessment techniques.	Climate change (science).		
Key Words	Ecosystem	Tectonic hazard	Drainage basin	Urbanisation
Key Words	Biome	Volcano	Watershed	Push factor
Key Words	Biome Habitat	Volcano Earthquake	Watershed Confluence	Push factor Pull factor
Key Words	Biome	Volcano	Watershed	Push factor
Key Words	Biome Habitat Abiotic Biotic Food chain	Volcano Earthquake Distribution Hazard risk Primary effect	Watershed Confluence Tributary Estuary Cross profile	Push factor Pull factor Favela Padfication Integration
Key Words	Biome Habitat Abiotic Biotic Food chain Food web	Volcano Earthquake Distribution Hazard risk Primary effect Secondary effect	Watershed Confluence Tributary Estuary Cross profile Long profile	Push factor Pull factor Favela Padification Integration Deprivation
Key Words	Biome Habitat Abiotic Biotic Food chain Food web Tropical rainforest	Volcano Earthquake Distribution Hazard risk Primary effect Secondary effect Immediate response	Watershed Confluence Tributary Estuary Cross profile Long profile Lateral erosion	Push factor Pull factor Favela Pacification Integration Deprivation Integrated transport
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End Point	Blome Habitat Abiotic Blotic Blotic Food chain Food web Tropical rainforest Canopy Under canopy Shrub layer Nutrition cycle Soil erosion Adaptation Permafrost  Paper 1 Section B 25 marks  Lesson 4- Progress point on key terms, structure and location of ecosystems.	Volcano Earthquake Distribution Hazard risk Primary effect Secondary effect Immediate response Long term response 3 P's Atmospheric direulation Low pressure High pressure High pressure Hodey Cell Tropical storm Typhoon Eye of the storm Climate change Solar flare Axial tilt Milankowitch cycle Mitigation Adaptation  Paper 1 Section A 33 marks  Lesson 5- Progress point on the knowledge of distribution and causes of tectonic hazards.	Watershed Confluence Tributary Estuary Estuary Cross profile Long profile Lateral erosion Vertical erosion Hydraulic action Hydraulic action Attrition Solution Traction Salaztion Salaztion Suspension Solution Deposition Interlocking spur V shaped valley Waterfall Gorge Plunge pool Meander Silip off slop River cliff Ox-bow lake Levees Floodplain Hydrograph Precipitation Geology Paper 1 Section C 15 marks Lesson 3- Key terms progress point Lesson 10 Progress point-use of exam questions to	Push factor Favela Pacification Integrated Transport Sustainable cities Gentrification  Paper 2 Section A 33 marks  Lesson 3- Progress point on rates of urbanisation.  Lesson 11 Mid unit assessment 33 marks exam paper 40 min to complete- NEE
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End Point	Blome Habitat Abiotic Biotic Biotic Food chain Food web Tropical rainforest Canopy Under canopy Shrub layer Nutrition cycle Soil erosion Adaptation Permafrost  Lesson 14- Progress point on key terms, structure and location of ecosystems. Lesson 16 Mid unit assessment 30 marks exam paper 40 min to complete-TRF focus Lesson 25 End of unit assessment 60 mark assessment 30 mark full Paper1 section 8 with 30	Volcano Earthquake Distribution Hazard risk Primary effect Secondary effect Immediate response Long term response 3 P's Atmospheric dirculation Low pressure High pressure Hadley Cell Tropical storm Typhoon Eye of the storm Climate change Solar flare Axial tilt Milankovitch cycle Mitigation Adaptation  Paper 1 Section A 33 marks  Lesson 5- Progress point on the knowledge of distribution and causes of tectonic hazards.  Lesson 10 Mid unit assessment 33 marks exam paper 1	Watershed Confluence Tributary Estuary Cross profile Long profile Lateral erosion Vertical erosion Vertical erosion Hydraulic action Attrition Solution Traction Saltation Suspension Solution Deposition Interlocking spur V shaped valley Waterfall Gorge Plunge pool Meander Silp off slop River cliff Ox-bow lake Leves Floodplain Hydrograph Precipitation Geology Paper 1 Section C 15 marks  Lesson 3- Key terms progress point Lesson 10 Progress point-use of exam questions to assess knowledge of lessons 1-10. Lesson 18 cumulative assessment for River and	Push factor Favela Padification Integrated transport Sustainable cities Gentrification  Paper 2 Section A 33 marks  Lesson 3- Progress point on rates of urbanisation.  Lesson 11 Mid unit assessment 33 marks exam paper 40 min to complete-NEE city only
End Point	Blome Habitat Abiotic Blotic Blotic Food chain Food web Tropical rainforest Canopy Under canopy Shrub layer Nutrition cycle Soil erosion Adaptation Permafrost  Lesson 4- Progress point on key terms, structure and location of ecosystems. Lesson 16 Mid unit assessment 30 marks exam paper 40 min to complete-TRF focus Lesson 25 End of unit assessment 60 mark	Volcano Earthquake Distribution Hazard risk Primary effect Secondary effect Immediate response Long term response 3 ** Atmosphere Atmospheric direutation Low pressure High pressure Hadley Cell Tropical storm Typhoon Eye of the storm Climate change Solar flare Axial tilt Milankowitch cycle Mittgation Adaptation  Paper 1 Section A 33 marks  Lesson 5- Progress point on the knowledge of distribution and causes of tectonic hazards.  Lesson 10 Mid unit assessment 33 marks exam paper 1 hour to complete Lesson 23 End of unit assessment 48 Lesson 23 End of unit assessment 48 Lesson 23 End of unit assessment 48 Lesson 23 End of unit assessment 33 marks assessment 46 Lesson 23 End of unit assessment 33 marks assessment 46 Lesson 23 End of unit assessment 33 marks assessment 46 Lesson 23 End of unit assessment 33 marks assessment 46 Lesson 23 End of unit assessment 33 marks assessment 46 Lesson 23 End of unit assessment 33 marks assessment 46 Lesson 23 End of unit assessment 33 marks assessment 46 Lesson 23 End of unit assessment 33 marks assessment 46 Lesson 23 End of unit assessment 33 marks assessment 46 Lesson 23 End of unit assessment 33 marks assessment 46 Lesson 23 End of unit assessment 33 marks assessment 46 Lesson 23 End of unit assessment 33 marks assessment 46 Lesson 25 End of unit assessment 33 marks assessment 46 Lesson 25 End of unit assessment 33 marks assessment 46 Lesson 25 End of unit assessment 33 marks assessment 48 Lesson 25 End of unit assessment 34 marks assessment 48 Lesson 25 End of unit assessment 37 Lesson 25 Lesso	Watershed Confluence Tributary Estuary Estuary Cross profile Long profile Lateral erosion Vertical erosion Vertical erosion Hydraulic action Abrasion Attrition Solution Traction Salatation Suspension Solution Deposition Interlocking spur V shaped valley Waterfall Gorge Plunge pool Meander Slip off slop River cliff Ove-bow lake Levees Floodplain Hydrograph Precipitation Geology Paper 1 Section C 15 marks Lesson 3- Key terms progress point Lesson 10 Progress point—use of exam questions to assess knowledge of lessons 1-10. Lesson 18 cumulative assessment for River and Changing economic world. 60 mark paper, 1 hour to	Pash factor Favela Factication Integrated transport Sustainable cities Gentrification  Paper 2 Section A 33 marks  Lesson 3- Progress point on rates of urbanisation.  Lesson 11 Mid unit assessment 33 marks exam paper 40 min to complete-NEE city only  Lesson 22 End of unit assessment 50 mark assessment-33 mark full Paper1
End Point	Blome Habitat Abiotic Biotic Biotic Food chain Food web Tropical rainforest Canopy Under canopy Shrub layer Nutrition cycle Soil erosion Adaptation Permafrost  Lesson 14- Progress point on key terms, structure and location of ecosystems. Lesson 16 Mid unit assessment 30 marks exam paper 40 min to complete-TRF focus Lesson 25 End of unit assessment 60 mark assessment 30 mark full Paper1 section 8 with 30	Volcano Earthquake Distribution Hazard risk Primary effect Secondary effect Immediate response Long term response 3 ** Atmosphere Atmospheric direutation Low pressure High pressure Hadley Cell Tropical storm Typhoon Eye of the storm Climate change Solar flare Axial tilt Milankowitch cycle Mittgation Adaptation  Paper 1 Section A 33 marks  Lesson 5- Progress point on the knowledge of distribution and causes of tectonic hazards.  Lesson 10 Mid unit assessment 33 marks exam paper 1 hour to complete Lesson 23 End of unit assessment 48 Lesson 23 End of unit assessment 48 Lesson 23 End of unit assessment 48 Lesson 23 End of unit assessment 33 marks assessment 46 Lesson 23 End of unit assessment 33 marks assessment 46 Lesson 23 End of unit assessment 33 marks assessment 46 Lesson 23 End of unit assessment 33 marks assessment 46 Lesson 23 End of unit assessment 33 marks assessment 46 Lesson 23 End of unit assessment 33 marks assessment 46 Lesson 23 End of unit assessment 33 marks assessment 46 Lesson 23 End of unit assessment 33 marks assessment 46 Lesson 23 End of unit assessment 33 marks assessment 46 Lesson 23 End of unit assessment 33 marks assessment 46 Lesson 23 End of unit assessment 33 marks assessment 46 Lesson 23 End of unit assessment 33 marks assessment 46 Lesson 25 End of unit assessment 33 marks assessment 46 Lesson 25 End of unit assessment 33 marks assessment 46 Lesson 25 End of unit assessment 33 marks assessment 48 Lesson 25 End of unit assessment 34 marks assessment 48 Lesson 25 End of unit assessment 37 Lesson 25 Lesso	Watershed Confluence Tributary Estuary Estuary Cross profile Long profile Lateral erosion Vertical erosion Vertical erosion Hydraulic action Abrasion Attrition Solution Traction Salatation Suspension Solution Deposition Interlocking spur V shaped valley Waterfall Gorge Plunge pool Meander Slip off slop River cliff Ove-bow lake Levees Floodplain Hydrograph Precipitation Geology Paper 1 Section C 15 marks Lesson 3- Key terms progress point Lesson 10 Progress point—use of exam questions to assess knowledge of lessons 1-10. Lesson 18 cumulative assessment for River and Changing economic world. 60 mark paper, 1 hour to	Pash factor Favela Factication Integrated transport Sustainable cities Gentrification  Paper 2 Section A 33 marks  Lesson 3- Progress point on rates of urbanisation.  Lesson 11 Mid unit assessment 33 marks exam paper 40 min to complete-NEE city only  Lesson 22 End of unit assessment 50 mark assessment-33 mark full Paper1
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