Geography – Year 10

	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
Year 10	**Ecosystems 2** **Content Outline:** • Introduction to the tropical rainforest (soils, climate, vegetation, animals) • Vegetation and animal adaptations in the tropical rainforest (including stratification) • How do humans use the Amazon Rainforest? (logging, mining, HEP, settlements, roads, subsistence farming) • Positive and negative impacts of human interference in the Amazon (deforestation) • 2 lessons - sustainable practices to reduce deforestation in the rainforest ***Additional resources*** • *Learning ladder* • *Knowledge organiser* • *Practice exam questions booklet*	**Natural Hazards 1** **Content Outline:** • Types of natural hazard • Theory of plate tectonics and continental drift • Plate margins (2 lessons) • Introduction of earthquakes – focus, epicentre, Richter Scale • Case study: Haiti (causes, effects and responses) • 8 mark case study practice using Haiti • Case study: Kobe (causes, effects and responses) • 8 mark case study practice using Kobe • Prediction and planning for earthquakes to reduce risk and impact • Impact of earthquakes in HICs and LICs • Global atmospheric circulation (2 lessons)	**Natural Hazards 2** **Content Outline:** • Tropical storm cross section. How climate change has impacted on tropical storms – Haiyan intensity, frequency. • Case study: Typhoon Haiyan (causes, effects and responses) • 8 mark case study practice using Typhoon Prediction and planning for tropical storms to reduce risk and impact • Evidence of extreme weather in the UK • Causes and effects of the Somerset Floods • Responses to the Somerset Floods and 8 mark practice case study question • Evidence of Climate Change • Natural causes of climate change • Human causes of climate change	**UK Physical Landscapes- Rivers** **Content Outline:** • Overview of UK landscapes – physical, urban. • Waves – terminology and anatomy of constructive and destructive waves • Processes of weathering and erosion along the coastline • Mass movement • Wave cut platform formation • Headland and bay formation • Cave, arch, stack formation • Processes of transportation (longshore drift) and deposition • 2 lessons on the formation of depositional landforms – beach, sand dunes, spit, bar, tombola • Why is it important to protect the coastline?	**UK Physical Landscapes- Coasts** **Content Outline:** • Water cycle and drainage basin recap using OS map • River profile – cross profile and long profile in the upper, middle and lower profiles • River processes – weathering, erosion, transportation and deposition. Include the types of erosion and transportation. • 2 lessons - landform formation in the upper course – gorge, waterfall and V shape valley • Meander and ox-bow lake formation • 2 lessons – landform formation in the lower course – estuary, floodplain and levees • Locating river landforms on OS maps using contour lines, grid references and symbols	**Physical Fieldwork** **Content Outline:** Are coastal management strategies effective at preventing the risk of erosion along the Walton on the Naze coastline? Work through pre-prepared booklet on: • What are the key characteristics of the Naze coastline? • Why it is at risk of erosion? Rock type, destructive wave, concordant coastline • What are management strategies? • What are the SMPs along the Naze coastline? What is currently being done to protect the coastline? • Primary data collection techniques: ➢ *wave count,* ➢ *bipolar evaluation*

		• What is a tropical storm and how are they caused? ***Additional resources*** • *Learning ladder* • *Knowledge organiser* • *Practice exam questions booklet*	Mitigation and adaptation against climate change ***Additional resources*** • *Learning ladder* • *Knowledge organiser* • *Practice exam questions booklet*	• Hard engineering strategies • Soft engineering strategies • Managed retreat Case study: Happisburgh (erosion and management) ***Additional resources*** • *Learning ladder* • *Knowledge organiser* • *Practice exam questions booklet*	• Reading storm hydrographs. What affects the likelihood of flooding (urbanisation, vegetation, deforestation, rock type, gradient) • Case study: social, economic and environmental impacts of the Somerset Floods • Hard engineering • Soft engineering Case study: how did the government respond to the Somerset floods to reduce the impact and risk of future flooding? ***Additional resources*** • *Learning ladder* • *Knowledge organiser* • *Practice exam questions booklet*	➢ *longshore drift test* ➢ *cost benefit analysis field sketch* • Secondary data collection techniques: ➢ *flood risk mapping* • How is this data represented? Graphs and maps. ***Fieldtrip:*** *When pupils return complete a lesson looking at the data representation techniques (graphs and maps) used to show the data collected. The teacher pre-prepares this for the students. They must learn it for their exam in paper 3.*

	Summative assessment: **Interleaved exam** • Economic Development • Urban Issues • Ecosystems (Range of 1-9 mark questions) **Assessment Objectives:** **AO1** Knowledge **AO2** Geographical Understanding **AO3** Application **AO4** Geographical Skills	**Summative assessment:** **Interleaved exam** • Economic Development • Urban Issues • Ecosystems • Natural hazards (Range of 1-9 mark questions) **Assessment Objectives:** **AO1** Knowledge **AO2** Geographical Understanding **AO3** Application **AO4** Geographical Skills	**Summative assessment:** **Interleaved exam** • Economic Development • Urban Issues • Ecosystems • Natural hazards (Range of 1-9 mark questions) **Assessment Objectives:** **AO1** Knowledge **AO2** Geographical Understanding **AO3** Application **AO4** Geographical Skills	**Summative assessment:** **Interleaved exam** • Economic Development • Urban Issues and Challenges • Ecosystems • Natural Hazards • UK Physical Landscapes (Rivers) (Range of 1-9 mark questions) **Assessment Objectives:** **AO1** Knowledge **AO2** Geographical Understanding **AO3** Application **AO4** Geographical Skills	**Summative assessment:** **Interleaved exam** • Economic Development • Urban Issues and Challenges • Ecosystems • Natural Hazards • UK Physical Landscapes (Rivers and Coast) (Range of 1-9 mark questions) **Assessment Objectives:** **AO1** Knowledge **AO2** Geographical Understanding **AO3** Application **AO4** Geographical Skills	**Summative assessment:** **Exam** • Paper 3 (Range of 1-9 mark questions) **Synoptic end of year exam** • Economic Development • Urban Issues and Challenges • Ecosystems • Natural Hazards • UK Physical Landscapes (Rivers and Coast) • **Fieldwork** • Paper 1, Paper 2, Section B of Paper 3. • 215 marks Questions taken from 2018/9 exam **Assessment Objectives:** **AO1** Knowledge **AO2** Geographical Understanding **AO3** Application **AO4** Geographical Skills