Holy Family Catholic School – Faculty of Geography Autumn Half-Term 1 Year 11

Learning Intention	Vocab	Concept	Retrieval	Success Criteria	Red Zone
W1 L1 Coasts recap		Physical environment - Rivers	Coasts	I can recall key coastal processes I can explain how waves shape the coast I can assess the impact of coastal management	
W1 L2 Coasts recap		Physical environment - Rivers	Coasts	I can recall key coastal processes I can explain how waves shape the coast I can assess the impact of coastal management	
W1 L3 To understand how the shape of a river changes as it flows downstream	Upper course Middle course Lower course Gradient Velocity Discharge	Physical environment - Rivers	Coasts images	I can describe changes in width, depth, gradient downstream I can explain how velocity and discharge change downstream I can link these to erosional and depositional processes	1. Describe how a river valley changes shape downstream. Refer to the three courses of a river and its long and cross profile. 2. Explain how vertical erosion creates the shape of the upper course of a river, and how lateral erosion creates the shape of the middle and lower courses.
W2 L4 To explain the formation of V-shaped valleys and interlocking spurs	Vertical erosion Interlocking spurs Freeze-thaw weathering Tributaries	Physical environment - Rivers	Coastal Landscapes	I can describe how vertical erosion creates V-shaped valleys I can explain the role of physical processes in shaping interlocking spurs	1. Explain how physical process interact in the formation of V-shaped valleys. Use the PE (Point, Explain) structure. Repeat until the process is fully explained. 2. Explain why V shaped valleys do not form in the lower course of a river.

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				I can use diagrams to illustrate	
W2 L5 To understand the formation of waterfalls and gorges	Hard rock soft rock Undercutting Plunge pool Gorge	Physical environment - Rivers	Coastal Landscapes	I can describe how waterfalls form at bands of hard and soft rock I can explain how gorges form over time I can illustrate the process using labelled diagrams	1. Explain the formation of a waterfall. Draw simple diagrams to support your explanations. 2. Why does a taller waterfall have more energy? 3. Where is vertical erosion going to take place the quickest and why?
W3 L6 To explain the formation of meanders and ox-bow lakes	Helicoidal flow Erosion Deposition Slip-off slope River cliff Oxbow lake	Physical environment - Rivers Physical environment - Rivers	Rivers	I can explain how meanders form through erosion and deposition I can describe how meanders migrate over time I can explain how ox-bow lakes are formed	1. Explain why meanders move over time 2. Explain the formation of ox-bow lakes 3. Explain why ox-bow lakes don't form in the upper course of a river
W3 L7 To understand the formation of flood plains and levees	Floodplain Levee Alluvium Deposition Overbank flooding	Physical environment - Rivers	Rivers	I can describe how floodplains and levees are formed I can explain the role of deposition during floods I can assess their significance to river landscapes	Explain how levees are formed, include types of transport and energy at the following points: • In the river channel • On the river banks • Further out on the floodplain

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W3 L8 To understand how estuaries (a river depositional landform) is created		Physical environment - Rivers	Rivers	I can describe what an estuary is I can explain how deposition and tidal action create estuaries I can assess their importance for people and ecosystems	Explain how a river estuary is formed. Your answer must include the whole process: • Which part of the river has the largest amount of sediment • Where and why deposition occurs • What happens after deposition occurs • How the river changes after the process has repeated multiple times
W4 L9 To understand the water cycle	Precipitation Evaporation Transpiration Infiltration Surface runoff Groundwater flow	Physical environment - Rivers	Rivers	I can identify the stages of the water cycle I can describe transfers and stores I can explain how the water cycle links to river flooding	Describe all stages of the water cycle. Include the terms: precipitation, evaporation, transpiration, surface runoff, infiltration, through flow and groundwater flow
W4 L10 To understand the human and physical factors that affect flooding	Deforestation Urbanisation Impermeable surfaces Heavy rainfall Saturated ground	Physical environment - Rivers	Coasts	I can describe physical and human causes of flooding I can explain how these factors increase flood risk I can assess which is more important in a case study example	Which is most responsible for flooding - physical or human causes? Justify your answer.
W5 L11 To understand how to read hydrographs	Storm hydrograph Rising limb Peak discharge Lag time Falling limb	Physical environment - Rivers	Coasts	I can interpret storm hydrographs I can explain differences in lag time and peak discharge I can link these to catchment	What do these hydrographs show?

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				characteristics and human factors	
W5 L12 To understand how hard engineering strategies reduce flooding in river landscapes	Dam Reservoir Channelisation Embankments Flood relief channel	Physical environment - Rivers	Rivers	I can describe different types of hard engineering I can explain how they reduce flood risk I can assess their advantages and disadvantages	Write four paragraphs summarising the main features of the four types of river hard engineering. Hard engineering strategies are often used to protect large towns or cities, and not rural (countryside) areas. Why is the size of population and the value of land significant in influencing this decision?
W5 L13 To understand how river management strategies aim to reduce the risk of flooding		Physical environment - Rivers			How do river management strategies aim to reduce the risk of flooding?
W6 L14 To analyse Flood management strategies in Boscastle	Boscastle Flood management Hard engineering Soft engineering	Physical environment - Rivers	Coastal & Rivers landscapes	I can describe the 2004 Boscastle flood event I can explain how management reduced future flood risk I can assess the benefits and limitations of these strategies	'Flood management strategies create benefits for local communities'. To what extent do you agree with this statement?
W6 L15 To identify a range of physical and human features from an Ordnance Survey map.	Contour lines Grid references Scale Settlement	Physical environment - Rivers		I can identify human and physical features on an OS map I can use 4- and 6-figure grid references	Complete the map skills activities sheet.

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				I can interpret contour lines to describe relief	
W7 L16 To understand the factors affecting the rate of urbanisation	Urbanisation Rural-urban migration Natural increase Push and pull factors	Human environment – Urban issues	Deserts	I can explain factors causing urbanisation I can describe differences between LICs, NEEs and HICs I can assess why urbanisation rates vary globally	The fastest rates of urbanisation are in LICs & NEEs due to rural-urban migration. Suggest what rates of urbanisation are like in HICs. Give a reason for your answer.
W7 L17 To understand what living conditions are like in favelas and how natural increase can affect the rate of urbanisation		Human environment – Urban issues	Deserts		Describe the distribution of megacities in 2030 using the TEA structure. Suggest why the number of megacities in Europe are not predicted to grow as rapidly as megacities in Asia.
W7 L18 To investigate the different areas within Rio de Janeiro and understand the importance of Rio nationally and internationally	Rio de Janeiro	Human environment – Urban issues	Data	I can describe different areas of Rio I can explain its national and international importance I can assess the role of global events like the Olympics	Explain the local and global importance of Rio de Janeiro. (6 marks) Suggest why global events, such as the Olympic Games, may not help develop the city of Rio.
W8 L19 To understand the economic opportunities and challenges created	Formal economy Informal economy Industry Services	Human environment – Urban issues	Urban issues	I can explain economic opportunities created by urban growth I can describe challenges caused by informal work I can assess the balance	Explain the economic opportunities and challenges in a LIC or NEE city you have studied (6 marks). Include specific facts and figures in your answer.

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by Rio's urban growth				between opportunities and challenges	Are there more economic opportunities or challenges in Rio? Justify your answer.
W8 L20 To understand the social opportunities and challenges created by urban growth in Rio de Janeiro	Healthcare Education	Human environment – Urban issues	Rio de Janeiro	I can describe social opportunities in Rio I can explain challenges linked to rapid urbanisation I can assess how far social opportunities outweigh challenges	Explain two opportunities in Rio de Janeiro. A PEE on formal jobs, and a PEE on the Schools of Tomorrow programme. Explain two challenges in Rio de Janeiro. A PEE on housing and a PEE on healthcare.