

Geography GCSE Learning Journey

Topic	Case study example
UK Physical Landscapes	
RIVER LANDSCAPES	
Long Profile and changing cross profile of a river and its valley	
Fluvial Processes (Erosion, Transportation, Deposition)	
Characteristic and landforms linked to erosion: Interlocking spurs, waterfalls (High Force) and gorges	
Characteristics and formation of landforms resulting from erosion and deposition: Meanders, Ox-bow lakes.	
Characteristics and formation of landforms resulting from deposition: Levees, flood plains and estuaries	
An example of a river valley in the UK to identify its major landforms of erosion and deposition (High Force waterfall, meander at Yarm and Tees estuary at Stockton-on-Tees)	River Tees
Hydrographs – relationship between precipitation and discharge	
Physical and Human factors affect flood risk	
Hard engineering (Dams & reservoirs, Straightening, Embankments, Flood relief channels)	
Soft engineering (Flood warning & preparation, Flood plain zoning, Planting trees, River restoration)	
Example of a flood management scheme: Why was the scheme was required, describe the management strategy, evaluate the effectiveness of the scheme (social, economic and environmental issues)	Foss Barrier - River Ouse, York
COASTAL LANDSCAPES	
Wave type and characteristics	
Weathering and Mass Movement (mechanical, chemical, sliding, slumping)	
Marine erosion (hydraulic power, attrition, abrasion, corrosion, solution)	
Transportation (including longshore drift)	
Deposition	
Other factors that affect the coast - geological structure (lithology) and rock type	
Features of erosion (Headlands & bays, cliffs, wave cut platforms, arches, stacks)	
Features of coastal deposition (beaches, sand dunes, spits and bars)	
An example of a section of coastline in the UK to identify its major landforms of erosion and deposition (Spurn Point spit, erosion at Mablethorpe, beach at Hornsea and Flamborough Head caves, arches and stacks)	Holderness coast
Hard engineering (Sea walls, rock armour, gabions and groynes)	
Soft engineering (Beach nourishment & profiling, dune regeneration, managed retreat – coastal realignment.)	
Example of a coastal management scheme in the UK Why was the scheme was required, describe the management strategy, evaluate the effectiveness of the scheme (social, economic and environmental issues)	Mablethorpe on the Holderness coast