

GCSE – The Coastal Environment – Personal Learning Checklist

How confident are you at defining and using these key pieces of vocabulary?

	Red	Amber	Green		Red	Amber	Green
Weathering				Managed Retreat			
Erosion				Hold/ retreat the line			
Transportation				Shoreline Management Plan			
Deposition				Stakeholder			
Longshore Drift				Geology			
Landform				Ecosystem			
Geomorphological				Psammosere			
Mass Movement				Embryo Dune			
Marine				Mobile Dune			
Hard Engineering				Fixed Dune			
Soft Engineering				Human Activity			

Learning Content			
Knowledge: I can ...			
Give the meaning of each erosion process: hydraulic action, abrasion, attrition, and solution.			
Give the meaning of each transport process: traction, saltation, suspension, and solution.			
Give the meaning of key terms associated with ecosystems: biotic, abiotic, nutrient cycle, energy flow, and food webs.			
Describe the main features of each of the following coastal landforms: Headlands & Bays; Cliffs & Wave Cut Platforms; Arches & Stacks; Beaches; Spits; Estuaries.			
Describe how marine processes shape coastal landforms.			
Describe the characteristics of a sand dune ecosystem.			
Understanding: I can ...			
Give two different reasons how economic activity has modified the coastal landscape.			
Explain how coastal erosion/ coastal flooding can be reduced by: Sea walls; groynes; gabions; rock armour; beach nourishment; beach stabilisation; wetland creation.			
Explain the role of government and local authorities in shaping SMPs.			
Explain how coastal processes create each of the following coastal landforms: Headlands & Bays; Cliffs & Wave Cut Platforms; Arches & Stacks; Beaches; Spits; Estuaries.			
Explain how local communities (stakeholders) benefit from sand dune ecosystems and perceive their value.			
Analysis: I can ...			
Compare the concepts of 'hold the line' and 'retreat the line'.			
Suggest how geology influences rates of erosion and the creation of distinctive coastal landscapes.			
Suggest why stakeholders (different groups of people) hold conflicting views on coastal management and then explain why they have these views.			
Compare the characteristics of embryo dunes, mobile dunes and fixed dunes.			
Evaluation: I can ...			
Weigh up the relative social, economic and environmental costs and benefits of coastal management.			
Show that I can make connections between the impact of coastal management in one place and the effects of the management elsewhere e.g. further down shore.			
Explain why some strategies are more sustainable than when managing sand dune ecosystems.			
Decision Making: I can ...			
Rank the effectiveness of different strategies that attempt to reduce the erosion/ flood risk.			
Use evidence to demonstrate why one method of coastal management is more sustainable than another.			
Make suggestions to reduce tension between different groups of people (stakeholders) when management decisions are controversial in coastal landscapes (Inc. sand dunes).			