

3.1.3 Physical landscapes in the UK Year 4

3.1.3.1 UK physical landscapes

Key idea	Specification content	Case studies	Learning activity and resources
The UK has a range of diverse landscapes.	Overview of the location of major upland/lowland areas and river systems.		Maps from memory thinking skills activity. Create class definitive version. Annotate the map of the UK

3.1.3.2 Coastal landscapes in the UK Year 4

Key idea	Specification content	Case studies Homework	Learning activity and resources
The coast is shaped by a number of physical processes.	Wave types and characteristics. Coastal processes: weathering processes – mechanical, chemical mass movement – sliding, slumping and rock falls erosion – hydraulic power, abrasion and attrition		Teacher led/taught using videos and animations widely available. Leads to good clear diagrams/notes so that students have solid technical knowledge of key processes. Characteristics of waves and what determines these characteristics Table to contrast constructive and destructive waves Explanation of the difference between mechanical and chemical weathering and erosion Mass movement and resultant landforms

<p>Different management strategies can be used to protect coastlines from the effects of physical processes.</p>	<p>The costs and benefits of the following management strategies:</p> <p>hard engineering – sea walls, rock armour, gabions and groynes</p> <p>soft engineering – beach nourishment and re-profiling, dune regeneration</p> <p>managed retreat – coastal realignment.</p> <p>One example of a coastal management scheme in the UK to show:</p> <p>the reasons for management</p> <p>the management strategy</p> <p>the resulting effects and conflicts.</p>	<p>Past GCSE questions on hard and soft engineering</p> <p>Holderness coast</p> <p>Barton on Sea</p>	<p>Table to show the Costs/benefits for each strategy, info search from provided resources.</p> <p>1 hour group discussion and checking understanding/details and key terms.</p> <p>Or</p> <p>1 hour issue evaluation exercise for alternative/proposed schemes to develop paper 3 skills. Could be prepared for homework using pre-release style material.</p>
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