

GCSE Geography

Coastal Landscapes in the UK

Key Ideas of this module

The UK has a range of diverse landscapes

- Overview of the diverse coastline around the UK.

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
- **transportation** – longshore drift
- **deposition** – why sediment is deposited in coastal areas

Distinctive coastal landforms are the result of rock type, structure and physical processes

- How geological structure and rock type influence coastal forms
- **Erosional Landforms:** headlands and bays, cliffs and wave cut platforms, caves, arches and stacks
- **Depositional Landforms:** beaches, sand dunes, spits and bars.
- **Case study** section of coastline in the UK to identify its major landforms of erosion and deposition – **Holderness**

Different management strategies can be used to protect coastlines from the effects of physical processes

The costs and benefits of the following management strategies:

- **hard engineering** – sea walls, rock armour, gabions and groynes
- **soft engineering** – beach nourishment and re-profiling, dune regeneration managed retreat – coastal realignment.
- **Holderness Coast** coastal management scheme in the UK: reasons for management, the management strategy, effects and conflicts.

Read

Watch

- Coast, BBC series

GCSE Geography

Coastal Landscapes in the UK

Key Ideas of this module

The UK has a range of diverse landscapes

- Overview of the diverse coastline around the UK.

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
- **transportation** – longshore drift
- **deposition** – why sediment is deposited in coastal areas

Distinctive coastal landforms are the result of rock type, structure and physical processes

- How geological structure and rock type influence coastal forms
- **Erosional Landforms:** headlands and bays, cliffs and wave cut platforms, caves, arches and stacks
- **Depositional Landforms:** beaches, sand dunes, spits and bars.
- **Case study** section of coastline in the UK to identify its major landforms of erosion and deposition – **Holderness**

Different management strategies can be used to protect coastlines from the effects of physical processes

The costs and benefits of the following management strategies:

- **hard engineering** – sea walls, rock armour, gabions and groynes
- **soft engineering** – beach nourishment and re-profiling, dune regeneration managed retreat – coastal realignment.
- **Holderness Coast** coastal management scheme in the UK: reasons for management, the management strategy, effects and conflicts.

Read

Watch

- Coast, BBC series