



Sets (s): All Y10 classes.

YEAR 10

LP1

SUBJECT Geography

Knowledge Focus:

Landscapes and Physical Processes: Coasts.

This half term : Skills, Knowledge and understanding to be developed:

How do processes work together to create landform features at different scales in coastal landscapes in Wales?
What factors affect the rates of landform change in coastal landscapes in the UK?
Skills to draw annotated diagrams e.g. to show the development of a stack from a headland.

Key Terms to be learned this half term:

Erosion, abrasion, attrition, hydraulic action, solution transportation: backwash, swash, longshore drift, constructive / destructive wave, deposition, headlands, bays, concordant / discordant coastline, cliffs, beaches, dune, spit, arch, cave, stack, stump, tombolo, wave-cut platform.

Week 1 and 2 Learning Objectives etc:

- explain how and why coastal landforms (of different scales) change over time.
- understand slope and coastal processes of erosion, weathering, transportation, deposition, mass movement (rockfalls and landslides) that result in cliff retreat.
- understand the changes over time in the development of cliffs, wave-cut platforms, arches, stacks and their associated smaller scale features: rock pools, wave-cut notches etc.



Objective assessments:
How do processes work together to create landform features at different scales in coastal landscapes?
What factors affect rates of landform change in coastal landscapes in the UK?

Homework:
Find a photograph of coastal erosion following an extreme weather event. Annotate the photograph to show the main features e.g. slumping, scree slopes

Week 3 and 4 Learning Objectives etc:

- understand changes over time in the development of headlands / bays, beaches and spits and their associated smaller scale features: wave-cut notches etc.
- understand the links between sediment supply, transport (LSD) and deposition in the formation of **one named distinctive landscape** in Wales.



Objective assessments:
How do processes work together to create landform features at different scales in coastal landscapes?
What factors affect the rates of landform change in coastal landscapes in the UK?

Homework:
Complete key word definitions (from the LP) (**Literacy focus to check spellings and letter formation**).

Week 5 and 6 Learning Objectives etc:

- outline how factors affect rates of landform change and how geology affects the local landforms; *concordant & discordant*.
- outline how climate e.g. seasonal variation in the impact of extreme weather events effects rates of landform change (*eg catastrophic change during a winter storm*).



Objective assessments:
How do processes work together to create landform features at different scales in coastal landscapes?
What factors affect the rates of landform change in coastal landscapes in the UK?

Homework:
Research an extreme weather event in Wales and it's impact on the coastal environment (e.g. 2013/14 winter storms). **Numeracy focus: how much volume of material was eroded from a named beach?**

Week 7 Learning Objectives etc:

- explain how human activity has intended and unintended consequences (*e.g. accelerated erosion resulting from interrupting patterns of longshore drift*).



Objective assessments:
What factors affect the rates of landform change in coastal landscapes in the UK?

Homework:
Draw a sketch of a groyne or a sea wall. Annotate your sketch to show an intended and an unintended consequence.

