



A Level Geography Summer Personal Study

Landscape Systems – Option A – Coastal Landscapes

1. Complete the table of pictures of coastal features along with the type of coastal landform.
2. You know that spits, bars and tombolos are formed by longshore drift. Using the example of the tombolo joining Portland to the mainland via Chesil beach research how else it could have been formed. Use diagrams and maps to explain your answer with about half to a page of writing. Your explanation needs to be in your own words.
3. A high energy coastal environment – Saltburn to Flamborough Head, Yorkshire.
Create a mini case study fact file on one of the locations you will be studying in the Autumn term of Year 12.
You must include details about the following.
 - 1) Location
 - 2) Map
 - 3) The coastal landforms found along the Saltburn to Flamborough head Coastline
 - 4) The formation of the landforms – name the processes (Think back to GCSE).
 - 5) Any management strategies or human activity influencing the location. You may want to include images of the management methods.

NOTE: Consider your layout of this. Now you are at A Level you will have more freedom of how to lay out case studies unlike at GCSE. Think about the methods of revision which suit you to support your layout.

Where to start

<http://www.alevelgeography.com/coastal-sediment-budget/>

<http://jncc.defra.gov.uk/pdf/GCRDB/v28chap1.pdf>

https://en.wikipedia.org/wiki/Sedimentary_budget

<https://geographyas.info/coasts/introduction-to-coasts/>

<https://www.niwa.co.nz/our-science/coasts/research-projects/all/physical-hazards-affecting-coastal-margins-and-the-continental-shelf/news/erosion>

<https://www.eastriding.gov.uk/environment/sustainable-environment/looking-after-our-coastline/about-the-east-riding-coastline/>

https://pubs.usgs.gov/of/2008/1206/html/figs/fig5_1.html

If you get Stuck

Please email gbo@bewdley.worcs.sch.uk if there are any problems and I will get back to you as soon as I can.

You may want to enlarge the boxes if so email me and I will send it to you so easy to adapt. Research to find what type of landform (save good links for further work on this in the Autumn Term). You need a picture of the feature within the UK and outside the UK + locate where it is and include a name if it has one e.g. Old Harry as a stack in Dorset, UK.

| Feature | Erosional, depositional, emergent or submergent landforms? | National example | International example |
|----------------|---|-------------------------|------------------------------|
| Bay | | | |
| Headland | | | |
| Cliff | | | |
| Shore platform | | | |
| Geo | | | |
| Blow hole | | | |

| | | | |
|---|--|--|--|
| | | | |
| Cave | | | |
| Arch | | | |
| Stack | | | |
| Stump | | | |
| Beach (may want to include examples which may include the following sandy/rocky/ mixed /natural /manmade). | | | |
| Spit | | | |
| On-shore bar | | | |
| Tombolo | | | |

| | | | |
|-----------------|--|--|--|
| | | | |
| Salt marsh | | | |
| Raised beach | | | |
| Marine terrace | | | |
| Abandoned cliff | | | |
| Ria | | | |
| Fjord | | | |
| Shingle beach | | | |