

A Level Geography pre-learning task - An introduction to Coastal systems and landscapes

Your A Level Geography course will cover both the physical and human environments and the interaction of processes that shape our world. It will also, importantly, show the applied side of the subject - how human intervention affects the environment and how people adapt and mitigate the effects of processes on their environment.

You will need to be able to show your understanding of a range of perspectives and be able to illustrate your answers with case studies from local, national and global examples. **To get a high grade you will also need to read around the subject** and research answers in newspapers, magazine and internet articles. TV and radio documentaries are a rich source of current issues too.



The coastal landscapes section of the specification focuses on the coastal zone. These are dynamic environments in which landscapes develop by the interaction of winds, waves, currents and terrestrial and marine sediments. It is designed to give you an informed appreciation of the beauty and diversity of coasts and their importance as human habitats. In York, you are likely to have studied AQA GCSE Geography. This has an optional coastal unit which many of you will have studied and should give you a good foundation for this task, but don't worry if you haven't.

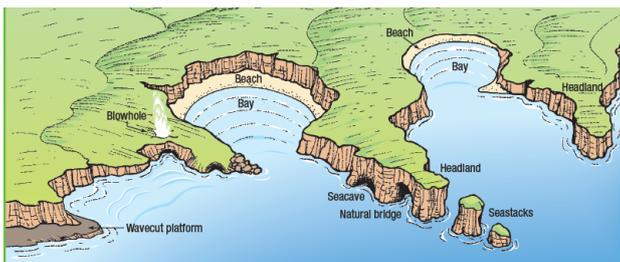
Task: Coastal Systems and Landscapes

In order to prepare for your learning, we would like you to produce an **A3 sheet** (use both sides) detailing **your knowledge and understanding of the formation of coastal landforms and the processes that have led to their formation**.

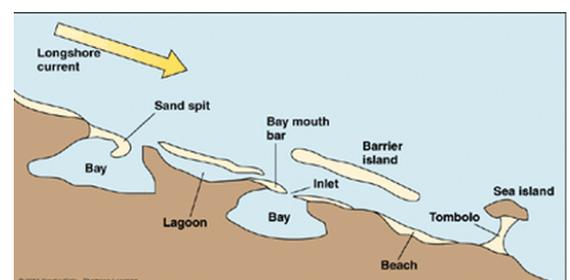
Your sheet **must include** diagrams of landforms with their key characteristics and explanations of their formation. **Any text should be in your own words**. Most of these should be found digitally but we are happy for you to use the resources you had for your GCSEs, cutting and sticking from your old books is acceptable. Any **processes should be referred to in detail, explaining the role that the process has had on the formation of the landform**.

The following **must all be included**:

1. **Processes – Erosion** (abrasion, corrasion, hydraulic action, solution and attrition), **transportation** (solution, suspension, saltation and traction) including an explanation of longshore drift and how/why **deposition** happens at the coast. A definition of weathering and the 3 types.



2. **Erosional landforms** – cliffs, wave cut platform, cave, arch, stack/stump, headland, bay. You must have an annotated diagram which includes how they are formed.



3. **Depositional landforms** – Beach, spit, bar, tombolo
You must have an annotated diagram which includes how they are formed.

4. **Other elements** to include – an explanation of how waves form and why they 'break', a comparison of the key features of destructive & constructive waves, what we mean by a concordant and discordant coastlines (and the landforms that results from these).

Deadline – the first week back in Y12

Any questions or issues please email: Mrs Leites (j.leites@huntington-ed.org.uk)