

## Y12 Summer Project - Physical Geography

Produce a detailed booklet on some of the fundamental parts of coastal processes and systems.

Your booklet needs to cover the following:

- An explanation of the different ways the sea erodes the coastline and the resulting coastlines (abrasion, solution, attrition, hydraulic action).
- An explanation of the different ways that weathering erodes the coastline (physical, biological, chemical).
- Explain how sediment is transported along a coastline (traction, saltation, suspension, solution, longshore drift) and the resulting features created.
- An overview of what deposition is and how this shapes the coastline (including the resulting features created - spits, tombolo, bars and salt marshes).
- The different types of waves (constructive and destructive) and their key characteristics.
- The causes of tides, and the different types of tides that can occur.

Your booklet should include maps, diagrams, sketches and references to resources such as websites and books.

You will need to use a report format such as a cover page, contents page and a bibliography. Your bibliography must include at least one book and one online journal.

Once you have completed your booklet, use the feedback grid overleaf to self-assess your work. You need to make any initial improvements before you hand it in.

The hand in date for this project is the first physical geography lesson back after the summer holiday.

We look forward to receiving your report.

Miss Thompson & Mr Haveron

## Y12 Summer Project Feedback Grid

Name \_\_\_\_\_

Key parts	Have you included this to an appropriate level?	How could it be improved?
Different types of erosion		Define abrasion/ solution/ attrition/ hydraulic action Research a discordant & concordant coastline
Explanation of different types of weathering		Define physical/ biological / chemical weathering
Different types of transportation		Define traction/ saltation/ suspension/ solution Include a labelled diagram to show the process of LSD
Explanation of what deposition is and how this shapes the coastline		Define what deposition is Include a labelled diagram of a spit/ tombolo/ bar/ salt marsh
Different types of waves		Include a labelled diagram of a constructive/ destructive wave Explain the impact that different waves have on the shape of the coastline
Causes of tides		Explain what causes tides Use a labelled diagram to show how different types of tides are formed
Use of references		Include a journal in your work. Use a textbook from the geography department Include a minimum of 3 references
Presentation		More photographs/ diagrams Needs a cover page/ contents page/ bibliography Watch your presentation in the future (including SPaG and quality of handwriting)

Is the project at an appropriate level?

Yes                      Not yet (make improvements)      No (make improvements and hand it back in)

Any other comments

.....

.....

.....

.....