

Enquiry Question (EQ): What is the impact of coastal management on beach characteristics?

Specification Links

AQA 3.1.3.2 Different management strategies can be used to protect coastlines from the effects of physical processes

EDEXCEL A 1.5 Human activities can lead to changes in coastal landscapes which affect people and the environment. The advantages and disadvantages of different coastal defences used on the coastline of the UK and how they can lead to change in coastal landscapes.

EDEXCEL B 4.4 Distinctive coastal landscapes are modified by human activity interacting with physical processes. How human activities (...coastal management) have direct or indirect effects on coastal landscapes.

OCR A 1.1.5 Landscapes are dynamic and differ depending on their geology, climate and human activity... human activity, including management, works in combination with geomorphic processes to impact the landscape.

OCR B 3.2 What influences the landscapes of the UK... how human activity, including management, works in combination with geomorphic processes to impact the landscape.

EDUQAS A 1.2.2 What factors affect the rates of landform change in river and coastal landscapes in the UK? Human activity to include an overview of management of coastal landforms to reduce the effects of erosion, and unintended consequences of human intervention.

EDUQAS B How are coastlines managed?

Scotland SQA Highers Coasts: Physical environments

Northern Ireland CCEA Theme B: Coastal environments

Learning Objectives

1. Explain how coastal management may impact beach characteristics.
2. Use secondary data to build an understanding of coastal processes and coastal management at this location.
3. Justify the use of methods to investigate the impact of coastal management.
4. Explain the limitations of methods used to investigate the impact of coastal management.

Learning Outcomes		
All students will:	Most students will	Some students will
<ul style="list-style-type: none"> Describe how coastal management can impact beach characteristics. List factors which influence coastal processes and coastal management within this location. State how to conduct fieldwork safely in this location. Observe the use of methods to investigate the impact of coastal management on beach characteristics. Practise through interactive means one method for investigating the impact of coastal management on beach characteristics. State strengths and weaknesses of methods used. 	<ul style="list-style-type: none"> Consider sampling strategies in investigating the impact of coastal management on beach characteristics. Justify the methods used to investigate the impact of coastal management on beach characteristics. Evaluate the validity of methods to investigate the impact of coastal management on beach characteristics. 	<ul style="list-style-type: none"> Justify the sampling strategies used to investigate the impact of coastal management on beach characteristics. Evaluate the reliability of conclusions drawn from data collected.

Pre-lesson

Please visit <https://encounteredu.com/cpd> for guidance on using these Live Lessons and Teacher Resources during school closures.

Please advise your students to work through the handout as preparation for the live lesson. The handout and StoryMap, which contains location information, will lead students through the introduction and planning stages of the enquiry.

The student handout and StoryMap found here <https://bit.ly/fieldworkliveCoasts> can be used to prepare your students for the live lesson on GCSE Coasts.

Students should complete all pages up to including the task of adding a category to the bipolar evaluation tables.

Please encourage your students to submit any questions prior to the live lesson via the live lesson tab on your profile.

Do encourage them to do further research into the geographical enquiry process and the study area of Slapton Sands and the Start Bay coastline. Sources could include:

Google Earth <https://earth.google.com/web>
<https://padlet.com/FSCSlaptonLey/Coasts> Password: slaptonley43
<https://www.visitsouthdevon.co.uk/places>

During the live lesson

Students should have their pre-lesson handout ready with them, completed with all pre-lesson elements. These will be referred to in order to set the scene for the fieldwork element of the enquiry and the #Fieldworklive data sheets will be used to complete the bipolar evaluations and other methods during the interactive live lesson.

Post-lesson webinar

Details on this post-course teacher webinar will be available to enable you facilitate further creative activities with your pupils.

