

TEACHER NOTES

Geography

Coasts (Containerisation)

Contextual Summary

This is a geography resource which engages students with the environment of Southampton Water and The Solent, whilst on their Red Funnel ferry journey across to and/or from the Isle of Wight. It includes pre-visit, on-site, and post-visit activities.

This resource focuses mainly on the human geography of the area, specifically focusing on containerisation.

As they go through the activities, students will investigate (using both secondary sources and primary fieldwork) current container facilities

at the port, including the new SCT5, and the projected need for containerisation at Dibden Bay.

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The pre-visit activity starts by introducing the term 'containerisation' to students, and they are prompted (using an image as a stimulus) to

consider what they think the term means. A little historical background to the development and growth of containerisation then puts the current situation into context, and this can be read and discussed with students. A graph shows students the growth in container demand, and they should use this to describe the growth in containerisation around the world. More able students should be encouraged to also complete the extension activity here (on the higher ability worksheet), which prompts them to consider the reasons behind this growth and link their ideas to globalisation. A key word box, with explanations has been provided to assist them.

In addition, the pre-visit activities also look at SCT5; the new (as from March 2014) container facility at Southampton Port. At a cost of £100 million, the new facility can accommodate the largest (18,000 TEU) vessels on the water. Two video links are suggested - found at www.edudest.uk/followup - type in this document's code: **10726**.

These show what SCT5 is like and the opening of it, by Sir Ben Ainslie, on 31st March 2014. A 'true or false?' activity can be completed as students watch these short videos as it gives them a really good insight into what modern containerisation is like, and what the current port facilities are like. An optional extension activity to design a promotional poster/leaflet/broadcast can be completed if desired.

On board the ferry, students will immediately be able to see the port facilities around the Red Funnel terminal. Up river is the vast container port, including SCT5, and they will be able to see this in the distance. They may also see container ships docked there, or going to/from the docks. One of the activities asks them to take photographs of what they see and to locate on a map of the docks provided where they have taken each photo. They may also wish to take photos of other port facilities, such as the RoRo (Roll-on, Roll-off) vehicle docks as they pass.

The remainder of the on-site activities focus on Dibden Bay, and students are given a short paragraph to read which details the background to the proposed development and the public enquiry that took place, eventually rejecting it.



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SUBJECT

Geography

UNIT

Coasts (Containerisation)

OPPORTUNITIES FOR USE

- ✓ Pre-Visit
- ✓ On-Site Activity
- ✓ Post-Visit

CURRICULUM / SYLLABUS

- ✓ National Curriculum 2014
- ✓ Curriculum for Excellence

Applies to Resources numbered:

107261
107262

continued...

Task Implementation (continued)

Through two activities, students will examine both sides of the argument. Firstly, as they pass the proposed development site, they will have the opportunity to observe what the area is like and to take some pictures. They are encouraged to complete a table which indicates the key arguments against the proposed development. They should be encouraged to think about all aspects of the development, not simply the likely environmental impacts, e.g. what are the likely impacts on local residents? (both during construction and when the site is operational) What are the potential safety issues with higher volumes of shipping traffic (and larger vessels) on Southampton Water...?

Four different sources of information have been provided to illustrate the argument 'for' the development: A (fabricated, but realistic!) quote from ABP and a local resident, a table showing projected container capacity demand in the future and a pie chart showing the relative importance of containers as a portion of overall traffic. Using all of these figures of information, students are required to outline and explain the main arguments for the development of Dibden Bay

All of their work then feeds into the post-visit activity, where they will conduct a class debate on Dibden Bay.

This activity is deliberately 'open' to allow teachers to manage it as they wish, according to time-constraints,

student ability and local circumstances. The list is by no means exhaustive and students should be encouraged to conduct independent research

in addition to the provided materials. The activity is designed to be a class debate, but it could also be used as a

benefits – how can we balance the two, or is it impossible to achieve a balance?

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Ability Levels

This resource is aimed at students at KS4. There are differentiated variations available for higher and lower ability levels.

Teachers should view all resources and select the most appropriate level for their students.

Relationship to Curriculum

Below are the relevant links to the current GCSE Geography specifications:

- AQA Geography A: The Coastal Zone
- AQA Geography B: The Coastal Environment
- Pearson Education Ltd (Edexcel) Geography A, Unit 2, section A, Topic 1: Coastal landscapes
- Pearson Education Ltd (Edexcel) Geography B, Unit 1, section B, Topic 5: Coastal change and conflict
- OCR Geography B: Theme 1: Rivers and coasts
- WJEC Geography A: Unit 2; Our changing coasts
- WJEC Geography B: Theme 2; Coastal processes and coastal management.

Key skills practised in this unit:

- ▶ Understanding key processes in human geography (economic activities, trade)
- ▶ Conducting fieldwork by making observations and applying their observations to specific tasks
- ▶ Carrying out independent research
- ▶ The ability to empathise with different views and opinions on a subject.

Learning Opportunities

At all stages

- ▶ Students will use the resources provided to carry out the activities and tasks as specified on the worksheet:

Resource ID: **107261** (KS4 low-mid ability)

107262 (KS4 mid-high ability)

Pre-Visit

- ▶ Students will learn what containerisation is, and a brief history of containerisation.
- ▶ They will learn about SCT5; the new container facility at Southampton Docks.

During the Visit

- ▶ Students will see the container facilities at the docks, and be able to take photos.
- ▶ They will also examine the proposed port expansion site at Dibden Bay and will start to consider the pros and cons of developing this site.

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Enrichment Opportunities www.edudest.uk

- ▶ Students will be seeing the container facilities around the Red Funnel ferry terminal and may even see one of the huge container ships travelling along Southampton Water/The Solent. These are awe-inspiring and will 'wow' the students, really bringing home the reality of containerisation.
- ▶ Students will practise taking photos to show specific information; a key part of a geographical investigation.
- ▶ Students will have the opportunity to conduct independent research; again, a key skill in geographical investigations. Indeed, this is a key skill in many curriculum areas and becomes a valuable skill as they move through to becoming more independent learners.
- ▶ Students have the opportunity to study a controversial topic in depth, looking at both sides of an argument and conducting a debate in which they must argue one of the viewpoints. The skills of empathy, researching and writing persuasively and public speaking will be practised in this activity.
- ▶ Extension tasks and differentiated activities enable more able students to stretch and extend their geographical understanding, whilst less able students are supported through the tasks in a variety of ways.

Learning Outcomes

- ✓ Students will be able to define what containerisation is, and will be able to describe the history and growth of world-wide containerisation.
- ✓ Students will know what current container facilities at Southampton Port are like, including the new SCT5.
- ✓ Students will know where the proposed port expansion land is located and what it is like.
- ✓ Students will be able to give the key advantages and disadvantages to the proposed Dibden Bay development.
- ✓ Students will conduct independent research to find out more about the Dibden Bay proposed port expansion and will conduct a debate.

