

KEY STAGE 3 - LESSON 2: EROSION

INTRODUCTION

Erosion is being worsened by climate change. Explore the coastal features associated with climate change, why coastal geology is important and how we can defend our coastlines.

TEACHING AND LEARNING

Task 1: Watch the video and run through the presentation:

- The presentation compliments the video and explores erosion, the coastal features associated with the process and steps to reduce its impacts.

Task 2: Complete the Quiz

- Go through the accompanying quiz as a class, with the learners either writing answers or calling out answers: there are 5 questions to go through summarising the learning.

Task 3: Practical Activity: Holding it together

- Explore the effectiveness of plant roots in reducing the impacts of erosion through this practical demonstration.

LEARNING OUTCOMES:

- 1) Know what erosion is
- 2) Know how geology affects erosion
- 3) Know what measures can be taken to reduce erosion

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CURRICULUM LINKS:

GEOGRAPHY

Human and physical geography:

- Understand, through the use of detailed place-based exemplars at a variety of scales, the key processes in:
 - Physical geography relating to: geological timescales and plate tectonics; rocks, weathering and soils; weather and climate, including the change in climate from the Ice Age to the present; and glaciation, hydrology and coasts.
- Understand how human and physical processes interact to influence, and change landscapes, environments and the climate; and how human activity relies on effective functioning of natural systems.