

CRUMBLING COASTS

On Hook Day, the children started to investigate the different features of coastlines: arches, stacks, caves, stumps, spits, bays and headlands.

They were also introduced to Lucy, a young girl with a huge adventure ahead of her, in our rich read, 'The Girl Who Rowed the Ocean' by Alistair Humphreys - a real life adventurer! He used his experience of rowing the Atlantic Ocean to help him write about Lucy's adventure. He now enjoys inspiring people to complete microadventures. During the morning, the children got to plan their own microadventure.



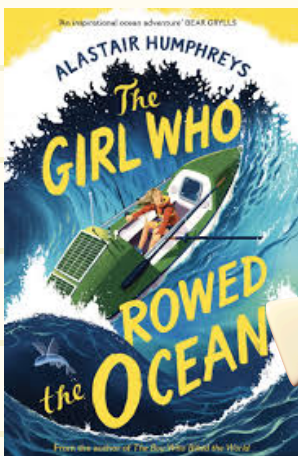
MAIN FOCUS

The topic this term will focus upon:

- English where the children will write a series of diary entries as Lucy during different parts of her adventure.
- Science where the children will learn about different forces, including gravity, friction, air resistance and water resistance.
- Geography where the children will learn how coastlines are formed and how to protect them from erosion.
- DT where the children will design a new sea defence to protect Lepe Beach from coastal erosion.
- Art where the children will paint a picture of a coastline using pointillism.
- Computing where the children will learn how to programme a Micro:bit to make a robotic crab move.



The children will get to visit Lepe Beach later in the term to investigate different coastal defences and learn orienteering skills.



RICH READ

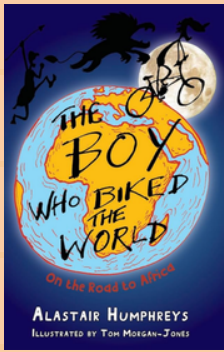
Topic Words

force, friction, gravity, levers, pulleys, coast lines, erosion, sea defence, magnetic, resistance, long shore drift, sea arches, caves, stacks, stumps, spit, groynes, sea wall, revetments, bays, headlands, flooding

The children experienced forces in action on their trip to Paultons Park! They investigated forces during their roller coaster workshop and got to try the rides to feel the forces at work.



LEARNING EXPERIENCES



If your child enjoys 'The Girl Who Rowed the Ocean', they may also like these!

- English: exploring a character's personality and feelings, thinking about techniques they can use to convey emotions, using figurative language in diary entries.
- Science: finding out how forces work through practical experiments and what makes different objects rotate, slow down and drop. Children will also observe how levers, pulleys and gears affect a force in hands-on material.
- Geography: looking at how erosion shapes our coastlines and how we can slow the process down. They will debate the effectiveness of coastal defences and think about how we can be more sustainable, protecting our oceans.
- DT: using materials, children will construct different possible sea defences using frame structures. The impact of these sea defences will be tested in an experiment.
- Art: using paint, children will explore how to use small dots to create tone and depth to create a coastline scene.
- Computing: programming various codes to control micro-bits. They will construct a cardboard crab and create code to make it move along the ground.

The following are not linked to the topic:

- PSHE: discussing how to keep safe in different situations and responding to emergencies. Thinking about how they are growing and changing as they grow older.
- RSE: looking at different positive relationships and being respectful to themselves and each other. This includes online.
- RE: looking into 'Humanism' and how people who follow this way of life believe that we should put human beings and all living life first to have a 'good life'.

OUTCOME

The children will present their findings on coastal defences and debate whether the sea defences at Lepe Beach should be replaced. Year 4 children will listen to all the arguments and act as the Council, deciding on the fate of coastal defences at Lepe Beach. The children will also demonstrate how their robotic crab works and display their coastline art. Finally, they will share their enthralling diary entries.

HOME LEARNING

In Upper School, your child has two weekly home learning tasks:

- 1) Reading - due every Thursday
- 2) Times Tables - due every Thursday



To complete the Space Race, they will need to read three times a week and record it in their reading diary. For times tables, they will need to play at least five games a week on TTRS.



SPELLING

Your child will be focusing upon learning these compulsory words this half term. Please help them to practise at home:

achieve, apparent, co-operate, re-enter, knight, doubt, though, bought, conscious, frequent, probably, receive