Coastal Regions Year 6

Essential Knowledge

By the end of this topic the children will know....

- How and why coasts are changing both locally and further afield.
- What has happened in the past to cause these changes and why it is happening now.
- How we can help prevent this from becoming a deeper problem in the future.

Launch	Explore	Energise	Celebrate
Children visit PGL at Osmington for their Y6 residential and begin their coastal topic. They will explore the local coastline and search for clues as to why our coast is changing so rapidly. They will also discover more about fossils and the types of rocks we have within our coastline and search for hidden gems within the many rock pools.	• Are all coasts changing at the same rate? • What is causing the coasts to alter over time? • How do we prevent coastal erosion?	Fossil discovery time – we will look back at fossils and hope to gain clues as to what has lived in the past. We will work with the Purbeck school geology team to be taken back in time to begin to piece parts of the jigsaw together. We will also begin a DT project where we will make a flood defence system to withstand a huge amount of water.	We will celebrate by presenting our flood defence barriers to the year group. Describing how they work and we will them test them to see if they actually do the job they're designed to do. .

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English

This term we will focus on a class novel – Floodland. Children will learn to write in different styles including: recount, narrative, descriptive, persuasive and informative. The novel looks at futuristic Norwich which is underwater due to the rising seas causes by climate change. It evokes many questions and ideas about characters, relationships and the ever concerning issue surrounding all of us – climate change

Mathematics

Children will focus on efficient methods of calculation for all four operations and will also be developing their skills in fractions. Data handling will be used to link to ideas around graphs and will be used in both science and maths. We will also be looking at geometry, position and direction to link with our geography skills.

Science

Children will be looking at local studies to do with coasts, taking measurements, producing graphs, making judgements and explaining their findings.
They will also be focusing on change not only within coasts but also within themselves, when we focus on how we change and reproduce as humans.

History/Geography

Children will locate the local area on a map and identify the coast closest to us along with towns and villages in our local area. They will study the local coastline at Studland and suggest reasons why there are changes happening to the coast over time. They will identify and name as many coastal features as possible and understand some of the processes which help create them.
To link to our class book, the children will also be thinking about why Wareham floods so often and ways in which we can prevent it from flooding in the future.

Religious Education

How can Brahman be everywhere and be in everything?
Children will learn how kindness and friendship can be shown in their everyday day life.
They will look at how the Hindu belief Brahman influences Hindus in their everyday life.

Art and Design and Design Technology

Children will be creating some beautiful seascapes using a variety of different media. They will also be designing, making and reviewing a flood defence system which will be tested in the grand finale.

Music

Children will be composing their own pieces of music entitled 'Water' using a chosen instrument. We will also be listening to famous composers who created music based around water and discussing why we like/dislike the music.

French

The SALUT scheme is used to encourage the children to listen, speak and write in French.

Physical Education

They will use the Real PE scheme to develop skills, coordination, stamina and flexibility.
They will also be learning both netball basketball and tag rugby skills.

Computing

Using spreadsheets and using formulas.