



Dynamic Coasts

Year 5 | Spring 2

CURRICULUM SPOTLIGHT: GEOGRAPHY | PRE

ENQUIRY

Should Hunstanton be saved?

OUTCOMES

Environmental impact report

VOCABULARY

Geography: Island: continental, oceanic, tidal, barrier, coral, artificial, archipelago, adaptive radiation, evolution. Coast, beach, bay, cliffs, cave, cove, sand dunes, headland, peninsula, abrasion, attrition, erosion, sea level, sea defences, groyne, longshore drift, tide, current, landform.

KEY TEXTS

- Rivers and Coasts by Izzi Howell
- The Book of Tides by William Thomson
- The Sea Around Us by Rachel Carson

BACKGROUND KNOWLEDGE

- The National Trust
- The National Coastal Services Centre
- The British Coastal Conservation Group
- The British Oceanographic Data Centre
- The Marine Conservation Society
- The UK Flood and Coastal Erosion Risk Management Research Association

RESOURCES

Geographical digital data and maps

CORE CURRICULUM LEARNING OUTCOMES

English	Mathematics	Physical Education	Art
<p>Spelling: Phonemes: p, r, s, t, z, sh, ay</p> <ul style="list-style-type: none"> Indicating degrees of possibility through modal verbs or adverbs 	<ul style="list-style-type: none"> Factors multiples and prime numbers Combining multiplication with addition and subtraction 	<p>Physical</p> <ul style="list-style-type: none"> Dynamic balance to agility- jumping and landing Static balance- one leg Hockey Netball 	<p>Drawing</p> <ul style="list-style-type: none"> Work in a sustained and independent way to create an accurate, detailed drawing. Begin to consider perspective Draw from different viewpoints considering horizon lines. <p>Painting and colour</p> <ul style="list-style-type: none"> Make and discuss hue, tint, tone, shade and mood Mix colours, shades, tones, tints with confidence, building on previous knowledge Confidently control the types of marks made and experiment with different effects and textures <p>Printing</p> <ul style="list-style-type: none"> Gain experience in overlaying colours Start to overlay prints with other media Continue to experience in combining prints to produce an end piece Explore, experiment, plan and collect source material for future work
PRE	Computing	Geography	
<p>Christianity – The Holy Week</p> <ul style="list-style-type: none"> Substantive knowledge Know the significance of Holy Week in the Christian calendar Philosophy and ethics: Do we ever have control? Evaluation: Evaluate Christian belief that Jesus’ death was for a purpose 	<p>Computer Science</p> <ul style="list-style-type: none"> Coding is used to make computers complete a set of functions. Different types of code can be used for different functions. The importance of debugging and the impact this has on a piece of code (more efficient). The importance of saving work after each functioning iteration. Develop algorithms for a specific function. These can be deconstructed and refined to achieve specific goals. Debug simple programs that they have created Save a created algorithm on a number of platforms. Produce a program with a variety of objects, actions, events and outputs. 	<p><i>Substantive knowledge</i></p> <ul style="list-style-type: none"> Know that islands are a body of land surrounded by water and distinguished from continents by size. Greenland is the world’s largest island. Australia, which is 3 x as large, is the world’s smallest continent. Approx one quarter of countries are islands and one sixth of the global population lives on an island. Know / locate examples of the six island types: Continental (UK, Greenland, Madagascar), Oceanic (Hawaii), Tidal (Mont St Michel, France), Barrier (New York), Coral (Bahamas), Artificial / man made (Dubai) Know and locate coastal regions and towns in the UK and identify their different features. Understand different types of coastal use (settlement, trading, fishing, tourism, energy). Know the physical processes involved in coastal formation and key coastal features and understand that coastlines are dynamic and changing. Understand the impact of coastal erosion and explore aspects of coastal management systems <p><i>Disciplinary Skills</i></p> <ul style="list-style-type: none"> Maps, atlases, globes, digital maps, Compass directions, Grid references, O.S maps – symbols and key, fieldwork and observation, Data: collect, measure, record, present 	
PSHCE	Spanish	Science	
<ul style="list-style-type: none"> Family & Friends Drug Education 	<ul style="list-style-type: none"> Clothes 	<p>Living Things</p> <ul style="list-style-type: none"> Describe the differences in the life cycles of a mammal, an amphibian, an insect and a bird. Describe the life process of reproduction in some plants and animals. 	

