



Autumn Term 1

Whole School topic 'Earth Matters'- Year 5 Coast and rivers

History	Geography	Art	Design and Technology
	<p>In geography the children will be locating and describing some physical environments in the UK, e.g. coastal environments, the UK's significant rivers and mountains.</p> <p>We will be teaching the children what all about the shape of our coastline and how it is shaped through erosion. We will also look at the human and physical features which are in place to combat erosion. We will be investigating how rivers are formed and the journeys they make from source to sea. We will also investigate the impact that building on floodplains have on our environment.</p>	<p>In art we will be working with clay to create our own towns which have been built on flood plains. The children will be learning how to add detail to a clay sculpture using clay tools and to their 3D sculptures using different materials.</p>	<p>As DT half term homework the children will be challenged to create their own model to explain the 'source to sea' water cycle.</p>

Key drivers of the curriculum

Aspirations	Global citizenship	Wellbeing
<p>As part of our erosion work we will be looking at the role of a new reporter and learning how to report significant event through the use of media.</p>	<p>In geography we will be teaching the children about the impact that humans have on our waterways and how to keep our environment clean tidy and unpolluted.</p>	

Core links through the curriculum.

Basic Skills

Real World Applications

English	Numeracy	Using Technology including Computer Science	Science
<p><u>Key texts</u></p> <p>Floodland- Marcus Sedgewick</p>	<p>The children will be involved in measuring how much land we are losing each year as a result of erosion.</p>	<p>We will also be using PowerPoint and Publisher to present or information.</p>	<p>This Unit will build on the year 4 topic all about rocks and soils and year 3 introduction to rivers.</p>
<p><u>Writing opportunities</u></p> <p>The children will be writing TV news scripts in order to report on erosion.</p>			

<p>Reading opportunities</p> <p>Journey to River Sea- Eva Ibbotson</p> <p>The Wind in the Willows- Kenneth Grahame</p> <p>Song of the Dolphin Boy- Elizabeth Laird</p> <p>Why Water's Worth it- Lori Harrison</p> <p>Flotsam-David Weisner</p> <p>Floodland- Marcus Sedgewick</p> <p>A River-Marc Martin</p> <p>The Rhythm of the Rain- Grahame Baker-Smith</p>			
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Objectives	Activities
Geography:	
<p>I can locate and describe some physical environments in the UK, e.g. coastal environments, the UK's significant rivers and mountains.</p> <p>I can locate the UK's regions and major cities.</p> <p>I can describe a river and mountain environment in the UK, using appropriate geographical vocabulary.</p> <p>I can describe the water cycle in sequence, using appropriate vocabulary, and name some of the processes associated with rivers and mountains.</p> <p>I can use OS map symbols and atlas symbols.</p> <p>I can use maps at different scales.</p> <p>I can recognise that contours show height.</p> <p>I can make a sketch map with symbols.</p> <p>I can use digital maps to identify human and physical features.</p>	<p>The children will be locating and describing some physical environments in the UK, e.g. coastal environments, the UK's significant rivers and mountains.</p> <p>Children will learn what all about the shape of our coastline and how it is shaped through erosion. We will also look at the human and physical features which are in place to combat erosion.</p> <p>Children will be investigating how rivers are formed and the journeys they make from source to sea. We will also investigate the impact that building on floodplains have on our environment.</p> <p>Children will be using maps and the internet to research our coastlines and river systems.</p>
ICT:	
<p>I can use text and editing tools in programs to refine my work.</p> <p>I can use online tools to create and share presentations.</p>	<p>Children will be using the internet to research our coastlines and river systems.</p> <p>Children will present the information we find out by producing a PowerPoint.</p>
D&T	
<p>I can gather ideas through a range of research methods.</p> <p>I can produce design specification</p> <p>I can design a product which appeals to a set individual or group of people</p>	<p>The children will be challenged to create their own model to explain the 'source to sea' water cycle.</p>

<p>I can critically evaluate the quality of a design, its manufacture and if it fulfils the design brief.</p> <p>I can collect feedback from others to find out how to improve my product</p>	
<p>Art</p>	
<p>I can add detail to a clay sculpture using clay tools or to a 3D sculpture using different materials</p>	<p>Children will be making our own clay models of a floodplain and adding in levees and flood prevention measures.</p>