

Date	Class level Fifth Class and Sixth Class	Subject Geography
Strand Natural Environments	Strand Unit The Local Natural Environment.	
Title Researching Coastal Erosion		
Objective(s) The aim of the lesson plan is for children to observe and develop a simple understanding of the links between erosion of coastline and the results it has on our beaches.		
Skills Required A sense of place and space; Questioning, Investigating; Communicating; Evaluating.		
Learning objectives The child will be enabled to: Enter a discussion on how beaches are formed. Discuss what makes up different types of beaches. Learn about how different types of beaches in their community were formed. Research a community ravished by coastal flooding through engagement with engagement articles.		Learning activities Talk and Discussion: Elicit from the class what a beach is. What is it made up of? Sand, water, sea grass etc. Beaches are formed when water meets land and waves wash sand and gravel onto the shore. Discuss with the class whether all beaches look the same even in our locality. Maps, Globes and Atlases: On an aerial map, using an Interactive White Board, have the pupils mark in their local beaches. Get the pupils to characterize the beaches as rock beaches or sand beaches. Is the sand light or dark on these beaches? Sand on the beaches is made up of fine rock and minerals. The fragments of rock have been broken down by wind and rain as well as the waves over time. The stones reflect the geology of the region. The colour of the sand reflects its mineral content. Sand often also contains shell fragments. Beaches are regarded as dynamic or constantly changing as they are

	<p>continuously reworked by wave and weather action. Sand dunes and cliff faces can be eroded away over time.</p> <p>Story: Tell the children that they will be researching a beach that has been altered and eroded by bad weather and stormy conditions. Rossbeigh Beach in County Kerry is a good example.</p> <p>Discussion: Do the children know what erosion is? They may understand dental erosion – use this as an analogy. Erosion is the gradual wearing away of a material by wind, water and other natural agents. Get the children to locate their chosen beach on an aerial photo on the interactive white board. What ocean is eroding the beach? Why would bad weather cause the situation to worsen? Read news articles pertaining to coastal erosion. How is it affecting their chosen beach? Can anyone suggest a solution?</p> <p>Resources</p> <p>Newspaper articles about erosion (e.g. Rossbeigh Beach in Co Kerry)</p> <p>Maps of Ireland</p> <p>Laptops</p>
<p>Differentiation Higher and lower order questioning. Differentiate group activities and roles to take account of individual needs, by support, task.</p>	
<p>Assessment Teacher Observation and Questioning.</p>	
<p>Linkage and Integration English: Reading Newspaper articles. Science: The children explore how rock erodes over time. SPHE: Me and the world around me.</p>	