Geography								
Coasts Year 3								
Remember -Hull is in t -Rocks (Sci -Location o	he UK ience)		nust be able to recall the countries	s and capital cities of	the UK	ζ.		
Sticky kno -Coastal to Bridlington.	wns on the	e Holderness	coast are Hornsea, Withernsea, I	sea, Flamborough, co		sand		
			anges in temperature cause coast		tombo arch	spit		
		change the ch ps and caves	naracteristics of the coast creating	features such as	beacl pier harbo	erosion		
-I can inclue	de human	and physica	I features on my own map.		naibu	grid reference		
-I know that erosion.	t sea walls	s, groynes, b	oulder barriers are used to preven	t and slow coastal				
National cu -describe a		n stand key asp	ects of:					
		including: clir water cycle	nate zones, biomes and vegetatio	n belts, rivers, mount	tains, v	olcanoes and		
-use maps,	atlases, g	globes and di	gital/computer mapping to locate of	countries and describ	e featu	ires studied		
			s, four and six-figure grid reference irvey maps) to build their knowled		dom a	nd the wider world		
			re, record and present the human h maps, plans and graphs, and di		s in the	e local area using a		
Y3 Map typ	bes	Y3 Map to	include Y3 Physical geography Y3 Human geograph					
-Political -Physical -Topographic		-Countries -Capital citi	29			-Culture -Landmarks		
		-mountains	and rivers	-land use		-land use		
	Title/ fo		bols and key Lesson outline					
Lesson 1	LO: To use compass directions and maps to		Revisit – 4 countries of the UK and their capital cities – display on IWB. Chd discuss					
			with TP and share with class					
		he features	Locate Hull on a map of the UK – TP and discuss					
	of coasta	al areas.	Look at maps- how do you know where the coast is? Children find Hull and locate coastal towns near us.					
	SK: Fea coastal a	areas	Introduce/revisit (if already taught during Maths) compass directions. Use ordinance survey maps with a key to introduce to basic symbols associated with the coast. Which do you think represents the beach/lighthouse/farmland, buildings.					
	include beach, farmland, lighthouse, caravan parks		Activity 1:					
			Children complete OS symbols activities in books					
			Blue - matching					
			Green – name the symbol					
			Purple –name symbols in book (more symbols)					
			Introduce the term land use- what the land is used for. What is the land used for in coastal areas near to us? Discuss tourism.					
	Features of coasts e.g. beach, cliffs, towns, villages, wind farms,							
			Activity 2:					
	Children answer questions in books re land use of coastal areas.							

Lesson 2	LO: To know why	How coasts erode – wind, sea, change in temperature.			
LC33011 Z	coasts erode				
	SK: I know that the wind, sea and	Remember when remind them about the types of rocks and soils and which were hard and soft.			
	changes in temperature cause	Discuss that Coastal erosion (CE) is the wearing away of land from the coast line – through the sea, wind and changes in temperature. Also, human impact.			
	coastal erosion.	Show children video clip of CE along the East coast. Discuss video and ask children to discuss with TP why the East Coast erodes so quickly?			
		Children complete cookie erosion experiment.			
		Ellicit that the Holderness coast consists of a lot of boulder clay and chalk cliffs which erode easily.			
		Activity:			
		Blue: Copy correct words into Coastal erosion text. Key words given (not in order)			
		Green: Copy and complete missing words into paragraphs about Coastal Erosion. Key words not given but encouraged to use displays/flipchart.			
		Purple: Copy and complete paragraphs in books in full. Key words not given but encouraged to use display/flipchart if needed.			
Lesson 3	LO: To know the	The effect of the erosion – arch, stack, stump, cave.			
	features of coastal erosion SK: I know erosion	Remind children what is a coast. What physical features can we find at the coast? Recap why coastlines look different in different places – types of rock, weather in those locations, etc.			
	can change the characteristics of the coast creating features such as arches, stacks, stumps and caves.	Show the children images of caves, arches, stacks and stumps. Name them.			
		Children in partners/ small groups to predict how they are formed using mixed up picture cards with explanation. Discuss children's reasoning. Show correct formation on IWB.			
		Discuss how each feature is formed.			
		Activities:			
		All: Label each feature of coastal erosion on numbered picture			
		Blue: Describe how a cave is formed.			
		Green: Describe how a cave and an arch is formed.			
		Purple: Describe how a cave, arch, stack and stump is formed.			
		Challenge: Draw an outline to show where the original headland would have been.			
		Plenary: Show how coastal erosion can also deposit land in other areas such as Spurn point - <u>https://www.internetgeography.net/topics/spurn-point/</u>			
Lesson 4	LO: To use fieldwork to map a	Trip to Bempton Cliffs with Hull Children's University			
	coastal area	KS2 – Investigating coasts			
	SK: I can include human and physical features on my own map	Children will explore the magnificent cliffs at Bempton. Discussion to recap prior learning: how a coastline is created, what features we might expect and who uses these areas. The children will study the local coast formations by working in small groups to identify the features of the coastline and consider how it was created through natural processes such as erosion, wave energy and weather.			
		Children will then create a field sketch (map) of the coastline and label the physical and human features. In groups, the children will identify any wildlife they can see, or evidence that is left behind. They will consider how humans use the coast and the impact this can have, including the challenge or need to defend coastlines.			
		At the end of the session, children will draw a picture or discuss what they think the coast may look like in the future, explaining why their changes have occurred.			
Lesson 5	LO: To know how	Recap how coastlines erode.			
	coastal erosion can be prevented or slowed down	Explain that today's lesson will focus on: How to prevent coastal erosion			
		1			

	SK: I know that sea walls, groynes, boulder barriers are used to prevent and slow coastal erosion.		Discuss various hard engineering options and soft engineering processes. Discuss advantages and disadvantages of each. Discuss how some can result in coastal erosion being prevented or slowed down. Show examples of them being used along the Holderness coast – e.g. at Withernsea https://www.internetgeography.net/new- sea-defences-at-withernsea/(and others such as Skipsea: https://www.internetgeography.net/coastal-erosion-at-skipsea				
			Activity				
		Children to have photographs of each type of coastal erosion prevention engineering process in their books.					
			All – children name the process				
			Blue – Explain what each process is.				
			Green – Explain what each process is and how it works.				
		Purple – As green, include advantages and disadvantages for them.					
		Challenge: Which, if any, would work well along the Holderness Coast?					
Lesson 6	LO: To use fieldwork and research to improve a coastal location	Sho	sign a system to prevent coastal erosion on the Holderness coast. ow children a range of videos about Flamborough s://www.internetgeography.net/videos/coastal-videos/flamborough-videos/				
	boulder barriers are used to prevent and slow coastal erosion		nildren work in small groups to use this research in order to improve coastal osion on the Holderness coast. nildren use this to create a poster demonstrating what their method is, how it orks and most importantly why it would be helpful along the coastline at amborough.				
Working towards			End of unit assessment Working at Age related expectations	Working at a greater depth			