Objectives and key words	
Knowledge:	Key Words:
I know what a coast is	
I know different coastal areas around the UK	Erosion
know how waves and tides are formed	Attrition
I know what constructive and destructive waves are	Abrasion
I know what erosion is	Solution
I know what attrition, abrasion, solution, and hydraulic action are and how they	Hydraulic action
erode the coast	
I know what affects the speed of erosion	Deposition
I can name some erosional landforms	Bar
I can explain how a stump is formed	Spit
I can find coastal features on an OS map	Stump
know what longshore drift is	Beach
I know how longshore drift transports material	Longshore drift
I know what deposition is	Fetch
I can describe and explain how beaches, bars and spits are formed	Prevailing wind
I know what hard and soft engineering is and can give examples	Holderness
I know the advantages and disadvantages of hard and soft engineering I know where Mappleton is	Boulder clay
I know why the Holderness coastline erodes so fast	Hard engineering
I know how Mappleton are managing the coast	Soft engineering
I know the different stakeholders involved in a coastal areas	Groynes
T KNOW the different stakeholders involved in a coastal aleas	Gabions
	Sea wall
	Beach nourishment
	Revetement
	Constructive
	Destructive
NC link code: C7, D2, C8, C2	
Prior learning:	Future learning:
Erosional processes (rivers), there is a lot of overlap of the processes	Glaciation
involved.	Climate change
Prior KS2 learning:	
The understanding that rivers create landforms along the course also applies	
to the sea causing landforms, both result from the various processes	
involved. In Y2 some students learn about living on the coast in one primary. Hypotheses/outcomes for lessons	Geographical skills
LO1 What do we see at our coastline	Aerial Photos
LO2 How are waves and tides formed	OS maps
LO3 What processes erode material at the coast	Sketching
LO4 What landforms are made by erosion	Decision Making (leadership)
LO5 What can OS maps tell us about coastlines	
LO6 What Is longshore drift and how does it transport material	
LO7 How do depositional landforms shape the coast	
LO8 How can we defend against the sea	Enrichment opportunity: coastal
L09 What are they doing at Mappleton	fieldwork, usually undertaken locally
LO10 Should we be defending the coastline	along the Solway coast either Silloth or
	St Bees
Misconceptions	

Differences between processes of erosion and transport Success/Assessment		
Homework research tasks		
AFL on creation of arch, stack, stun	np sequence	
_etter		
Coasts end of unit test		
	Employment skills and career opportunity	
Aiming high	Creativity Leadership Listening Presenting Problem solving	
Literacy Nume	racy Independence Communication teamwork Staying positive	
	Career link: transport planner	
https://y	www.unifrog.org/student/careers/keywords/transport-planner	
<u></u>		
P	edagogy approaches (and homework suggestions)	
.01 spot the difference, ask studer	nts what they think of when you say COAST	
What is a coast? Ask students, reve	eal definition, write into book	
Complete atlas and map activity		
	gle earth – Flamborough head is a good one	
	ents how waves are formed, get ideas and then write it down	
ook at factors that affect waves a		
ook at constructive and destructiv	e waves – watch the video – THINK PAIR SHARE – what are the differences	
between them? Complete diagram	s of the wave types	
Colour code the sheet		
LO3 STARTER – careers (transport	planner)	
Go through the 4 types of erosion		
Then test to see if they can remem		
-	mplete the sentences and draw diagrams, go through answers at end.	
Complete match up plenary – choc		
.04 lesson 1 - recap erosion proce		
	te of erosion – bring in some rock types and discuss which they think would erode	
astest		
ook at the pictures – do students	know what they or where?	
-	p process and then students must create a storyboard	
-	and bays are formed, label map using atlas and then answer exam Q (mark and	
eedback).		
-	tures, distances between places, general maps skills.	
LO6 Complete coasts wordsearch		
Vatch longshore drift video – ask s	students how it works	
alk through LSD with use of slides	to help	
Complete activity – put sentences	in order and then draw a labelled diagram	
.07 Starter – sketch longshore drif		
-	formed? Discuss and then student must draw the beach and explain formation (d	
as a class if LA).		
-	re. Students must then complete the worksheet using the information page.	
	ide if it's a bar or spit	

LO8 students must complete defences table – either read through as a class, comprehension or carousel activity Go through and test student knowledge

LO9 discuss mappleton, where it is (google earth could be good), why it erodes so fast Read the story as a class and then watch the video. Students answer the questions.

## LO10 watch video

Then introduce the stakeholders involved – great cowden village. Go through each stakeholder and read as a class. Get students opinion on each – what do they think. Students much decide which person they support and write a letter to the local council persuading them to put coastal defences up to protect the area.