	St Hilary Scho	ol – Project Knowledge Organiser (Geography first page / History	second page)		
Project: Co	pasts / Local History (impact of Cornwall on the deve	lopment of communication) Year 6	ion) Year 6 Concepts: Place, Environment & Scale		
What should I already know?		What knowledge will I know about coasts by the end of the	Vocabulary		
The basic geographical vocabulary used to refer to: key physical features, including: beach, cliff, coast, for-		-Waves are created by the movement of air across the sea.	Abrasion	When pebbles grind along a rock platform. Over time the rock becomes smooth.	
est, hill, mountain, sea, ocean, river, soil, valley, vegetation, season and weather		 -Tides are created by the gravitational pull of the moon. -The sea's waves lead to hydraulic action and erosions of the land. -The land is made up of different rocks, some hard some soft, leading to bays and headlands. -Further erosion leads to cracks, caves, arches, stacks and 	Acidic	A chemical substance, usually a liquid, which reacts with other substances to form salts. Some acids burn or dissolve other substances that they come into contact with.	
stack Features of stump area		stumps. -Coasts are where the land meets the ocean - this can take different forms such as beach and cliffs.	Attrition	When rocks that the sea is carrying knock against each other. They break apart to become smaller and more rounded.	
Coastlines arch cliff Vocabulary—Features of a Coastline		-Coastal erosion can threaten land use and so beach protec- tion measures, such as rock armour and seawalls, are created.	Border/ Boundary	The outer part or edge of a region or coun- try that divides it from another.	
Arch	The waves eventually break right through the	-Ocean plastic, and beach litter. Beaches are becoming poisonous habitats due to human activity.	Deposition	When material/sediment is moved and dropped off in a different place.	
Вау	headland, creating an arch. An area of sea protruding into the land.	Arches, Stacks and Stumps	Dissolve	When a solid substance mixes with a liquid to make a solution.	
Beach	A low lying area where the land meets the sea, made up of fine, loose sediment.	Softer or weak sections of the rock are eroded more easily. 1. Over time, waves cause cracks to open forming caves. 2. If a	Erosion	When natural materials are worn away and transported to a different place.	
Cave Cliff	A cave is formed when waves force their way into cracks in the cliff face. A high altitude area where the land meets the	cave forms in a headland, it may break through causing an arch to form. 3. The top of the arch can weaken and may col- lapse into the sea leaving a stack. 4. Over time, the stack will	Hydraulic action	The weight of a wave crashing on a cliff face, pushing the air in cracks and caves, under pressure, to force open the crack/	
Coast	sea, made of hard rock. The area where the land and sea meet.	erode leaving a small stump of rock.	Longshore	cave. The process through which sediment is	
Dune	Ridges or mounds of loose, wind-blown sand.	TO MAN DE MAN	drift Weathering	moved across a beach. The process of wearing away rocks by the	
Headland Spit	An area of land protruding into the sea. A coastal landform, a depositional ridge, or an	cave		weather.	
Stack	embankment of sediment. A geological landform consisting of a steep and often vertical column or columns of rock in the sea.	arch stack	Changing Landscapes Landscapes can change over time for many different reasons: New houses/buildings and roads are built		
Stump	Erosion causes the stack to collapse, leaving a stump .	Spits Formed by deposition. 1. The tide carries eroded material	 Old buildings are demolished or updated Areas of land may be cleared for farming or build- 		
Bays and Headlands Where there is harder and softer rock, the softer rock will erode more quickly and can form bays. The hard- er rock erodes more slowly and can form headlands surrounding bays.		along the coastline. 2. Deposits form a long, thin sandy area of land. 3. Changing winds may cause the spit to form a hook shape. 4. Mud flats develop on the inland side of the spit.	 ing. Some landscapes are important and there are things in place to stop development such as: Listed buildings National/country Parks Green belt/conservation areas Sites of Special Scientific Interest World Heritage Sites 		

bay

the inland side of the spit.

soft rock

St Hilary School – Project Knowledge Organiser (Geography first page / History second page)

Project: Local History (impact of Cornwall on the development of communication)

Year 6 Co

Concepts: Chronology, Significance, Cause & Consequence

Vocabulary	
Guglielmo Marconi	Italian inventor and electrical engineer known for his creation of radio-wave based wireless tele- graph system.
Thomas Edison	An American inventor and businessman.
John Pender	Scottish entrepreneur formed the Eastern Telegraph Company (largest cable-operating company in the world)
Morse Code	Is a method used in telecommunication to encode text characters as sequences of two different signal durations, called <i>dots</i> and <i>dashes</i> .
Telegraphy	The science or practice of using or constructing communication systems for the transmission or re- production of information.
Wireless	Transmission of telegraph signals by radio waves.
Transmission	The process of broadcasting or sending out something by radio or television.
Aerial	Existing, happening, or operating in the air.
Cable & Wire- less	Was a British telecommunications company.
Porthcurno	Is a small village covering a small valley and beach on the south coast of Cornwall.



Interesting facts...

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The ETC became the largest cable-operating company in the world and Porthcurno became not just the hub of communication for this country but the hub for the British Empire and – in time – the most important telegraph station in the world.

In 1944, 705,000,000 words had been transmitted over Porthcurno cables.

<u>1870</u>

India.

A telegraph cable was laid on

the shore of Porthcurno to

<u>1894</u>

Italian inventor Marconi starts building a commercial radio communication device.

1901 (December)

Marconi travelled to Newfoundland and received short signal (3 dots- representing 'S') from Poldhu.

1914

Poldhu wireless station taken over by Royal Navy during WW1.

1988

The first undersea optical fibre systems arrived in Cornwall. Work resumed in the Porthcurno area.

Development in communication over time

1876

Thomas Edison takes out a U.S. patent on a communicating device of communicating wirelessly between two ships at sea.

1900-1901

Marconi built a wireless station at Poldhu, Cornwall to communicate with ships.

1902 (December)

Porthcurno cable station built 170ft wooden mast to 'spy' on Marconi's wireless station.

1941

Tunnels were created in the cliffs at Porthcurno to protect communications during WWII.