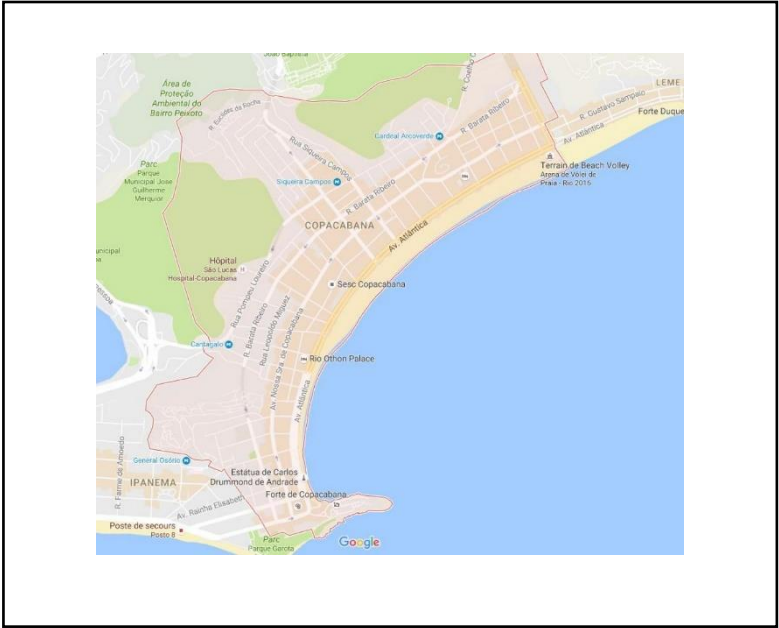


Knowledge Organiser – Coasts Year 5

Key Vocabulary	Definition
Water cycle	The cycle of processes by which water circulates between the earth's oceans, atmosphere and land.
Precipitation	rain, snow, sleet, or hail that falls to or condenses on the ground.
Evaporation	Process when a liquid becoming a gas.
Condensation	Process when a gas becomes a liquid.
Infiltration	When precipitation or water soaks into subsurface soils and moves into rocks through cracks
Transpiration	Transpiration is the evaporation of water from a plant's leaves, stem, flowers, or roots back into the atmosphere.
Evapotranspiration	The combination of evaporation and transpiration.
Abrasion	Waves pick up beach material (e.g. pebbles) and hurl them at the base of a cliff.
Hydraulic Action	Water hitting cliffs squeezing air into the cracks.
Attrition	Waves cause rocks bump into each other and break up, leaving smooth rounded pebbles.
Solution	When certain types of cliff erode as a result of acidic sea water

Map of Rio De Janeiro’s Bay



Southport	Rio De Janeiro	White Cliffs of Dover	Caves	Bays
				

Year 5 Coasts

Value Links -

Reverence - respecting God's world and the caring for the world.
2b0 ii and iii

Think like a Geographer:

To explain how coast lines are formed using geographical language.
Compare different coastlines understanding why they are different.
Recognise how different coastlines impact on the areas nearby.

Lesson sequence

1. Can I what our coastline is like?
2. Can I explain the key features and landforms of UK coastlines?
3. Can I explain the formation of a cave?
4. Can I explain the impact coasts have on the water cycle?
5. Can I compare coastlines around the world?
6. Can I explain how we can protect coastlines?
(Extended writing opportunity).

Linked text - Earth's Coasts

Local Links

Southport's coast line. What physical features have been formed there?

National Curriculum coverage

Pupils should be taught about:

- use maps, atlases, globes and digital/computer mapping to locate countries and describe features studied
- name and locate counties and cities of the United Kingdom, geographical regions and their identifying human and physical characteristics, key topographical features (including hills, mountains, coasts and rivers)

Key Content

- Understand different ways in which coastlines erode and how the type of rock on a coastline will impact on the formation of the coast.
- Be able to explain how caves and other landforms are created through the erosion of the coastline.
- Recognise the impact the coast has on the water cycle and how the water cycle can impact the coastline.
- Compare coastlines around the world with Southport and the positives and negatives of living by them.
- To understand how we can better protect coastlines.

Key Vocabulary

Water cycle
Precipitation
Evaporation
Condensation
Infiltration
Evapotranspiration
Abrasion
Hydraulic Action
Attrition
Solution