# 3: Coasts

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| Key learning objective | Sub learning objective | Understanding before unit | Example of learning to cover this syllabus point | Understanding at end of unit |
| Demonstrate an understanding of the work of the sea and wind in eroding, transporting and depositing | I understand the difference between constructive and destructive waves |  |  |  |
| I can describe the four types of wave erosion |  |  |  |
| I understand how coasts transport material and the process of longshore drift |  |  |  |
| I understand why coasts deposit material and why this creates sand dunes |  |  |  |
| Describe and explain the formation of the landforms identified with these processes | I can complete fully annotated diagrams and explanations (with a named example) to show the formation of:   * cliffs * wave–cut platforms * caves * arches * stacks * bay and headland coastline |  |  |  |
| I can produce fully annotated diagrams and explanations to show the formation of each type of depositional landform:   * Beaches * Spits * sand dunes |  |  |  |
| I can describe a transect through a sand dune. |  |  |  |
| I can use OS maps to identify the features along a coastline. |  |  |  |
| Describe coral reefs and mangrove swamps and the conditions required for their development | I can use maps to describe the distribution of Mangrove swamps |  |  |  |
| I understand the conditions the Mangrove swamps need to develop |  |  |  |
| I can distinguish between different types of reef and describe – atoll, fringing and barrier |  |  |  |
| I can give named examples of mangrove swamps and coral reefs |  |  |  |
| Demonstrate an understanding that coasts present hazards and offer opportunities | I can explain what opportunities are offered by the coast |  |  |  |
| I identify the hazards found on the coast including coastal erosion and tropical storms |  |  |  |
| Explain what can be done to manage the impacts of coastal erosion | I can describe the difference between hard and soft engineering. |  |  |  |
| I can explain the benefits and costs of using hard and soft engineering on a coastline. |  |  |  |