

Section A: Coastal Environments

| Assessment Objectives | ✓ |
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| Students will be assessed on their ability to: <ul style="list-style-type: none"> • Explain the physical processes that affect and shape coastlines including marine processes (wave action (constructive/ destructive), erosion, longshore drift, deposition). • Explain sub-aerial processes of weathering and mass movement. | |
| Students will be assessed on their ability to: <ul style="list-style-type: none"> • Describe a range of erosion coastal landforms (headlands and bays, cliffs, wave cut platforms/notches, caves, arches, stacks and stumps). • Describe depositional landforms (beaches, spits, bars). • Explain how these landforms are formed by physical processes. | |
| Students will be assessed on their ability to: <ul style="list-style-type: none"> • Outline the impacts of geology, vegetation, people and sea level change (submergent/ emergent) on coasts. • Key ideas 2.1–2.3 should be studied with respect to two geologically contrasting coastlines (CS). | |
| Students will be assessed on their ability to: <ul style="list-style-type: none"> • Define the terms 'ecosystem' and 'biodiversity'. • Describe the characteristics, distribution and biodiversity of coastal ecosystems (coral reefs, mangroves, sand dunes, salt marshes). • Explain the physical factors that affect the distribution of coastal ecosystems. | |
| Students will be assessed on their ability to: <ul style="list-style-type: none"> • Outline the value of coastal ecosystems to humans. • Explain the threats to the survival of coastal ecosystems from tourism and other factors (industrialisation, agriculture, deforestation). • Use a CS of one coastal ecosystem. | |
| Students will be assessed on their ability to: <ul style="list-style-type: none"> • Outline a range of conflicts between different users of the coast. • Examine the conflict between development on the coast and the need for conservation. | |
| Students will be assessed on their ability to: <ul style="list-style-type: none"> • Outline the reasons for coastal retreat and the need for management. • With respect to a CS of retreating coastline – causes, impacts and management. | |
| Students will be assessed on their ability to: <ul style="list-style-type: none"> • Describe a range of coastal protection measures both hard and soft engineering. • Explain how these protect the coast and evaluate their costs and benefits. | |