NCL Geography MTP1920

Year: 8 | **Term:** *Summer 2*

Topic: Oceans on the edge (Tick When Confident)

Lesson Title	Knowledge AO1&2 (40%)	Skills AO3&4 (60%)
1. At the beach 	☐ Use of the coast – Social, economic and environmental ☐ Multipurpose – used by many different groups, local people, businesses, tourist industry, farmers etc. ☐ Conflict of interest between groups.	☐ Line graph – Oil prices ☐ Cross section – Hurricane ☐ Interpreting geological maps ☐ Comparing land use ☐ Sketching a coastal landscape
2. Changing coastlines  **Careers links:** Ocean engineering, marine biology, marine scientist	☐ Coastal processes (TED) – Transportation, erosion and deposition. ☐ Erosion: (HACA) Hydraulic action, abrasion, corrosion and attrition ☐ Coastal landforms e.g. cave, arch, stack, stump, beach ☐ Human and physical features: OS maps	☐Photo analysis ☐Climate graph ☐Map symbols ☐ICT – GIS – Wainwright's coat to coast path. ☐Sketching and annotating diagrams ☐Interpreting OS maps ☐Evaluate the effect of topography on land use ☐Assess – Oracy – Causes of coastal change.
3. Careers – Human activity and the Environment  Create a coral polyp!	☐ Coral reef ecosystems are rich and diverse – They support over 1 billion species. ☐ Threats to ecosystems – pollution, plastic, settlement, deforestation etc. ☐ Conflicts of interest - different groups of people who have an interest in how coastal areas are managed. ☐ **Land uses** in coastal areas include tourism, industry, fishing, trade and transport	☐ Cross secrtion – causes of a tsunami ☐ Cross section – hurricane ☐ Water cycle ☐ Coral reefs cover less than 1% of marine environments home to ¼ of marine species ☐ Marine Protected Areas (MPA) bar chart and percentage ☐ Choropleth map - % of ocean protected
4. Challenges and Solutions 	☐ Threats / challenges – pollution, erosion, greenhouse gases, plastics, deforestation, chemicals ☐ Methods of coastal management include hard and soft engineering: sea walls, groynes, gabions, beach replenishment etc	☐ Map skills – symbols ☐ Line graph – Sea level rise ☐ Infographics showing threats ☐ Overfishing graph ☐ Pictogram ☐ Cost benefit analysis
5. Assessment: Presentation **Ocean ecosystems and conservation**	☐ Conservation ☐ Symbiotic relationships ☐ Marine protected areas	☐ Calculate the range from a table of data. ☐ Temperature, weight, diameter ☐ Oracy - Speeches