



Task Number	3	Task Name	Physical Product
Course	12 Marine Studies	Faculty	Science
Teacher	Mrs Hodgman	Head Teacher	Mr Yates
Issue date	Monday 20 th May 2024 Week 4	Due date	Thursday 20 th June 2024, 3:15 pm Week 8
Focus (Topic)	Coral Reef Ecology	Task Weighting	25%

Outcomes

A student:

- 1.1 relates with a respectful and caring attitude to the ocean and its life forms
- 2.3 communicates information by writing reports, giving short talks and contributing to discussions
- 3.1 evaluates information, situations, equipment manuals and written or manual procedures
- 3.3 generates information from data by calculating, inferring, interpreting and generalising
- 3.4 carries out planned research activities using appropriate measurements, observations, classification and recording skills
- 5.4 selects, organises, assembles, dismantles, cleans, and returns equipment

Task description

Students are required to submit a detailed coral reef model which represents at least one species indigenous to the Great Barrier Reef. Students are also required to prepare a 3-minute presentation on their chosen species to the class, teacher, and a guest teacher.

The student's model should be annotated with information on the structure of the coral species and the presentation should include the corals' habitat, physical attributes, ecological role, historical significance of the reef for indigenous groups, and conservation status.

To assist them in completing the task students will be supplied a scaffold for conducting research and generating a presentation. Students will be assessed on their model and overall presentation.

Models and slideshow need to be submitted to the classroom teacher by the due date with presentations occurring in a lesson after.

Each model and presentation will be assessed using the following rubric:

Category		1 mark	2 marks	3 marks	4 marks
Coral Model (12 Marks)	Accuracy and Detail	The student's representation of the coral model demonstrates basic accuracy but lacks detail or precision. Some key features may be missing or inaccurately represented.	The student's representation of the coral model shows moderate accuracy, with most key features represented correctly. However, there may be minor inaccuracies or inconsistencies in the portrayal.	The student's representation of the coral model is largely accurate, with all key features represented correctly and in detail. Any minor inaccuracies are minimal and do not significantly detract from the overall accuracy of the model.	The student's representation of the coral model is exceptionally accurate, with meticulous attention to detail. All key features are represented flawlessly, demonstrating a thorough understanding of the coral species and its characteristics. The accuracy of the model enhances the overall quality and effectiveness of the presentation.
	Labelled Annotations	The annotations on the coral model provide basic information about the structure of the coral, but they lack clarity and completeness. Some key features may be missing or inaccurately labelled.	The annotations on the coral model are somewhat clear and provide moderate information about the structure of the coral. Most key features are labelled, but there may be some inaccuracies or inconsistencies.	The annotations on the coral model are clear and comprehensive, effectively communicating information about the structure of the coral. All key features are labelled accurately and in detail, enhancing the viewer's understanding of the model.	The annotations on the coral model are exceptionally clear and detailed, providing thorough information about the structure of the coral. Each key feature is labelled accurately and with precision, demonstrating a deep understanding of the coral species and its characteristics. The annotations significantly enhance the overall quality and effectiveness of the model presentation.
	Craftsmanship and Creativity	The student's model demonstrates minimal effort in craftsmanship and lacks creativity in design.	The student's model shows moderate effort in craftsmanship, with some creative elements evident in the design.	The student's model displays good craftsmanship, with attention to detail and creative elements incorporated into the design.	The student's model exhibits exceptional craftsmanship, with intricate details and innovative design choices that enhance the overall presentation.

Feedback on Model:

Mark out of 12: _____

Presentation (13 Marks)	Content	The student provides a basic overview of the chosen coral species, including some information about its habitat and physical attributes. However, the content lacks depth and accuracy, and key aspects such as ecological role, historical significance, and conservation status are either missing or inaccurately presented.	The student constructs the presentation with moderate depth and accuracy, effectively conveying information about the chosen coral species. The presentation covers most aspects such as habitat, physical attributes, and ecological role, but may lack detail or accuracy in some areas. Historical significance and conservation status are mentioned, but with limited detail or analysis.	The student constructs the presentation with good depth and accuracy, providing comprehensive information about the chosen coral species. The presentation effectively covers all aspects such as habitat, physical attributes, ecological role, historical significance for indigenous groups, and conservation status. Information is presented accurately and with sufficient detail to demonstrate a solid understanding of the topic.
	Reference to Model	Students' presentation doesn't reference the submitted model.	Student refers to their model 1-2 times during their presentation	Student uses presentation to completely support the existence of their model with multiple references.
	Audience Engagement	The student occasionally makes eye contact with the audience, speaks somewhat clearly, and shows minimal enthusiasm during parts of the presentation.	The student consistently makes eye contact with the audience, clearly speaks most of the time, and demonstrates moderate enthusiasm throughout the presentation.	The student maintains strong eye contact with the audience, speaks clearly and confidently, and consistently demonstrates enthusiasm, effectively capturing the audience's attention and interest.
	Visual Elements	Student attempts to use visual elements in presentation to support content.	Student includes some visual elements in presentation to support and enhance content, however, more could have been included.	Student includes appropriate number of visual media to deliver an interesting and engaging presentation.
	Participation	Student demonstrates appropriate listening and participation in other students' presentations		
Feedback on Presentation:				
Mark out of 13: _____				

Mark out of 25: _____

Percentage: _____