

## Marine Studies Assessment Task 3 – Physical Product

### Building a Coral model and Presentation Scaffold

#### **Task description**

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

The student's model should be annotated with information on the structure of the coral 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 including a mark based on the feedback provided to them.

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

## Part 1:

Select the type of coral you would like to model and answer the questions below in the space provided:

1. Is it a hard or soft coral?
2. What is its Linnaeus Classification?
3. Will you depict one polyp or a colony with your model?
4. What are the important features of its anatomy that you will need to include in your model?

A large, empty rectangular box with a thin black border, intended for the student to write their answers to the four questions listed above.

## Part 2:

Research for information to be included in your presentation. This should include the corals' habitat, physical attributes, ecological role, historical significance of the reef for indigenous groups, and conservation status.

1. Provide some general information about the Great Barrier Reef that you could use to start your presentation below:

2. What is the habitat of your selected coral?

3. Find an image of a map that shows the distribution of your selected coral and paste it below:

4. What are the distinctive physical attributes of your coral species? List them below:

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5. What is the ecological role of your coral species. Does it provide shelter for other organisms, does it help cycle nutrients, something else? Explain this down below:

6. In general terms, what is the cultural significance of the Great Barrier Reef. Provide some examples in the table below:

<b>Example</b>	<b>Evidence</b>

7. What is the conservation status of the area of the reef where your coral organism lives? Explain what this means for the other organisms that live there.

8. What are the features on your model that you will refer to in your presentation, based on the research you have just completed?

### Part 3:

Planning the Coral model.

1. In the space below, create a list of the resources you would like to create your model. You will need to negotiate with your teacher about the items that can be supplied by the school and the items you will need to supply yourself.

Materials

Tools

Techniques

## Part 4:

Suggested list of slides for presentation:

### ***Slide 1 - Title Slide:***

- a) Title
- b) Student Name
- c) Date

### ***Slide 2 - Introduction:***

- a) Brief overview of the presentation
- b) Introduction of the chosen coral species

### ***Slide 3 - Habitat and Physical Attributes:***

- a) Brief description of the coral species' habitat
- b) Visual representation of the physical characteristics

### ***Slide 4 – Ecological Role:***

- a) Explanation of the coral species' ecological importance

### ***Slide 5 – Historical and Cultural Significance:***

- a) Overview of any historical or cultural significance
- b) Examples of Indigenous sites and areas of significance

### ***Slide 6 – Conservation Status:***

- a) Brief discussion of the current conservation status of the area of reef where coral is located

### ***Slide 7 – Conclusion:***

- a) Summary of key points discussed.
- b) Final thoughts on the importance of the chosen coral species

### ***Slide 8 – Acknowledgements and References:***

- a) Thanking the audience and any individuals who provided support.
- b) List of sources cited in the presentation.