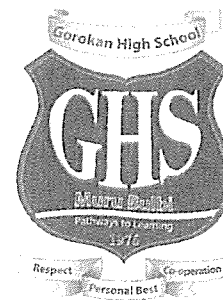


Assessment Task Notification



RESPECT | RESPONSIBILITY | PERSONAL BEST

Faculty: Science	Course: Marine Studies	Time allowed: 2 weeks
Teacher: Zak Watson		Email: zak.watson@education.nsw.gov.au
Task number: 1	Title: Ocean Snorkelling	
Year: 9/10	Due date: Week 10	Weighting: 20%

Syllabus outcomes assessed:

MAR5.1	identifies and describes a range of marine and aquatic ecosystems and investigates their complex interrelationships
MAR5.10	Demonstrates safe and responsible use of a range of materials, equipment and techniques in different aquaculture, marine and maritime situations.
MAR5.7	Identifies, describes and evaluates the ethical, social and sustainability issue related to the marine environment.

21st Century and employment related skills:

<input type="checkbox"/>	Communication	<input checked="" type="checkbox"/>	Use of technology
<input checked="" type="checkbox"/>	Critical Thinking	<input type="checkbox"/>	Self-reflection and refinement
<input type="checkbox"/>	Creativity	<input type="checkbox"/>	Problem Solving
<input checked="" type="checkbox"/>	Collaboration	<input type="checkbox"/>	Initiative and Enterprise
<input type="checkbox"/>	Planning and Organising	<input type="checkbox"/>	Cross-Cultural Understanding

Task description:

Research and present the following information in a Google document:

Part 1 – Marine ecosystems

Discuss the marine ecology found in the NSW marine environment:

- Plants (kelp, Neptune's necklace etc)
- Vertebrates (fish, sharks, rays etc)
- Invertebrates (crabs, jellyfish etc)

Discuss at least one example of each of these types of marine life that we are likely to see when snorkelling in Nelson Bay.

Create a food web that shows the interaction of at least 10 marine creatures found in NSW.

Part 2 – Planning a Snorkel

You are to plan our next snorkel around the rock shelf at Cabbage Tree Bay and Lighthouse Point. The aim of this dive is to maximise enjoyment and ensure the safety of the group. You must of course consider all conditions on the day and the level of fitness of your group.

Summarise any risks and safety measures you will need to implement to ensure a successful dive. Discuss your snorkel under optimum conditions. Discuss at least two safety techniques such as the buddy system and DRSABCD.

Part 3 – Snorkelling Conservation

There are many rules governing what divers are allowed to do in the water. These regulations range from collection of marine creatures, to safety, to spear fishing.

Discuss the regulatory body in NSW (Department of Primary industries) and summarise any regulations set by this body that may affect our practical snorkelling activities (include spear fishing).

Assessment criteria:

You will be assessed on your ability to address marking criteria. Please refer to this when completing each part of the assessment task.

Method of task submission:

Google Classroom.

Marking guidelines: See next page.

Marking Criteria:

Student Name:

	Outcome	0/missing	1	2	3
Part 1	5.1 Marine ecosystems	None of the information presented is relevant.	Outlines aquatic life aquatic life found in the Australian marine environment.	Explains aquatic life aquatic life found in the Australian marine environment.	Discusses aquatic life aquatic life found in the Australian marine environment.
		None of the information presented is relevant.	Food web is attempted with no direction of energy flow or unclear on what they eat and their role in ecosystem.	Food web includes direction of energy and what they eat but their role in ecosystem is unclear.	Food web includes direction of energy, what they eat and their role in ecosystem is clear.
Part 2 & 3	5.7 Safe and responsible	None of the information presented is relevant.	Outlines risks and safety measures for snorkelling.	Explains risks and safety measures for snorkelling.	Discusses risks and safety measures for snorkelling.
		None of the information presented is relevant.	Outlines safety measure buddy system	Explains safety measure buddy system	Discusses safety measure buddy system
		None of the information presented is relevant.	Outlines safety measure DRSABCD	Explains safety measure DRSABCD	Discusses safety measure DRSABCD
	5.10 Conservation and protection	None of the information presented is relevant.	Outlines role of department of primary industries.	Explains role of Department of primary industries.	Discusses role of Department of Primary Industries.
		None of the information presented is relevant.	Outlines regulations set by department of Primary Industries.	Explains regulations set by department of Primary Industries.	

Outcome	Your Mark	Possible mark
5.1		/6
5.7		/9
5.10		/6
Total		/20