

Marine Science and Aquatic Practices



Advice for Year 11 and 12 students learning from home



The Queensland Curriculum and Assessment Authority (QCAA) understands that the COVID-19 pandemic has changed the way many senior students are accessing their learning.

We've prepared some suggestions to help you with your studies.


Resources to support preparation for assessment

Marine Science

Assessment type	Suggestions to support learning from home
Data test (IA1) 	<ul style="list-style-type: none">Review the Internal assessment 1 (IA1) section of the subject report that can be found on the Teaching tab on the Marine Science subject page. Focus on the points about effective practices.Review the mandatory and suggested practicals, activities and case studies from Unit 3.Create practice data test questions using primary data from practicals you have done in class.Use the IA1 sample assessment instrument: Data test (10%) as a practice data test.Mark your responses to the sample data test using the IA1 sample marking scheme: Data test (10%).Search data reports based on Unit 3 subject matter (e.g. Great Barrier Reef Marine Park Authority, <i>2016 Coral Bleaching Event on the Great Barrier Reef: Final report</i> http://elibrary.gbrmpa.gov.au/jspui/bitstream/11017/3206/1/Final-report-2016-coral-bleaching-GBR.pdf) and practise interpreting each figure (e.g. graph, chart) in the report.
Student experiment (IA2) 	<ul style="list-style-type: none">Review the Internal assessment 2 (IA2) section of the subject report that can be found on the Teaching tab on the Marine Science subject page. Focus on the samples of effective practices.Consult with your teacher to determine a method that allows you to collect primary data remotely, such as<ul style="list-style-type: none">Australian Institute of Marine Science (AIMS) www.aims.gov.auNational Oceanic and Atmospheric Administration (NOAA) www.noaa.govVirtual Reef Diver www.virtualreef.org.auCoralWatch https://coralwatch.orgAustralian Ocean Data Network https://portal.aodn.org.au.Consider strategies to modify your research question to suit the data that you may be required to collect remotely.Use the IA2 high-level annotated sample response: Student experiment (20%) for Marine Science and the samples from similar Science subjects (e.g. Biology, Earth & Environmental Science) as examples of high-level responses.

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Research investigation (IA3) 	<ul style="list-style-type: none"> Review the Internal assessment 3 (IA3) section of the subject report that can be found on the Teaching tab on the Marine Science subject page. Focus on the points about effective practices. Use online resources to collect secondary data relevant to your research question, such as <ul style="list-style-type: none"> Department of Agriculture and Fisheries www.daf.qld.gov.au Department of Agriculture, Water and the Environment www.environment.gov.au/marine/fisheries Australian Fisheries Management Authority (AFMA) www.afma.gov.au Australian Bureau of Agricultural and Resource Economics and Sciences www.agriculture.gov.au/abares Great Barrier Reef Marine Park Authority (GBRMPA) www.gbrmpa.gov.au eAtlas https://eatlas.org.au Australian Ocean Data Network https://portal.aodn.org.au DRYAD https://datadryad.org. Consider strategies to modify your research question to suit the data that you may be required to collect remotely. Use the IA3 high-level annotated sample response: Research investigation (20%) for Marine Science and the samples from similar Science subjects (e.g. Biology, Earth & Environmental Science) as examples of high-level responses.
External assessment (EA) 	<ul style="list-style-type: none"> Review past papers and the sample external assessment that can be found on the Assessment tab on the Marine Science subject page. Review the External assessment section of the subject report that can be found on the Teaching tab on the Marine Science subject page. Focus on <ul style="list-style-type: none"> examples of effective student responses and practices practices to strengthen, including recommendations to consider when preparing for external assessment.

Aquatic Practices

Assessment type	Suggestions to support learning from home
<ul style="list-style-type: none"> Project Investigation 	<ul style="list-style-type: none"> Consult with your teacher to determine how you will demonstrate any practical aspects of the task. Keep a logbook to demonstrate development and progress of your project or investigation. Consult with your teacher to determine a method that allows you to collect primary data remotely. Use online resources to gather secondary information relevant to your research question, such as Queensland Department of Agriculture and Fisheries www.daf.qld.gov.au.



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