



# Biology



## 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

Assessment type	Suggestions to support learning from home
<b>Data test (IA1)</b> 	<ul style="list-style-type: none"><li>• Review the Internal assessment 1 (IA1) section of the subject report that can be found on the Teaching tab on the <a href="#">Biology subject page</a>. Focus on the points about effective practices.</li><li>• Review the mandatory and suggested practicals, activities and case studies from Unit 3.</li><li>• Create practice data test questions using primary data from practicals you have done in class.</li><li>• Use the <a href="#">IA1 sample assessment instrument: Data test (10%)</a> as a practice data test.</li><li>• Mark your responses to the sample data test using the <a href="#">IA1 sample marking scheme: Data test (10%)</a>.</li></ul>
<b>Student experiment (IA2)</b> 	<ul style="list-style-type: none"><li>• Review the Internal assessment 2 (IA2) section of the subject report that can be found on the Teaching tab on the <a href="#">Biology subject page</a>. Focus on the samples of effective practices.</li><li>• Consult with your teacher to determine a method that allows you to collect primary data remotely, such as<ul style="list-style-type: none"><li>– share group/class photographs of quadrats, transect lines, or alternative field data collection techniques</li><li>– online databases, e.g. Coralwatch <a href="https://coralwatch.org">https://coralwatch.org</a>, TERN <a href="http://www.tern.org.au">www.tern.org.au</a></li><li>– simulations, e.g. ise Exchange: Jon Darkow's work <a href="https://exchange.iseesystems.com/directory/jondarkow">https://exchange.iseesystems.com/directory/jondarkow</a>.</li></ul></li><li>• Consider strategies to modify your research question to suit the data that you may be required to collect remotely.</li><li>• Use the <a href="#">IA2 high-level annotated sample response: Student experiment (20%)</a> for Biology and the samples from similar Science subjects (e.g. Marine Science, Earth &amp; Environmental Science) as examples of high-level responses.</li></ul>

Assessment type	Suggestions to support learning from home
<b>Research investigation (IA3)</b> 	<ul style="list-style-type: none"> <li>• Review the Internal assessment 3 (IA3) section of the subject report that can be found on the Teaching tab on the <a href="#">Biology subject page</a>. Focus on the samples of effective practices.</li> <li>• Use online resources to collect secondary data relevant to your research question, such as <ul style="list-style-type: none"> <li>– Elsevier open access journals <a href="http://www.elsevier.com/about/open-science/open-access/open-access-journals">www.elsevier.com/about/open-science/open-access/open-access-journals</a></li> <li>– State Library of Queensland <a href="http://www.slq.qld.gov.au">www.slq.qld.gov.au</a></li> <li>– Wikipedia list of open access journals <a href="https://en.wikipedia.org/wiki/List_of_open-access_journals">https://en.wikipedia.org/wiki/List_of_open-access_journals</a> for Biology and other Science subjects.</li> </ul> </li> <li>• Consider strategies to modify your research question to suit the data that you may be required to collect remotely.</li> <li>• Use the <a href="#">IA3 high-level annotated sample response: Research investigation (20%)</a> for Biology and the samples from similar Science subjects (e.g. Marine Science, Earth &amp; Environmental Science) as examples of high-level responses.</li> </ul>
<b>External assessment (EA)</b> 	<ul style="list-style-type: none"> <li>• Review past papers and the sample external assessment that can be found on the Assessment tab on the <a href="#">Biology subject page</a>.</li> <li>• Review the External assessment section of the subject report that can be found on the Teaching tab on the <a href="#">Biology subject page</a>. Focus on <ul style="list-style-type: none"> <li>– examples of effective student responses and practices</li> <li>– practices to strengthen, including recommendations to consider when preparing for external assessment.</li> </ul> </li> </ul>

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