




# Mathematical Methods

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 preparing for assessment

Assessment type	Suggestions to support learning from home
<b>Problem-solving and modelling task (PSMT) (IA1)</b> 	<ul style="list-style-type: none"><li>Follow an approach to <a href="#">problem-solving and mathematical modelling</a>.</li><li>Review the sample PSMTs on the Assessment tab on the <a href="#">Mathematical Methods subject page</a>.</li><li>Review the Internal assessment 1 (IA1) section of the subject report that can be found on the Teaching tab on the <a href="#">Mathematical Methods subject page</a>. Focus on the effective practices samples.</li><li>Review sample problems such as those provided in<ul style="list-style-type: none"><li>the International Mathematical Modeling Challenge <a href="http://www.immchallenge.org.au/supporting-resources">www.immchallenge.org.au/supporting-resources</a></li><li>NRICH Thinking Mathematically <a href="https://nrich.maths.org/8767">https://nrich.maths.org/8767</a>.</li></ul></li><li>Complete the <a href="#">Academic integrity for students</a> course.</li></ul>
<b>Examination (IA2 — Unit 3)</b> <b>Examination (IA3 — Unit 3)</b> 	<ul style="list-style-type: none"><li>Review the sample examinations on Assessment tab on the <a href="#">Mathematical Methods subject page</a>.</li><li>Review the Internal assessment 2 (IA2) section of the subject report that can be found on the Teaching tab on the <a href="#">Mathematical Methods subject page</a>. Focus on the effective practices samples.</li><li>Review the Internal assessment 3 (IA3) section of the subject report that can be found on the Teaching tab on the <a href="#">Mathematical Methods subject page</a>. Focus on the effective practices samples.</li><li>Use resources to support understanding of the subject matter<ul style="list-style-type: none"><li>Department of Education learning @ home, Senior schooling <a href="https://education.qld.gov.au/curriculum/learning-at-home/senior-schooling">https://education.qld.gov.au/curriculum/learning-at-home/senior-schooling</a></li><li>Learn mathematics with Eddie Woo, Year 11–12 (QLD) — Mathematical Methods 12 (2019 Edition) <a href="https://wootube.mathspace.co/?id=Year%2011%20-%2012%20(QLD)-195">https://wootube.mathspace.co/?id=Year%2011%20-%2012%20(QLD)-195</a></li><li>Maths videos Australia, QLD Mathematical Methods <a href="https://mathsvideosaustralia.com/qld/qld-mathematical-methods">https://mathsvideosaustralia.com/qld/qld-mathematical-methods</a></li><li>M1 Maths <a href="http://m1maths.com">http://m1maths.com</a></li><li>Khan Academy <a href="http://www.khanacademy.org">www.khanacademy.org</a></li><li>GeoGebra <a href="http://www.geogebra.org">www.geogebra.org</a></li><li>Desmos <a href="https://learn.desmos.com">https://learn.desmos.com</a></li><li>Underground mathematics <a href="https://undergroundmathematics.org">https://undergroundmathematics.org</a>.</li></ul></li></ul>
<b>External assessment (EA)</b> 	<ul style="list-style-type: none"><li>Review and practise past papers and the sample external assessment that can be found on the Assessment tab on the <a href="#">Mathematical Methods 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="#">Mathematical Methods 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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