




Specialist Mathematics

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 assessments.

Resources to support preparing for assessment

Assessment type	Suggestions to support learning from home
Problem-solving and modelling task (PSMT) (IA1) 	<ul style="list-style-type: none">• Follow an approach to problem-solving and mathematical modelling.• Review the sample PSMTs on Assessment tab on the Specialist Mathematics subject page.• Review the Internal assessment 1 (IA1) section of the subject report that can be found on the Teaching tab on the Specialist Mathematics subject page. Focus on the effective practices samples.• Review sample problems such as those provided in<ul style="list-style-type: none">– the International Mathematical Modeling Challenge www.immchallenge.org.au/supporting-resources– NRICM Thinking Mathematically https://nrich.maths.org/8767.• Complete the Academic integrity for students course.
Examination (IA2 — Unit 3) Examination (IA3 — Unit 4) 	<ul style="list-style-type: none">• Review the sample examinations on Assessment tab on the Specialist Mathematics subject page.• Review the Internal assessment 2 (IA2) section of the subject report that can be found on the Teaching tab on the Specialist Mathematics subject page. Focus on the effective practices samples.• Review the Internal assessment 3 (IA3) section of the subject report that can be found on the Teaching tab on the Specialist Mathematics subject page. Focus on the effective practices samples.• Use resources to support understanding of the subject matter<ul style="list-style-type: none">– Department of Education learning @ home, Senior schooling https://education.qld.gov.au/curriculum/learning-at-home/senior-schooling– Maths videos Australia, QLD Specialist Maths https://mathsvideosaustralia.com/qld/specialist– Khan Academy www.khanacademy.org– GeoGebra www.geogebra.org– Desmos https://learn.desmos.com– Underground mathematics https://undergroundmathematics.org.
External assessment (EA) 	<ul style="list-style-type: none">• Review and practise past papers and the sample external assessment that can be found on the Assessment tab on the Specialist Mathematics subject page.• Review the External assessment section of the subject report that can be found on the Teaching tab on the Specialist Mathematics 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.

 © State of Queensland (QCAA) 2021

Licence: <https://creativecommons.org/licenses/by/4.0> | **Copyright notice:** www.qcaa.qld.edu.au/copyright — lists the full terms and conditions, which specify certain exceptions to the licence. |

Attribution: '© State of Queensland (QCAA) 2021' — please include the link to our copyright notice.