

# Assessment program audit tool

For Authority subjects

## Mathematics C (2008)

The purpose of this audit tool is to enable schools to compare the requirements of their assessment program to the minimum assessment requirements of the syllabus, and to subsequently consider possible amendments to their school work program.

Assessment instruments required in Year 12 (including objectives/dimensions assessed)	Conditions required by the syllabus e.g. word length, time, genre	School assessment instruments (including objectives/dimensions assessed)	Conditions in school work program	Variations
Refer to syllabus verification and post-verification requirements. (Note: the number of instruments will vary with syllabuses.)	Refer to the syllabus assessment section	Refer to the school's approved work program	Refer to the school's approved work program	How does the school's assessment program differ from syllabus requirements?
<b>Verification requirements: Minimum 4 and a maximum 10 summative assessment responses</b> , with at least one being an extended problem-solving task.  Assessment techniques including: <ul style="list-style-type: none"><li>extended modelling and problem-solving tasks</li><li>reports</li><li>supervised assessment.</li></ul> Extended modelling and problem-solving task, report or similar must be included at least twice a year.	Syllabus p. 39			

<p><b>Extended modelling and problem-solving task</b></p> <p>Criteria assessed</p> <ul style="list-style-type: none"> <li>• Knowledge and procedures (KAP)</li> <li>• Modelling and problem solving (MAPS)</li> <li>• Communication and justification (CAJ).</li> </ul>	<p>Response to a mathematical task that may require students to:</p> <ul style="list-style-type: none"> <li>• analyse information and data from a variety of sources</li> <li>• process information to identify assumptions and parameters</li> <li>• interpret and synthesise data</li> <li>• explain relationships to develop and support mathematical arguments</li> <li>• reflect on and evaluate data collected, propositions, results and conclusions</li> <li>• communicate ideas.</li> </ul> <p>Syllabus p. 35</p>	<p><b>School assessment program</b></p> <p>1.</p>		
<p><b>Report</b></p> <p>Criteria assessed:</p> <ul style="list-style-type: none"> <li>• KAP</li> <li>• MAPS</li> <li>• CAJ.</li> </ul>	<p>An extended response to a practical or investigative task such as:</p> <ul style="list-style-type: none"> <li>• an experiment</li> <li>• a mathematical investigation</li> <li>• a field study</li> <li>• a project.</li> </ul> <p>The report includes an introduction, analysis of results and data, conclusions drawn, justification, and when</p>	<p>2.</p>		

<p><b>Supervised test</b> Criteria assessed:</p> <ul style="list-style-type: none"> <li>• KAP</li> <li>• MAPS</li> <li>• CAJ.</li> </ul> <p><b>Minimum of one other assessment instrument</b> from the following:</p> <ul style="list-style-type: none"> <li>• extended modelling and problem-solving task</li> <li>• report</li> <li>• supervised test.</li> </ul>	necessary, appendixes, a bibliography and /or reference list. Syllabus p. 36	3.		
	May include the following techniques:	4.		
	<ul style="list-style-type: none"> <li>• short items</li> <li>• practical exercises</li> <li>• paragraph responses</li> <li>• responses to seen or unseen stimulus materials.</li> </ul> Syllabus p. 37	5.		
	As above Syllabus pp. 31–33	6.		

Verification				
<b>One assessment instrument.</b> It is desirable for the instrument to include all criteria.	As above Syllabus pp. 35–37 and p. 39			

## Summary

What changes could be made to the school's work program?

## More information

If you would like more information, please email [qau@qsa.qld.edu.au](mailto:qau@qsa.qld.edu.au) or phone 3864 0375. The moderation and quality assurance pages of the QSA website can be accessed at <[www.qsa.qld.edu.au/586.html](http://www.qsa.qld.edu.au/586.html)>.