Mathematics Standard 1 Stage 6 Syllabus (2017) Quick Reference Guide 2025

Key information for the Mathematics Standard 1 Stage 6 syllabus (2017)

- Schools and teachers use syllabuses to develop educational programs for students. The Mathematics Standard 1 Stage 6 syllabus (2017) requires students to study 15 subtopics over 240 hours of course time.
- School-based assessment specifications require schools to develop an assessment program for each Year 11 and Year 12 course. For school-based assessment requirements refer to Assessment and reporting in Mathematics Standard Stage 6.
- The Mathematics Standard Stage 6 Syllabus (2017) has subject specific terms in a glossary that are important to know. The glossary can be found within the syllabus document on page 86.

HSC examinations

- For details on the HSC Mathematics Standard 1 examination, refer to Assessment and reporting in Mathematics Standard 1 Stage 6.
- The HSC examination will be based on the Mathematics Standard 1 Year 12 course and will focus on the course objectives and Year 12 outcomes. Some of the Mathematics Standard Year 11 course (marked with a diamond symbol) will be assumed knowledge for this examination and may be examined. The HSC Mathematics Standard 1 examination consists of a written paper worth 80 marks. The time allowed is 2 hours plus 10 minutes reading time. The Mathematics Standard 1 and 2 Reference Sheet will be provided.
- Past HSC papers and markers feedback by NESA, are a useful resource to help students to become familiar with the examination format and structure. Past papers for Mathematics Standard 1 can be found at HSC exam papers.
- HSC standards materials by NESA, provide a collection of resources of sample responses typical of work at the boundaries between HSC bands. The Mathematics Standard 1 standards materials can be found on the NESA webpages.

Support materials

The Mathematics Curriculum Team provides resources to support NSW teachers in the implementation of the Mathematics Standard 1 Stage 6 syllabus (2017).

- The Planning programming and assessing mathematics 11–12 webpage contains sample scope and sequences, units of learning and assessment tasks for the Mathematics Standard 1 Stage 6 syllabus (2017).
- Resources can also be found on the Mathematics statewide staffroom where there is a channel for Mathematics Standard. Here you will find sample scope and sequences, sample units of learning, sample assessment tasks and solutions to NESA exemplar questions.
- NESA also has a range of support materials on the Mathematics Standard Stage 6 Syllabus (2017) webpage including topic guidance, sample scope and sequences, sample units, sample assessment schedules and sample formal assessment tasks.

Professional learning available

The Mathematics Curriculum Team provide a range of 'on demand' professional learning resources to support the implementation of the Mathematics Standard 1 Syllabus (2017) including:

- Networks for Mathematics Standard 1 and 2
- Statewide Staffroom recordings

A range of live online and face to face professional learning events are available throughout the year. To view any upcoming events visit the Mathematics professional learning page to stay up to date.

General HSC information

- The NSW Education Standards Authority (NESA) oversees the Higher School Certificate (HSC), offering resources for students on exam preparation, course selection, and academic integrity.
- The NESA HSC glossary provides teachers with guidance on how to use key terms consistently, ensuring students understand their meanings and apply them appropriately across various subjects for effective exam preparation.
- The NESA HSC assessment moderation process ensures fairness by adjusting school assessment marks based on exam results, making them comparable across schools.
- The ACE rules outline HSC school-based assessment integrity, task development, marking, appeals, and record-keeping. They cover malpractice policies, illness/misadventure procedures, task notifications, ranking, and restrictions on reporting final marks, ensuring compliance with NESA's assessment standards.
- HSC monitoring advice, Section 1.6 outlines HSC record-keeping requirements, including teaching programs, assessment documentation, interventions and work samples. Visit Stage 6 – monitoring implementation and support for more information.
- School-based assessment for the HSC contributes to a student's final mark and is designed to evaluate students' understanding and skills based on syllabus outcomes.

Contact us

If you would like further information or support, please email mathematics7-12@det.nsw.edu.au or reach out to our team via the Mathematics Statewide Staffroom.