



Key information for the Mathematics Standard 11-12 syllabus

- Schools and teachers use syllabuses to develop educational programs for students. The [Mathematics Standard 11-12 Syllabus \(2024\)](#) is organised into 5 areas of study over 120 hours in Year 11 and 120 hours in Year 12.
- The new Mathematics Standard Syllabus is digital and formatted in this manner for all reform syllabuses. The digital format is interactive and allows for easy navigation. You can filter, search for specific topics, and explore resources directly access teaching advice, content examples and Life Skills information. Categories include overview; rationale; aim; outcomes; content; assessment; glossary and teaching and learning support.
- School-based assessment requirements must reflect the components 'Knowledge and understanding' and 'Skills in working mathematically' with a weighting of 50% each.

Refer to [Formal assessment programs and tasks | NSW Curriculum | NSW Education Standards Authority](#) for updates.

- Subject specific glossary: The Mathematics Standard syllabus has subject specific terms in a glossary that are important to know. [Mathematics Standard 11-12 Syllabus \(2024\)](#).
- The Mathematics Standard 11-12 Syllabus aligns with the Mathematics Life Skills 11-12 Syllabus to provide opportunities for integrated delivery.
- The Mathematics Standard Year 11 course is undertaken by all students intending to study either the Year 12 Mathematics Standard 1 course or the Year 12 Mathematics Standard 2 course.

HSC Examinations

Standard 2

- The HSC examination will be based on the Mathematics Standard 2 Year 12 course and will focus on the course objectives and Year 12 outcomes. The Mathematics Standard Year 11 course will be assumed knowledge for this examination and may be examined. The HSC Mathematics Standard 2 examination consists of a written paper worth 100 marks. The time allowed is 2.5 hours plus 10 minutes reading time. The [Mathematics Standard 1 and 2 Reference Sheet](#) will be provided.
- A sample HSC paper by NESA is a useful resource to help students become familiar with the examination format and structure. The sample paper for Mathematics Standard 2 can be found at [Teaching and learning support](#) in the syllabus documents.

Standard 1

- 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. The Mathematics Standard Year 11 course 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.

- A sample HSC paper by NESA is a useful resource to help students become familiar with the examination format and structure. The sample paper for Mathematics Standard 1 can be found at [Teaching and learning support](#) in the syllabus documents.

Support materials

- The Mathematics Curriculum Team provides resources to support NSW teachers in the delivery of the Mathematics Standard 11-12 syllabus and can be located on the [Planning, programming and assessing Mathematics 11-12](#) webpage. Here you will find sample scope and sequences, units of learning and assessment tasks for the Mathematics Standard 11-12 syllabus (2024).



- 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 11-12 Syllabus \(2024\)](#) webpage including sample scope and sequences, sample units, sample assessment schedules and sample formal assessment tasks.

Professional learning

There are a range of 'on demand' professional learning resources to support to support the implementation of the Mathematics Standard 11-12 Syllabus (2024) including:

- [Mathematics 11-12 Microlearning](#) on MyPL
- [Statewide Staffroom recordings](#)

We also offer a range of live online and face to face professional learning events throughout the year. To view any upcoming events, go to the [Mathematics professional learning](#) page.

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

To contact us you can email us via mathematics7-12@det.nsw.edu.au or reach out to our team via the [Mathematics Statewide Staffroom](#).

