# Mathematics 7–10 Syllabus video

## Transcript

The Mathematics Syllabus for Years 7–10 is content rich and features clear and explicit outcomes, a focus on Working Mathematically and the provision of flexible pathways towards Stage 6.

The syllabus uses evidence-based research to develop essential knowledge, understanding and skills for all learners.

Clear, concise language identifies key concepts, knowledge and skills.

New South Wales classrooms are diverse.

Each student brings abilities, talents, backgrounds and experiences that should be valued and nurtured.

Our Statement of Equity Principles makes sure that syllabuses are designed to be inclusive of every student in NSW, including Aboriginal students, students with disability, students learning English as an additional language or dialect, and gifted and talented students.

The syllabus features a new Core–Paths structure that encourages aspiration in students and is intended to provide solid foundations for student engagement in higher level mathematics courses.

The structure is flexible and empowers teachers to tailor programs to meet the needs of students as they progress towards Stage 6 courses.

The syllabus has a more explicit focus on Working Mathematically as students communicate reasoning, understanding and fluency, and engage in problem-solving. These perspectives are embedded within the content and examples.

The focus on working mathematically reflects evidence that it increases students’ confidence in applying their mathematical knowledge.

The syllabus contains Core and Paths outcomes.

The Core in Stages 4 and 5 provides the foundation for Mathematics Standard 2 in Stage 6.

Paths help prepare students for Stage 6 and are clearly linked to Year 11 and 12 Mathematics courses.

Content within the Core– Paths structure demonstrates clear progression and has been streamlined to identify essential knowledge. Examples have been added to clarify the intent of the learning.

Students who require ongoing support in completing all of the Core outcomes by the end of Stage 5, may consider either Mathematics Standard 1 or the Numeracy Content Endorsed Course in Stage 6.

Life Skills outcomes and content in Years 7–10 provide learning pathways in Mathematics for some students with intellectual disability.

The syllabus is provided on a purpose-built website with quick, easy navigation and access to outcomes and content.

Syllabus elements are easily viewed, downloaded and printed.

The curriculum will give teachers more time to focus on teaching, so that students develop a deeper understanding of core concepts.

It will ensure students develop strong foundations for learning, life and work in a complex and fast-changing world.

You can view the syllabus and information regarding implementation at [www.curriculum.nsw.edu.au](http://curriculum.nsw.edu.au/)

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