# Computing Technologies 7–12 Syllabuses video

## Transcript

The Computing Technology syllabuses for Years 7–12 improve digital literacy and learning of digital technologies, preparing students for life and work in a rapidly evolving environment.

The elective subjects reflect the changing nature of computing technologies.

The syllabuses have been developed using evidence-based research to enhance essential knowledge and skills for all learners.

Simple, concise language clearly 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.

There are clear expectations for students to actively engage with syllabus content.

Computing solutions are developed through project work in Years 7–10 and in the Years 11–12 Enterprise Computing and Software Engineering courses.

In Years 7–10, students learn knowledge and skills within two categories of computing: Enterprise Information Systems and Software Development.

Students can learn programming in a text-based and object-oriented language. Content is grouped into focus areas using a design and production approach.

The range of focus areas and more flexible course requirements give teachers the freedom to integrate content from more than one focus area and teach thematically. Targeted examples are included to guide teachers.

Teachers can use additional contemporary examples to support learning. For example, students learn and implement cyber safety and cybersecurity principles based on current, real-world scenarios.

The Years 7–10 streams progress to the new Enterprise Computing and Software Engineering syllabuses in Years 11–12. The Enterprise Computing 11–12 Syllabus develops deeper knowledge, understanding and skills in data analysis and the interconnected nature of computing technology used in enterprise. The Software Engineering 11–12 Syllabus develops deeper knowledge, understanding and skills associated with programming and coding software solutions in the modern world for a range of applications.

Life Skills outcomes and content provide a learning pathway for students with intellectual disability.

Students develop skills to safely and effectively use technology in everyday life.

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

Syllabus components are easily viewed, downloaded and printed.

The curriculum will give teachers more time to focus on teaching, so that students gain 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 syllabuses and information regarding implementation for each syllabus at [www.curriculum.nsw.edu.au](http://www.curriculum.nsw.edu.au)

Online, accredited professional development can be accessed by teachers by visiting NESA’s online learning hub. Self-enrol now. [www.catalog.learning@nesa.nsw.edu.au](http://www.catalog.learning@nesa.nsw.edu.au)

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