# Science and Technology K–6 (2024): Syllabus video

## Transcript

The Science and Technology K–6 Syllabus aims to foster students’ wonder and curiosity as they seek to know, understand and make sense of the world.

The syllabus supports students to understand natural phenomena and ways in which science and technologies can be used for the benefit of humanity and the planet.

Areas of study include Design and Digital Technologies, animals, plants, Earth and space and the human body.

Students observe, test and question to gather data as evidence to support scientific arguments.

By using digital technologies and design processes to create and evaluate solutions, students develop programming skills, enhancing their creative and critical thinking.

The syllabus has been developed using evidence-based research.

Clear, concise language identifies the essential content for all learners.

Across learning areas, the primary curriculum is designed to be coherent, and is carefully sequenced, to build vocabulary and rich background knowledge that students can draw on as they encounter increasingly complex concepts and language.

Students engage in practical investigations, applying literacy and numeracy skills to gather, represent and interpret data.

Explicit writing content supports students to become fluent creators of texts and to deepen their understanding of scientific concepts and processes.

Students learn about environments, energy and materials and explore design possibilities for creating a sustainable future.

Students are provided with opportunities to develop technological literacy skills through the use of digital and design technologies.

New South Wales classrooms are diverse.

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

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

Early Stage 1 access content points provide a pathway for 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 provides teachers with more time to focus on teaching, so that students develop a deeper understanding of core concepts.

It supports students to 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 [curriculum.nsw.edu.au](http://curriculum.nsw.edu.au/)

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