

NEW NSW SCIENCE AND TECHNOLOGY K–6 SYLLABUS



What is the Australian Curriculum?

In NSW the Australian Curriculum is implemented through syllabuses developed by the NSW Education Standards Authority (NESA).

NESA has developed a new Science and Technology syllabus for Kindergarten to Year 6. The new syllabus addresses Australian Curriculum content and further detail that clarifies learning.

When will the new Science and Technology syllabus be taught in NSW?

2018	School planning for the new syllabus
2019	Implementation for K–6

What will my child learn in Science and Technology Kindergarten–Year 6?

The new syllabus builds on the strengths of the existing NSW Science and Technology K–6 syllabus. The syllabus identifies the knowledge, understanding, skills, values and attitudes that students are expected to develop in Science and Technology. The syllabus is designed to provide flexibility for teachers to develop their teaching and learning programs to meet the needs of their students.

- Science and Technology is one of the six key learning areas in the primary curriculum and consists of five strands.
- In **Living World** students learn about living things, the needs of living things and where food comes from.
- In **Material World** students explore the characteristics and properties of materials and substances.
- In **Physical World** students explore forces, energy and how the physical characteristics of objects affect movement.

- In **Earth and Space** they learn about the Earth's place in the universe and about caring for the Earth's resources.
- In **Digital Technologies** they investigate existing technologies and create digital solutions.
- Students develop an understanding of the five strands through two skill processes: Working Scientifically, and Design and Production. This enables students to answer questions and develop creative solutions to problems.
- Students learn about the influence and relevance of science and technology in their lives now and in the future.

The syllabus addresses important contemporary themes and general capabilities as students prepare to live and work successfully in the 21st century. These include Australian Curriculum cross-curriculum priorities and general capabilities, and other learning across the curriculum areas identified by NESA.

Cross-curriculum priorities	Aboriginal and Torres Strait Islander histories and cultures Asia and Australia's engagement with Asia Sustainability
General capabilities	Critical and creative thinking Ethical understanding Information and communication technology capability Intercultural understanding Literacy Numeracy Personal and social capability
Other learning across the curriculum areas	Civics and citizenship Difference and diversity Work and enterprise

How does the syllabus include all learners?

The *Science and Technology K–6 Syllabus* is inclusive of the learning needs of all students. Particular advice about supporting students with special education needs, gifted and talented students, and students learning English as an additional language or dialect is included in the syllabus and on NESA's website.

Students with special education needs may require adjustments to teaching, learning and assessment in Science and Technology. Schools can differentiate teaching programs to meet the individual learning needs of students, including accessing syllabus content from an earlier Stage. Speak to your school about the most appropriate learning options for your child.

Where can I find more information?

For more information visit these sections on the NESA website:

- Parents' guide: <http://educationstandards.nsw.edu.au/wps/portal/nesa/parents/parent-guide>
- Special education: <http://educationstandards.nsw.edu.au/wps/portal/nesa/k-10/diversity-in-learning/special-education>
- NSW K–10 syllabuses: <http://educationstandards.nsw.edu.au/wps/portal/nesa/k-10/understanding-the-curriculum/syllabuses-a-z>