The new Science and Technology syllabus has been developed using the established NSW Education Standards Authority (NESA) syllabus development process. The syllabus includes Australian Curriculum content and content that clarifies learning for Science and Technology from Kindergarten to Year 6. The Stage statements for Early Stage 1 to Stage 3 reflect the intent of the Australian Curriculum achievement standards.

The syllabus identifies the knowledge, understanding, skills, values and attitudes students are expected to develop at each Stage, from Kindergarten to Year 6. Teachers will continue to have the flexibility to make decisions about the sequence of learning, the emphasis to be given to particular areas of content, and any adjustments required based on the needs, interests, abilities and prior learning of their students.

NESA continues to promote a standards-referenced approach to assessing and reporting student achievement. The approaches of assessment for, assessment as and assessment of learning are important to guide future teaching and learning opportunities and to provide students with ongoing feedback.

The structure and many of the features of the current Science and Technology syllabus have been retained, including:

- rationale
- aim
- objectives and outcomes
- stage statements
- content organised in Stages from Early Stage 1 to Stage 3
- glossary
- interactive online format.

Learning across the curriculum areas include cross-curriculum priorities, general capabilities and other important learning for all students. These 13 areas are incorporated in the content of the syllabus and identified by icons. Teachers may identify additional opportunities for students to learn about these areas.
What is similar?

Students will continue to be provided with opportunities to:
• learn about the Living World, Material World, Physical World, and Earth and Space
• develop the skills of Working Scientifically.

What is different?

• The syllabus includes five strands for each Stage of learning: Living World, Material World and Physical World, Earth and Space, Digital Technologies.
• The number of outcomes has been reduced.
• The coding of Australian Curriculum Science (ACS), Design and Technologies (ACTDE) and Digital Technologies (ACTDI) content is included.
• Design and Production replaces Working Technologically to strengthen the continuum of learning from Kindergarten to Year 12.
• Working Scientifically and Design and Production are embedded in the knowledge and understanding content.
• Inquiry Questions and Focus Questions are provided to focus teaching and learning.
• Opportunities to apply thinking skills are identified throughout the content.
• The interactive glossary has been expanded.

How does the syllabus cater for all students?

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.

Students with special education needs can access the outcomes and content in a range of ways, including:
• with adjustments to teaching learning and/or assessment activities; or
• through selected syllabus outcomes and content appropriate to their learning needs; or
• through syllabus outcomes from an earlier Stage, using age-appropriate content.

What is the plan for implementation?

<table>
<thead>
<tr>
<th>2018</th>
<th>Familiarisation and planning</th>
</tr>
</thead>
<tbody>
<tr>
<td>2019</td>
<td>Implementation in all Stages</td>
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</table>
What materials will be provided to support implementation?

Many existing resources will continue to be useful and relevant. Teaching units will require modification to meet the requirements of the new syllabus and to accommodate new outcomes and content.

The *Science and Technology K–6 Syllabus* will be available in an interactive online format. The online format will be able to be viewed by Stage, outcomes or content.

Support materials will assist teachers in familiarisation and planning of the syllabus and assessment requirements. Program Builder, an online programming tool, will be available for teachers during 2019.

Initial materials released with the syllabus include:
- this guide
- a parent guide.

Additional materials to be released throughout 2018 include:
- sample scope and sequences
- sample teaching units.

The NSW Department of Education, the Catholic Education Commission NSW, the Association of Independent Schools of NSW, and other school systems and professional associations will continue to assist and support the ongoing implementation of the syllabus.

How can I access the new Science and Technology K–6 syllabus?

The *Science and Technology K–6 Syllabus* is available on the NESA website.