Summary of changes to the Western Australian Curriculum: Technologies

Overview

The Western Australian Technologies curriculum was originally adopted and adapted from the Australian Curriculum version 8.4 (2017) to develop year level syllabuses.

The Technologies curriculum has been revised against the Australian Curriculum version 9, contextualised for the *Western Australian Curriculum and Assessment Outline* to meet the needs of students and teachers. The content has been clarified, and exemplified, to support teachers in planning for teaching, learning and assessment.

The Western Australian Curriculum: Technologies learning area comprises two subjects:

- Design and Technologies
- Digital Technologies

The Technologies curriculum is written on the basis that all students will study both Technologies subjects from Pre-primary to the end of Year 8. Within Design and Technologies (Engineering principles and systems; Food and fibre production; Food specialisations; Materials and technologies specialisations), students have the opportunity to study at least one of the contexts.

In Years 9 and 10 the study of Technologies is optional.

In Design and Technologies, it is desirable that schools provide students with the opportunity to engage with all contexts across Pre-primary to Year 10.

Subject: Design and Technologies – Summary of changes

Sub-strand – renamed

- **Processing and Production skills – Creating solutions by** renamed **Creating solutions** from Pre-primary to Year 10. This sub-strand is shared content with Digital Technologies for each year level, Pre-primary to Year 10.

Subject content

New content

- inclusion of content descriptions for Food specialisations from Pre-primary
- examples have been added to clarify content descriptions and, where appropriate, to support teacher understanding and provide background for teaching, such as for the context: Materials and technologies specialisations considers a wider scope of 'materials' to include textiles, jewellery, plastics and composites
- reviewed and refined language within the content descriptions, including sub-strand: Creating solutions
- language updated to reflect contemporary understandings, current trends and terminology, and connections with industry

- some changes to content descriptions to enhance the progression across year levels, including transition from Year 6 to Year 7
- content descriptions, particularly for Years 7–10
  - create stronger connection between Technologies and Society and each of the four contexts
  - align content for each context to be consistent in knowledge, application, breadth and sequential development at each year level, and
  - consider sustainable factors for designed solutions

Reorganised content

- some content has been reorganised to support content threads that are clear and developmentally appropriate to the year level
- removal of 'combined' contexts and reorganised as four distinct contexts. Each year from Pre-primary, students have the opportunity to study at least one of the contexts

Deleted content

- removal of outdated content and terminology
- removal of content that was repetitious in the sub-strand: **Process and production skills** and **Creating solutions by**

Year level descriptions

Updated descriptions

- inclusion of *Phases of Schooling* information to provide teachers with guidance about the variety of curriculum experiences likely to support children and students at each phase
- updated to align with the revised content descriptions

Achievement standards

Clarification of statements

- reviewed to align with revised content descriptions
- ensured the standards provide specific information for teachers to make informed judgements about student achievement

Subject: Digital Technologies – Summary of changes

Sub-strands – renamed

- Collecting, managing and analysing data renamed Acquiring, managing and analysing data
- Representation of data renamed Data representation
- Creating solutions by renamed Creating solutions

Sub-strand – added

- **Privacy and security** added from Pre-primary to Year 6

Sub-strand – removed

- Collecting, managing and analysing data removed from Pre-primary to Year 6

Subject content

New content

- reviewed and refined language in the content descriptions
- metalanguage updated in content descriptions
- examples have been added to clarify content descriptions and, where appropriate, to support teacher understanding and provide context for teaching
- some changes to content descriptions to enhance the progression across year levels

Reorganised content

- some content has been reorganised to support content threads that are clear and developmentally appropriate to the year level

Deleted content

- removal of outdated content
- removal of content that was repetitious in both **Process and production skills** and **Creating solutions by**
- sub-strand language variation and change

Year level descriptions

Updated descriptions

- inclusion of *Phases of Schooling* information to provide teachers with guidance about the variety of curriculum experiences likely to support children and students at each phase
- updated to align with the revised content descriptions

Achievement standards

Clarification of statements

- reviewed to align with revised content descriptions
- ensured the standards provide specific information for teachers to make informed judgements about student achievement