Learning area overview

Prep–Year 10 Australian Curriculum

Technologies

Australian Curriculum Version 8

The Australian Curriculum defines a solid foundation in knowledge, understanding, skills and values for all Australian students. This overview summarises key elements of this learning area.

Key ideas

Overarching idea: creating preferred futures	
Project management	**Thinking in Technologies**
	Systems thinking
	Design thinking
	Computational thinking

Subjects

Design and Technologies	**Digital Technologies**

Content descriptions

Content descriptions describe what is to be taught and what students are expected to learn. Content descriptions are organised through strands.

Strand

Knowledge and understanding	
Technologies and society	**Digital systems**
Technologies contexts	**Representation of data**
Engineering principles and systems Food and fibre production Food specialisations Materials and technologies specialisations	

Strand

Processes and production skills	
	Collecting, managing and analysing data
Creating designed solutions by:	**Creating digital solutions by:**
• investigating and defining • generating and designing • producing and implementing • evaluating • collaborating and managing	• investigating and defining • generating and designing • producing and implementing • evaluating • collaborating and managing

Achievement standards

Achievement standards for each learning area or subject describe the learning expected of students at each year level or band of years. In Technologies, the first paragraph of the achievement standard relates to understanding and the second paragraph relates to skills. In P–10, this learning area provides a subject-specific achievement standard for each band. In P–8, this learning area provides a choice between two achievement standards for each band. One achievement standard is subject-specific and the other is for the learning area.

Find out more on the QCAA Australian Curriculum web page at https://www.qcaa.qld.edu.au/p-10/aciq

Rationale summary

Technologies develop the capacity for action to create innovative solutions that improve the lives of people and societies globally, using traditional, contemporary and emerging technologies, to meet current and future needs.

Aims summary

Technology aids students to be confident and responsible when individually and collaboratively creating solutions, by making informed and ethical decisions when investigating, designing, planning, managing and evaluating for a sustainable economy, environment and society.

Banded curriculum

Band description

Identifies knowledge, understanding and skills specific to each subject for each band.

Primary

P–2

3–4

5–6

Secondary

7–8

9–10