

Years 3–4 band Design and Technologies

Australian Curriculum Version 9.0: Achievement standard aligned to content descriptions

This resource shows alignment between aspects of the achievement standard and relevant content descriptions for Years 3–4 band. A similar resource is available for Prep/other bands.

The Australian Curriculum (AC) v9.0 code for each content description includes an element indicating the strand it is organised by, e.g. AC9TDE4K01 indicates Knowledge and understanding strand.

Key to content description codes: Design and Technologies	
e.g. AC9TDE4K01	Strands:
Australian Curriculum (AC)	• K — Knowledge and understanding
Version 9 (9)	• P — Processes and production skills
Technologies Learning area (T)	
Design and Technologies (DE)	
Years 3–4 band (4)	
Strand (K, P)	
Content description number (##)	

Years 3–4 band Australian Curriculum: Design and Technologies achievement standard

By the end of Year 4 students describe how people design products, services and environments to meet the needs of people, including sustainability. For each of the 2 prescribed technologies contexts they describe the features and uses of technologies and create designed solutions. Students select design ideas against design criteria. They communicate design ideas using models and drawings including annotations and symbols. Students plan and sequence steps and use technologies and techniques to safely produce designed solutions.

Achievement standard aspect	Relevant content description/s	AC v9.0 code
By the end of Year 4	Students learn to:	
Students describe how people design products, services and environments to meet the needs of people, including sustainability.	<ul style="list-style-type: none"> examine design and technologies occupations and factors including sustainability that impact on the design of products, services and environments to meet community needs 	AC9TDE4K01
For each of the 2 prescribed technologies contexts they describe the features and uses of technologies and create designed solutions.	<ul style="list-style-type: none"> describe how forces and the properties of materials affect function in a product or system 	AC9TDE4K02
	<ul style="list-style-type: none"> describe the ways of producing food and fibre 	AC9TDE4K03
	<ul style="list-style-type: none"> describe the ways food can be selected and prepared for healthy eating 	AC9TDE4K04
	<ul style="list-style-type: none"> explore needs or opportunities for designing, and test materials, components, tools, equipment and processes needed to create designed solutions 	AC9TDE4P01
They select design ideas against design criteria.	<ul style="list-style-type: none"> use given or co-developed design criteria including sustainability to evaluate design ideas and solutions 	AC9TDE4P04
They communicate design ideas using models and drawings including annotations and symbols.	<ul style="list-style-type: none"> generate and communicate design ideas and decisions using appropriate attributions, technical terms and graphical representation techniques, including using digital tools 	AC9TDE4P02
They plan and sequence steps and use technologies and techniques to safely produce designed solutions.	<ul style="list-style-type: none"> select and use materials, components, tools, equipment and techniques to safely make designed solutions 	AC9TDE4P03
	<ul style="list-style-type: none"> sequence steps to individually and collaboratively make designed solutions. 	AC9TDE4P05

More information

If you would like more information, please visit the QCAA website www.qcaa.qld.edu.au. Alternatively, email the K–10 Curriculum and Assessment branch at australiancurriculum@qcaa.qld.edu.au.

 © State of Queensland (QCAA) 2023

Licence: <https://creativecommons.org/licenses/by/4.0> | **Copyright notice:** www.qcaa.qld.edu.au/copyright — lists the full terms and conditions, which specify certain exceptions to the licence. | **Attribution** (include the link): © State of Queensland (QCAA) 2023 www.qcaa.qld.edu.au/copyright.

Unless otherwise indicated, material from Australian Curriculum is © ACARA 2010–present, licensed under [CC BY 4.0](https://creativecommons.org/licenses/by/4.0). For the latest information and additional terms of use, please check the [Australian Curriculum website](http://www.australiancurriculum.edu.au) and its [copyright notice](http://www.qcaa.qld.edu.au/copyright).