Years 3–4 band: Design and Technologies

Key	same/refined	removed	new	moved

Note:
- the key applies to the content descriptions only
- v8.4 content descriptions may have been reordered to align with v9.0 content descriptions.

Version 8.4	Version 9.0
Achievement standard	**Achievement standard**
By the end of Year 4, students explain how products, services and environments are designed to best meet needs of communities and their environments. They describe contributions of people in design and technologies occupations. Students describe how the features of technologies can be used to produce designed solutions for each of the prescribed technologies contexts. Students create designed solutions for each of the prescribed technologies contexts. They explain needs or opportunities and evaluate ideas and designed solutions against identified criteria for success, including environmental sustainability considerations. They develop and expand design ideas and communicate these using models and drawings including annotations and symbols. Students plan and sequence major steps in design and production. They identify appropriate technologies and techniques and demonstrate safe work practices when producing designed solutions.	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.

Strands	Sub-strands	Content descriptions	Content descriptions	Sub-strands	Strands
Knowledge and understanding	Technologies and society	recognise the role of people in design and technologies occupations and explore factors, including sustainability that impact on the design of products, services and environments to meet community needs ACTDEK010	examine design and technologies occupations and factors including sustainability that impact on the design of products, services and environments to meet community needs AC9TDE4K01	Technologies and society	Knowledge and understanding
	Engineering principles and systems	investigate how forces and the properties of materials affect the behaviour of a product or system ACTDEK011	describe how forces and the properties of materials affect function in a product or system AC9TDE4K02	Engineering principles and systems; Materials and technologies specialisations	
	Materials and technologies specialisations	investigate the suitability of materials, systems, components, tools and equipment for a range of purposes ACTDEK013			
	Food and fibre production; Food specialisations	investigate food and fibre production and food technologies used in modern and traditional societies ACTDEK012	describe the ways of producing food and fibre AC9TDE4K03	Food and fibre production; Food specialisations	
			describe the ways food can be selected and prepared for healthy eating AC9TDE4K04		
Processes and production skills	Investigating and defining	critique needs or opportunities for designing and explore and test a variety of materials, components, tools and equipment and the techniques needed to produce designed solutions ACTDEP014	explore needs or opportunities for designing, and test materials, components, tools, equipment and processes needed to create designed solutions AC9TDE4P01	Investigating and defining	Processes and production skills
	Generating and designing	generate, develop, and communicate design ideas and decisions using appropriate technical terms and graphical representation techniques ACTDEP015	generate and communicate design ideas and decisions using appropriate attributions, technical terms and graphical representation techniques, including using digital tools AC9TDE4P02	Generating and designing	
	Producing and implementing	select and use materials, components, tools, equipment and techniques and use safe work practices to make designed solutions ACTDEP016	select and use materials, components, tools, equipment and techniques to safely make designed solutions AC9TDE4P03	Producing and implementing	
	Evaluating	evaluate design ideas, processes and solutions based on criteria for success developed with guidance and including care for the environment ACTDEP017	use given or co-developed design criteria including sustainability to evaluate design ideas and solutions AC9TDE4P04	Evaluating	
	Collaborating and managing	plan a sequence of production steps when making designed solutions individually and collaboratively ACTDEP018	sequence steps to individually and collaboratively make designed solutions AC9TDE4P05	Collaborating and managing	