## Comparison of AC v8.4 to v9.0



Years 7-8 band: Design and Technologies

Key	same/refined	removed	<u>new</u>	moved	
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## 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			
Students of influence of Students of based on a including students and make consuppropriate representation and use processive services and use services are processive services and use services are	and environments to an of design and tech explain how the feat design decisions for create designed solution of need designed solutions are technical terms are ation techniques. Stroject plans to manage tech designed to manage technical terms are	s explain factors that influence the design of products, meet present and future needs. They explain the innology innovations and enterprise to society. They explain the each of technologies impact on designed solutions and each of the prescribed technologies contexts.  It is a context of the prescribed technologies contexts each of opportunities. They develop criteria for success, erations, and use these to judge the suitability of their and processes. They create and adapt design ideas, and communicate to different audiences using and a range of technologies and graphical sudents apply project management skills to document age production processes. They independently and need solutions for the intended purpose.	By the end of Year 8 students explain how people design, innovate and produce products, services and environments for preferred futures. For each of the 4 prescribed technologies contexts they explain how the features of technologies impact on design decisions, and create designed solutions based on analysis of needs or opportunities. Students create and adapt design ideas, processes and solutions, and justify their decisions against developed design criteria that include sustainability. They communicate design ideas and solutions to audiences using technical terms and graphical representation techniques, including using digital tools. They independently and collaboratively document and manage production processes to safely produce designed solutions.			
Strands	Sub-strands	Content descriptions	Content descriptions	Sub-strands	Strands	
Knowledge and understanding	Technologies and society	investigate the ways in which products, services and environments evolve locally, regionally and globally and how competing factors including social, ethical and sustainability considerations are prioritised in the development of technologies and designed solutions for preferred futures ACTDEK029	analyse how people in design and technologies occupations consider ethical and sustainability factors to design and produce products, services and environments AC9TDE8K01	Technologies and society	Knowledge and understanding	
			analyse the impact of innovation and the development of technologies on designed solutions for global preferred futures AC9TDE8K02			
	Engineering principles and systems	analyse how motion, force and energy are used to manipulate and control electromechanical systems when designing simple, engineered solutions ACTDEK031	analyse how force, motion and energy are used to manipulate and control engineered systems AC9TDE8K03	Engineering principles and systems		
	Food and fibre production	analyse how food and fibre are produced when designing managed environments and how these can become more sustainable ACTDEK032	analyse how food and fibre are produced in managed environments and how these can become sustainable AC9TDE8K04	Food and fibre production		
	Food specialisations	analyse how characteristics and properties of food determine preparation techniques and presentation when designing solutions for healthy eating ACTDEK033	analyse how properties of foods determine preparation and presentation techniques when designing solutions for healthy eating AC9TDE8K05	Food specialisations		
	Materials and technologies specialisations	analyse ways to produce designed solutions through selecting and combining characteristics and properties of materials, systems, components, tools and equipment ACTDEK034	analyse how characteristics and properties of materials, systems, components, tools and equipment can be combined to create designed solutions AC9TDE8K06	Materials and technologies specialisations		
Processes and production skills	Investigating and defining	critique needs or opportunities for designing and investigate, analyse and select from a range of materials, components, tools, equipment and processes to develop design ideas ACTDEP035	analyse needs or opportunities for designing, and investigate and select materials, components, tools, equipment and processes to create designed solutions AC9TDE8P01	Investigating and defining	Processes and production skills	
	Generating and designing	generate, develop, test and communicate design ideas, plans and processes for various audiences using appropriate technical terms and technologies including graphical representation techniques ACTDEP036	generate, test, iterate and communicate design ideas, processes and solutions using technical terms and graphical representation techniques, including using digital tools AC9TDE8P02	Generating and designing		
	Producing and implementing	select and justify choices of materials, components, tools, equipment and techniques to effectively and safely make designed solutions ACTDEP037	select, justify and use suitable materials, components, tools, equipment, skills and processes to safely make designed solutions AC9TDE8P03	Producing and implementing		
	Evaluating	independently develop criteria for success to evaluate design ideas, processes and solutions and their sustainability ACTDEP038	develop design criteria collaboratively including sustainability to evaluate design ideas, processes and solutions AC9TDE8P04	Evaluating		
	Collaborating and managing	use project management processes when working individually and collaboratively to coordinate production of designed solutions ACTDEP039	develop project plans to individually and collaboratively manage time, cost and production of designed solutions AC9TDE8P05	Collaborating and managing		

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