

NCEA Achievement Standards

Digital Technologies & Hangarau Matihiko

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Computational Thinking (CT)

Designing and Developing Digital Outcomes (DDDO)

3	3.1 (AS91900) Conduct a critical inquiry to propose a digital technologies outcome (6)	3.5 (AS91904) Use complex techniques to develop an electronics outcome (6)	
	3.2 (AS91901) Apply user experience methodologies to develop a design for a digital technologies outcome (3)	3.6 (AS91905) Use complex techniques to develop a network (4)	3.9 (AS91908) Analyse an area of computer science (3) (External)
	3.3 (AS91902) Use complex techniques to develop a database (4)	3.7 (AS91906) Use complex programming techniques to develop a computer program (6)	3.10 (AS91909) Present a reflective analysis of developing a digital outcome (3) (External)
	3.4 (AS91903) Use complex techniques to develop a digital media outcome (4)	3.8 (AS91907) Use complex processes to develop a digital technologies outcome (6)	
2	2.1 (AS91890) Conduct an inquiry to propose a digital technologies outcome (6)	2.5 (AS91894) Use advanced techniques to develop an electronics outcome (6)	2.9 (AS91898) Demonstrate understanding of a computer science concept (3) (External)
	2.2 (AS91891) Apply conventions to develop a design for a digital technologies outcome (3)	2.6 (AS91895) Use advanced techniques to develop a network (4)	
	2.3 (AS91892) Use advanced techniques to develop a database (4)	2.7 (AS91896) Use advanced programming techniques to develop a computer program (6)	2.10 (AS91899) Present a summary of developing a digital outcome (3) (External)
	2.4 (AS91893) Use advanced techniques to develop a digital media outcome (4)	2.8 (AS91897) Use advanced processes to develop a digital technologies outcome (6)	
1	1.1 (AS91877) Develop a proposal for a digital outcome (3)	1.6 (AS91882) Develop a computer system (4)	
	1.2 (AS91878) Develop a design for a digital outcome (3)	1.7 (AS91883) Develop a computer program (4)	1.10 (AS91886) Demonstrate understanding of human computer interaction (3) (External)
	1.3 (AS91879) Develop an outcome to manage data (4)	1.8 (AS91884) Use basic iterative processes to develop a digital outcome (6)	1.11 (AS91887) Demonstrate understanding of compression coding for a chosen media type (3) (External)
	1.4 (AS91880) Develop a digital media outcome (4)	1.9 (AS91885) Demonstrate understanding of searching and sorting algorithms (3)	
	1.5 (AS91881) Develop an electronics outcome (6)		