

NCEA Achievement Standards

Digital Technologies & Hangarau Matihiko

Digital Technologies & Hangarau Matihiko			Hangarau Matihiko	
Computational Thinking (CT) Designing and Developing Digital Outcomes (DDDO)			Te Tangata me te Rorohiko Ngā Ariā o Ngā Whanaketanga Hangarau Matihiko Arareo Māori	
3	3.1 Conduct a critical enquiry to propose a digital technologies outcome (6)	3.5 Use complex techniques to develop an electronics outcome (6)	3.11 Te whakahāngai i te reo o te hangarau matihiko (3) (Ext) 3.12 Te tātari i ngā tikanga o te kiriraraunga matihiko Māori (4)	
	3.2 Apply user experience methodologies to develop a design for a digital technologies outcome (3)	3.6 Use complex techniques to develop a network (4)		3.9 Analyse an area of computer science (3) (External)
	3.3 Use complex techniques to develop a database (4)	3.7 Develop a computer program, using complex programming techniques (4)		3.10 Present a reflective analysis of developing a digital outcome (3) (External)
	3.4 Use complex techniques to develop a digital media outcome (4)	3.8 Use complex processes to plan and develop a digital technologies outcome (6)		
2	2.1 Conduct an inquiry to propose a digital technologies outcome (6)	2.5 Use advanced techniques to develop an electronics outcome (6)	2.11 Te whakaatu mōhiotanga ki te reo motuhake o te hangarau matihiko (3) 2.12 Te whakamārama i te pānga o te kiriraraunga matihiko Māori ki tētahi otinga hangarau matihiko (4)	
	2.2 Apply conventions to develop a design for a digital technologies outcome (3)	2.6 Use advanced techniques to develop a network (4)		2.9 Demonstrate understanding of a key aspect of a computer science concept (3) (External)
	2.3 Use advanced techniques to develop a database (4)	2.7 Develop a computer program, using advanced programming techniques (6)		2.10 Present a summary of developing a digital outcome (3) (External)
	2.4 Use advanced techniques to develop a digital media outcome (4)	2.8 Use advanced iterative processes to plan and develop a digital technologies outcome (6)		
1	1.1 Develop a proposal for a digital outcome (3)	1.6 Develop a computer system (4)	1.12 Te whakaatu mōhiotanga ki te reo hangarau matihiko (3) 1.13 Te whakaahua i te pānga o tētahi otinga hangarau matihiko ki te ao Māori. (4)	
	1.2 Develop a design for a digital outcome (3)			
	1.3 Develop an outcome to manage data (4)	1.7 Develop a computer program (4)		1.10 Demonstrate understanding of human computer interaction (3) (External)
	1.4 Develop a digital media outcome (4)	1.8 Use basic iterative processes to plan and develop a digital outcome (6)		1.11 Demonstrate understanding of compression coding for a chosen media type (3 External)
	1.5 Develop an electronics outcome (6)	1.9 Demonstrate understanding of searching and sorting algorithms (3)		