

NCEA possible links with 123Tech Challenge

The table below shows possible links to the NCEA achievement standards for each week and level of the challenge. The possible credits for each achievement standard are provided in brackets at the end of the achievement standard title.

Each achievement standard number below is hyperlinked to the appropriate resource on the NZQA website.

Note the below timeline indicates the recommended minimum time spent on each task and doesn't include the full 12 weeks (or 16 weeks for Snr Secondary Solo students) that the challenge is available to your students for.

		Week 1	Week 2	Week 3	Week 4	Week 5-8	Week 9-10	
123 Tech project weeks ➔		Preparation	Exploration	Conception, Analysis and Proposal	Creating the specifications for your solution	Development and Testing	Evaluation and Reporting	
		DT&HM		English		Genertic Tech*		
Curriculum area	Level 1	AS91877: Develop a proposal for a digital outcome (3)		AS91878: Develop a design for a digital outcome (3)		AS91881: Develop an electronics outcome (6)**		
		AS91884: Use basic iterative processes to develop a digital outcome (6)						
		AS91891: Apply conventions to develop a design for a digital technologies outcome (3)						
	Level 2	AS91893: Use advanced techniques to develop a digital media outcome (4)**						
		AS91897: Use advanced processes to develop a digital technologies outcome (6)						
		AS91890: Conduct an inquiry to propose a digital technologies outcome (6)						
	Level 3	AS91900: Conduct a critical inquiry to propose a digital technologies outcome (6)						
		AS91902: Use complex techniques to develop a database (4)						
		AS91903: Use complex techniques to develop a digital media outcome (4)**						
AS91907: Use complex processes to develop a digital technologies outcome (3)								
Level 1	AS90053: Produce formal writing (3)							
	AS90857: Construct and deliver an oral text (3)							
	AS91101: Produce a selection of crafted and controlled writing (6)							
	AS91103: Create a crafted and controlled visual and verbal text (3)							
	AS91475: Produce a selection of fluent and coherent writing which develops, sustains, and structures ideas (6)							
Level 2	AS91476: Create and deliver a fluent and coherent oral text which develops, sustains, and structures ideas (3)							
	AS91044: Undertake brief development to address a need or opportunity (4)		AS91046: Use design ideas to produce a conceptual design for an outcome to address a brief (6)		AS91045: Use planning tools to guide the technological development of an outcome to address a brief (4)		AS91047: Undertake development to make a prototype to address a brief (6)	
Level 3	AS91608: Undertake brief development to address an issue within a determined context (4)		AS91615: Demonstrate understanding of consequences, responsibilities and challenges involved in technology (4)		AS91610: Develop a conceptual design considering fitness for purpose in the broadest sense (6)		AS91609: Undertake project management to support technological practice (4)	
			AS91354: Undertake brief development to address an issue (4)		AS91355: Select and use planning tools to manage the development of an outcome (4)		AS91357: Undertake effective development to make and trial a prototype (6)	
				AS91047: Undertake development to make a prototype to address a brief (6)				

* Limited viability?

** Could depend on the student's final outcome