

# Digital Technology Level 2 Course Outline

## Description

The Digital Technology at NCEA Level 2 focuses on extending the knowledge and skills that students developed in Level 1 by exploring and developing media solutions that incorporate a range of advanced digital technologies. Students learn and apply a range of advanced programming techniques to design and build solutions using high level programming languages and discover computer science topics.

Each skill set will be introduced with examples and supporting materials, following by mini projects for students to complete during class time. The class learning activities and the prescribed mini projects reiterate skills several times to help students build fluency and depth of understanding.

The practice assessment scheduled before each NCEA Achievement Standard begins, provides the students an opportunity to consolidate the skills delivered in class and to familiarize with the assessment requirements. Students are encouraged to work collaboratively and to seek assistance as much as needed to gain the widest possible exposure to the potential solutions space. Practice assessments are not submissions for NCEA.

During the NCEA assessment period, formative checkpoint opportunities will be offered to students to gain feedforward comments and suggestions before the summative submissions. For the External Achievement Standard, the finale date on sitting External assessment will be communicated by NZQA during Term 1.

## Assessment Summary

Achievement Standards Number	Subject Reference	Version Number	Topic/Title	Mode of Assessment	Credits
AS91891	2.2	1	Apply conventions to develop a design for a digital technologies outcome	Internal	3
AS91893	2.4	1	Use advanced techniques to develop a digital media outcome	Internal	4
AS91896	2.7	1	Use advanced programming techniques to develop a computer program	Internal	6
AS91898	2.9	1	Demonstrate understanding of a computer science concept	External	3



# Level 2 - Digital Technology Course Calendar 2022

Term 1	
Wk	Content
1	Welcome & Course Introduction
2	HTML & CSS
3	HTML & CSS
4	HTML & CSS
5	HTML & CSS
6	HTML & CSS
7	AS91891 Design
8	AS91891 Design
9	AS91891 Design
10	AS91891 Design Due

Term 2	
Wk	Content
1	AS91893 Media
2	AS91893 Media
3	AS91893 Media
4	AS91893 Media
5	AS91893 Media Due
6	JavaScript & Svelte
7	JavaScript & Svelte
8	JavaScript & Svelte
9	JavaScript & Svelte
10	Mini Project

Term 3	
Wk	Content
1	Mini Project
2	Mini Project
3	AS91896 Programming
4	AS91896 Programming
5	AS91896 Programming
6	AS91896 Programming
7	AS91896 Programming
8	AS91896 Programming Due
9	AS91899 External
10	AS91899 External

Term 4	
Wk	Content
1	AS91899 DACT
2	Student Lead Project
3	Project Delivery & Presentation
4	NCEA Exams