

# Digital Technology Level 1 Course Outline

## Description

Digital Technology at NCEA Level 1 focuses on providing the foundation level of understanding to some of the key skill sets that enable students to design and create a range of authentic digital solutions suitable for end users. With an emphasis on problem solving and creativity, students will build website development skills, computer programming skills, and develop the ability to analyse and critique design elements of existing digital solutions.

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 building 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
AS91878	1.2	1	Develop a design for a digital outcome	Internal	3
AS91880	1.4	1	Develop a digital media outcome	Internal	4
AS91883	1.7	1	Develop a computer program	Internal	4
AS91886	1.10	1	Demonstrate understanding of human computer interaction	External	3

# Level 1 - Digital Technology Course Calendar 2022

Term 1	
Wk	Content
1	Welcome & Course Introduction
2	HTML & CSS
3	HTML & CSS
4	Project 1 - Complex Tools
5	Project 2 - Relevant Implications
6	Project 3 - Design Principles
7	AS91878 Design
8	AS91878 Design
9	AS91878 Design
10	AS91878 Design Due

Term 2	
Wk	Content
1	AS91880 Media
2	AS91880 Media
3	AS91880 Media
4	AS91880 Media Due
5	JavaScript
6	JavaScript
7	Project 1 - Guessing Number Game
8	Project 1 - Guessing Number Game
9	Project 2 - Team Selection
10	Project 2 - Team Selection

Term 3	
Wk	Content
1	Project 3 - Dice Game
2	Project 3 - Dice Game
3	AS91883 Programming
4	AS91883 Programming
5	AS91883 Programming
6	AS91883 Programming Due
7	AS91886 HCI
8	AS91886 HCI
9	AS91886 HCI
10	AS91886 HCI

Term 4	
Wk	Content
1	AS91886 DCAT
2	Student Lead Project
3	Project Deliver & Presentation
4	NCEA Exams