AOTEA COLLEGE

NCEA Course Outline 2025

Course title:	**Digital Technologies Environment**
NCEA level(s):	**1**
Course Code:	**DTE100**

Goals

- Overview of digital technologies and introduction to the idea of their impact.
- Introduction to Web Design. Overview and history of the internet and web design.
- Review examples of web development and the purposes and audiences of different types of websites.
- Building on the learning earlier in the year, students will follow a technological process to develop their website.
- Learn about user human-computer interfaces and explore examples of good and bad ones and what makes them that way.
- Using the Python platform students will learn a range of programming concepts.

Assessment

- NCEA Level 1 internal assessments: DT 1.2 (AS92005), DT1.1 (AS92004)
- NCEA Level external examination November: DT 1.4 (AS92007), DT 1.3 (AS92006)

Course Endorsement

Course endorsement with **Achieved, Merit or Excellence** is possible.

Learning Partnerships

This course includes the college's partnership with an external institution

Assessment summary

NZQF Standard Code	Level	Standard Title	**Credits**	Is this a Literacy standard? **(Yes or No)**	Is this a Numeracy standard? **(Yes or No)**	UE Literacy Reading **(Yes or No)**	Assessment type **(External or Internal)**	Is reassessment available? (Yes or No)
AS92007 DT1.4 v4	1	Design a Digital Technologies outcome	5	No	No	No	External	No
AS92005 DT1.2 v3	1	Developing a Digital Technologies outcome	5	No	No	No	Internal	No
AS92004 DT1.1 v2	1	Creating a computer program	5	No	No	No	Internal	No
AS92006 DT1.3 v2	1	Demonstrate understanding of usability in human computer interfaces	5	No	No	No	External	No

Topic outline (in teaching order)

Topic	NZQF Standard Code	Content	Teaching Time
Designing a Website	AS92007 DT1.4	Students will design a Digital Technologies outcome in the form of a web site.	7 weeks
Creating a Website	AS92005 DT1.2	Students will use appropriate tools and techniques to develop a web site.	9 weeks
Programming	AS92004 DT1.1	Students will create, test, and debug a computer program, using Python programming language.	9 weeks
Human - computer interaction	AS92006 DT1.3	Students will utilize their understanding of usability principles or mātāpono Māori to assess the usability of human-computer interfaces.	7 weeks

Internal Assessment Timeline 2025

	Term 1 **04 Feb - 11 Apr**	**Term 2** **28 Apr - 327 Jun**	**Term 3** **14 Jul - 19 Sept**	**Term 4** **06 Oct - 11 Dec**
Week 1	Mon 27 Jan ***Course Confirmation Week***	Mon 28 Apr	Mon 14 Jul	Mon 06 Oct
Week 2	Mon 03 Feb ***Year 9 Powhiri 04/02*** ***Whole school 5/02*** ***Waitangi observed 06/02*** ***Start AS92007***	Mon 05 May	Mon 21 Jul	Mon 13 Oct
Week 3	Mon 10 Feb	Mon 12 May	Mon 28 Jul	Mon 20 Oct
Week 4	Mon 17 Feb	Mon 19 May	Mon 4 Aug	Mon 27 Oct ***Labour day 27/10*** ***Seniors Last Day 29/10***
Week 5	Mon 24 Feb	Mon 26 May	Mon 11 Aug	Mon 03 Nov *NCEA Exams Begin 04/11*
Week 6	Mon 03 Mar	Mon 02 Jun **Mon 02/06 King's Birthday**	Mon 18 Aug ***Course Selection Day***	Mon 10 Nov
Week 7	Mon 10 Mar	Mon 9 Jun ***Hand in AS92005 Develop a Dig Tech Outcome***	Mon 25 Aug ***Winter Tournament Week*** ***TOD - TBC*** ***Hand in AS92004 - Create a Computer Program***	Mon 17 Nov
Week 8	Mon 17 Mar ***Goal Setting afternoons Tues, Wed, Thurs - TBC***	Mon 16 Jun **Fri 20/06 Matariki** ***Start AS92004 - Create a Computer Program***	Mon 01 Sep ***Exam Preparation for AS92006*** ***Usability in Human Computer Interfaces***	Mon 24 Nov ***NCEA Exams Finish 28 Nov***
Week 9	Mon 24 Mar ***Summer Tournament Week*** ***TOD 28/03 - TBC*** ***AS92007 Design a Dig Tech Outcome - Completed Portfolio***	Mon 23 Jun	Mon 08 Sep **Derived Grade Exams**	Mon 01 Dec
Week 10	Mon Mar ***Start AS92005- Develop a Dig Tech Outcome***		Mon 15 Sep **Derived Grade Exams**	Mon 08 Dec *Last day for Juniors 11/12*

Week 11	Mon 07 Apr			