AOTEA COLLEGE

NCEA Course Outline 2025

Course title:	**Digital Technology Environments**
NCEA level(s):	**3**
Course Code:	**DTS300**
Prerequisites	**N/A**

Goals

- Students will continue develop knowledge in the fields of computer science
- Students will develop skills in the fields of digital media
- Advanced programming skills
- Awareness of social and ethical issues related to IT
- Develop independent lifelong learners who can work cooperatively and effectively with others.

Assessment

- NCEA Level 3 internal assessments: AS91902 (DT3.3) v2, AS91906 (DT3.7) v2, AS91907 (DT3.8) v2,
- School derived grade examinations: September
- NCEA Level 3 external examination November: AS91908 (DT3.9) v1

Appeal

Students have the right to appeal their internal assessment grade. First, talk to your teacher about the grade you got. If you still want to appeal after that, fill out the appeal form and send it to Whaea Rowan. You have seven days from when you get your grade to appeal. Students can't change anything in their assessment during those seven days—if you do, the original grade will stay the same.

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 StandardCode	NCEA 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 a further assessment opportunity available? (Yes or No)
AS91902 DT3.3 v2	3	Use complex techniques to develop a database	4	No	No	No	Internal	No
AS91906 DT3.7 v2	3	Use complex programming techniques to develop a computer program	6	No	No	No	Internal	No
AS91907 DT3.8 v2	3	Use complex processes to develop a digital technologies outcome	6	No	No	No	Internal	No
AS91908 DT3.9 v1	3	Analyse an area of computer science	3	No	No	No	External	No

Topic outline (in teaching order)

Topic	NZQF Standard Code	Content	Teaching Time
Database	AS91902 DT3.3 v2	Use complex techniques to develop a database: designing the structure of the data and creating a relational database for managing and presenting the data.	8 weeks
Programming	AS91906 DT3.7 v2	Constructing a complex computer programme using the Python platform.	8 weeks
Project Management	AS91907 DT3.8 v2	Effectively using information from testing and trialling to improve the functionality of the digital technologies outcome.	5 weeks
Computer Science Topic	AS91908 DT3.9 v1	Analysing an area in computer science: Big data, Complexity and Tractability, Network communication protocols.	5 weeks

Internal Assessment Timeline 2025

	Term 1 **04 Feb - 11 Apr**	**Term 2** **28 Apr - 27 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***	Mon 05 May	Mon 21 Jul	Mon 13 Oct
Week 3	Mon 10 Feb	Mon 12 May	Mon 28 Jul ***Complete/Submit Dig Tech Assessment***	Mon 20 Oct
Week 4	Mon 17 Feb	Mon 19 May	Mon 4 Aug ***Prepare for Derived Grade Exam (Area in CS)***	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 ***Complete/Submit Programming Assessment***	Mon 25 Aug ***Winter Tournament Week*** ***TOD - TBC***	Mon 17 Nov
Week 8	Mon 17 Mar ***Goal Setting afternoons Tues, Wed, Thurs - TBC***	Mon 16 Jun **Fri 20/06 Matariki**	Mon 01 Sep	Mon 24 Nov ***NCEA Exams Finish 28 Nov***
Week 9	Mon 24 Mar ***Summer Tournament Week*** ***TOD 28/03 - TBC***	Mon 23 Jun	Mon 08 Sep **Derived Grade Exams**	Mon 01 Dec
Week 10	Mon 31 Mar ***Complete/Submit Database Assessment***		Mon 15 Sep **Derived Grade Exams**	Mon 08 Dec *Last day for Juniors 11/12*

Week 11	Mon 07 Apr			