

## Digital Technology Level 3 Course Outline

### Description

The Digital Technology at NCEA Level 3 focuses on extending the knowledge and skills that students developed in Level 2 by allowing the students to investigate and pursue their own projects. Students are to explore and develop media solutions incorporating a range of complex digital technologies. Learn and apply a range of complex programming techniques to design and build solutions using high level programming languages. Explore industry practices and apply application-level skills to enhance developed solutions.

The investigation, design, development, and reflection are all assessed under NCEA. Students are guided throughout the year and have regular checkpoints to ensure they stay on track. The year-long project and the development documentation can also be submitted for NZQA Scholarship at the end of the year.

### Assessment Summary

| Achievement Standards Number | Subject Reference | Version Number | Topic/Title  | Mode of Assessment | Credits |
|------------------------------|-------------------|----------------|--|--------------------|---------|
| AS91900                      | 3.1               | 1              | Conduct a critical inquiry to propose a digital technologies outcome                       | Internal           | 6       |
| AS91901                      | 3.2               | 1              | Apply user experience methodologies to develop a design for a digital technologies outcome | Internal           | 3       |
| AS91903                      | 3.4               | 1              | Use complex techniques to develop a digital media outcome*                                 | Internal           | 4       |
| AS91906                      | 3.7               | 1              | Use complex programming techniques to develop a computer program*                          | Internal           | 6       |
| AS91909                      | 3.10              | 1              | Present a reflective analysis of developing a digital outcome                              | External           | 3       |

\*Students choose either one of these two Achievement Standards or both. Students have the opportunities to gain 16 or 18 credits for choosing one of these two or 22 credits or all.



# Level 3 - Digital Technology Course Calendar 2022

| Term 1 |                               |
|--------|-------------------------------|
| Wk     | Content                       |
| 1      | Welcome & Course Introduction |
| 2      | Inquiry                       |
| 3      | Inquiry                       |
| 4      | AS91900 Inquiry               |
| 5      | AS91900 Inquiry               |
| 6      | AS91900 Inquiry               |
| 7      | AS91900 Inquiry Due           |
| 8      | UX Design                     |
| 9      | AS91901 UX                    |
| 10     | AS91901 UX                    |

| Term 2 |                                       |
|--------|---------------------------------------|
| Wk     | Content                               |
| 1      | AS91901 UX Due                        |
| 2      | AS91903 & AS91906 Media & Programming |
| 3      | AS91903 & AS91906                     |
| 4      | AS91903 & AS91906                     |
| 5      | AS91903 & AS91906                     |
| 6      | AS91903 & AS91906                     |
| 7      | AS91903 & AS91906                     |
| 8      | AS91903 & AS91906                     |
| 9      | AS91903 & AS91906                     |
| 10     | AS91903 & AS91906                     |

| Term 3 |   |
|--------|---|
| Wk     | Content                                   |
| 1      | AS91903 & AS91906 Media & Programming     |
| 2      | AS91903 & AS91906                         |
| 3      | AS91903 & AS91906                         |
| 4      | AS91903 & AS91906                         |
| 5      | AS91903 & AS91906                         |
| 6      | AS91903 & AS91906 Media & Programming Due |
| 7      | AS91909 Project Reflection                |
| 8      | AS91909 Project Reflection                |
| 9      | Scholarship Project                       |
| 10     | Scholarship Project                       |

| Term 4 |                                 |
|--------|---------------------------------|
| Wk     | Content                         |
| 1      | AS91909 DCAT                    |
| 2      | Scholarship Projects Submission |
| 3      | Scholarship Projects Showcase   |
| 4      | NCEA Exams                      |