

AOTEA COLLEGE

Junior 10TDE Course Outline 2025



Course title:	High Tech
Year level(s):	Year 10
Course Code:	High Tech

Goals

- To develop an understanding of computer hardware, 3D modeling and animation basics, and programming principles.

Assessment

- Test and project based assessments

Topic and Assessment outline (in teaching order)

Topic	Content	Assessment Type	Teaching Time
Computer Hardware	Understanding of computer hardware and systems	Test	3 Weeks
Programming	Introduction to text based programming with Python	Project	6 Weeks
3D modeling	Creating and animating 3D models in Blender	Project	9 Weeks
Computer Hardware	Understanding of computer hardware and systems	Test	3 Weeks

Topic 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 <i>Course Confirmation Week</i>	Mon 28 Apr	Mon 14 Jul	Mon 06 Oct
Week 2	Mon 03 Feb <i>Year 9 Powhiri 04/02</i> <i>Whole school 5/02</i> <i>Waitangi observed 06/02</i>	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 <i>Labour day 27/10</i> <i>Seniors Last Day 29/10</i>
Week 5	Mon 24 Feb	Mon 26 May	Mon 11 Aug	Mon 03 Nov <i>NCEA Exams Begin 04/11</i>
Week 6	Mon 03 Mar	Mon 02 Jun <i>Mon 02/06 King's Birthday</i>	Mon 18 Aug <i>Course Selection Day</i>	Mon 10 Nov
Week 7	Mon 10 Mar	Mon 9 Jun	Mon 25 Aug <i>Winter Tournament Week</i> <i>TOD - TBC</i>	Mon 17 Nov
Week 8	Mon 17 Mar <i>Goal Setting afternoons Tues, Wed, Thurs - TBC</i>	Mon 16 Jun <i>Fri 20/06 Matariki</i>	Mon 01 Sep	Mon 24 Nov <i>NCEA Exams Finish 28 Nov</i>
Week 9	Mon 24 Mar <i>Summer Tournament Week</i> <i>TOD 28/03 - TBC</i>	Mon 23 Jun	Mon 08 Sep Derived Grade Exams	Mon 01 Dec
Week 10	Mon 31 Mar		Mon 15 Sep Derived Grade Exams	Mon 08 Dec <i>Last day for Juniors 11/12</i>
Week 11	Mon 07 Apr			