AOTEA COLLEGE

NCEA Course Outline 2025

Course title:	**Mathematics with Statistics**
NCEA level(s):	**2**
Course Code:	**MAS200**

Goals

- A continuing interest in mathematics focusing on Mathematics with intent on moving into Level 3 Calculus or Level 3 Statistics

- The ability to describe and analyse mathematics in the real world

- Equip students who wish to undertake further studies requiring mathematics with the relevant skills and knowledge

- Personal satisfaction for each student as they achieve to their highest potential

Assessment

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	UE Literacy Writing (Yes or No)	UE Literacy Reading (Yes or No)	Assessment type (External or Internal)	Teaching Time	Is reassessment available? (Yes or No)
Questionnaires	91263 v3	Design a Questionnaire	3	No	No	Internal	5 weeks	Y
Statistical Inference	91264 v3	Use statistical methods to make an inference	4	No	No	Internal	6 weeks	Y
Experiments	91265 v3	Conduct an experiment to investigate a situation using statistical methods	3	No	No	Internal	5 weeks	Y
Probability	91267 v3	Apply probability methods in solving problems	4	No	No	External	6 weeks	N
Simulation	91268 v3	Investigate a situation involving elements of chance using a simulation	2	No	No	Internal	5 weeks	Y

Topic outline (in teaching order)

Topic	NZQF Standard Code	Content	Teaching Time
Questionnaires	91263 v3	Design a Questionnaire	5 weeks
Experiments	91265 v3	Conduct an experiment to investigate a situation using statistical methods.	5 weeks
Inference	91264 v3	Use statistical methods to make an inference.	6 weeks
Simulation	91268 v3	Investigate a situation involving elements of chance using a simulation	5 weeks
Probability	91267 v3	Apply probability methods in solving problems.	6 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 **Inference**	Mon 14 Jul **Simulations**	Mon 06 Oct **Revision**
Week 2	Mon 03 Feb *Year 9 Powhiri 04/02* *Whole school 5/02* *Waitangi observed 06/02* **Questionnaire**	Mon 05 May **Inference**	Mon 21 Jul **Simulations**	Mon 13 Oct **Revision**
Week 3	Mon 10 Feb **Questionnaire**	Mon 12 May **Inference**	Mon 28 Jul **Probability**	Mon 20 Oct **Revision**
Week 4	Mon 17 Feb **Questionnaire**	Mon 19 May **Inference**	Mon 4 Aug **Probability**	Mon 27 Oct *Labour day 27/10* *Seniors Last Day 29/10* **Revision**
Week 5	Mon 24 Feb **Questionnaire**	Mon 26 May **Inference**	Mon 11 Aug **Probability**	Mon 03 Nov *NCEA Exams Begin 04/11*
Week 6	Mon 03 Mar **Questionnaire**	Mon 02 Jun **Mon 02/06 King's Birthday** **Inference**	Mon 18 Aug *Course Selection Day* **Probability**	Mon 10 Nov
Week 7	Mon 10 Mar **Experiments**	Mon 9 Jun **Simulations**	Mon 25 Aug *Winter Tournament Week* *TOD - TBC* **Probability**	Mon 17 Nov
Week 8	Mon 17 Mar *Goal Setting afternoons Tues, Wed, Thurs - TBC* **Experiments**	Mon 16 Jun **Fri 20/06 Matariki** **Simulations**	Mon 01 Sep **Probability**	Mon 24 Nov *NCEA Exams Finish 28 Nov*

Week 9	Mon 24 Mar ***Summer Tournament Week*** ***TOD 28/03 - TBC*** **Experiments**	Mon 23 Jun **Simulations**	Mon 08 Sep **Derived Grade Exams**	Mon 01 Dec
Week 10	Mon 31 Mar **Experiments**		Mon 15 Sep **Derived Grade Exams**	Mon 08 Dec *Last day for Juniors 11/12*
Week 11	Mon 07 Apr **Experiments**			