

Mathematics

Staff in the Mathematics Learning Area:

Mr G Wright (Head of Learning Area)

Mr J Gemmell
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LEARNING PATHWAY

YEAR 9

Mathematics

This is a compulsory core subject in Year 9. It covers Number/Algebra, Measurement/Geometry and Statistics and incorporates the key competencies across all strands at NZC Level 3 and 4.

Students are assessed when they arrive and are taught at an appropriate level for them.

Extension Mathematics

Our Extension Programme covers all areas of Mathematics in the NZ Curriculum Level 5 and some topics necessary to prepare students for further Cambridge Exams.

It is expected that all Year 9 Extension students enter into the Australian Maths Competition.

YEAR 10

Mathematics

This is a compulsory core subject in Year 10. It covers the Number/Algebra, Measurement/Geometry and Statistics and incorporates the key competencies across all the strands at NZC Level 4 and 5.

Extension Mathematics - NCEA Level 1

This course delivers 8 NCEA Level 1 Achievement Standards: This should prepare students to do the NCEA Level 1 Extension Mathematics course in Year 11.

Cambridge Mathematics - IGCSE Core and NCEA Level 1 Achievement Standards

Students in this course follow the NCEA Level 1 Year 11 Extension Mathematics programme set at NZC Level 6. This course delivers 6 NCEA Level 1 Achievement Standards for a total of 23 Credits. This should prepare students to sit the NCEA Level 1 exams and the IGCSE Core Assessment Standard (0580/1 and 0580/3) exams in November.

YEAR 11

MATR - NCEA Level 1

This course offers an alternative pathway to the NCEA Level 1 Credits using Unit Standards. It revisits the basic concepts in mathematics and uses them in real life situations. This course does not lead directly to NCEA Level 2. Students can move on to 11 MATH programme in a 12 MATR class.

Mathematics – NCEA Level 1

This course delivers 8 NCEA Level 1 Achievement Standards: This course is for students who are intending on doing Statistics only in Year 13.

Extension Mathematics - NCEA Level 1

This course delivers 6 NCEA Level 1 Achievement Standards for a total of 23 Credits.

Cambridge Mathematics - IGCSE Extended and NCEA Level 1

Students in this course follow the Cambridge IGCSE Syllabus. They will sit the IGCSE Examination and also be able to improve on their NCEA Level 1 results if they wish. This course delivers 6 NCEA Level 1 Achievement Standards for a total of 23 Credits.

YEAR 12

MATR – NCEA Level 1

This course delivers 6 NCEA Level 1 Achievement Standards for a total of 23 Credits. This course is for students who are intending on doing NCEA Level 2 Year 13.

Mathematics - NCEA Level 2

This course offers eight NCEA Level 2 Achievement Standards.

Cambridge Mathematics - Cambridge AS and NCEA Level 2

A complete study of Pure Mathematics and Statistics. There will be an opportunity to prepare for nine NCEA Level 2 Achievement Standards

YEAR 13

Mathematics With Calculus - NCEA Level 3

This course offers Achievement Standards at Level 3 and is for those students intending to go on to professional studies at University.

Mathematics With Statistics And Modelling - NCEA Level 3

This course offers Achievement Standards at Level 3 and is for those students intending to go on to University study.

Cambridge Mathematics - Cambridge A2 and NCEA Level 3

This course offers rigorous study of advanced mathematics and is for those students intending to continue with mathematical study at University. There will be an opportunity to sit 5 Achievement Standards offered in the Year 13 Calculus course.