



Otumoetai College

Mathematics Department

Year 10 Mathematics Advanced Learners Programme 2018

At Otumoetai College all students in years 9 – 11 are required to study Mathematics and nearly all students in year 12 also study Mathematics.

Resources

The homework book is broken into several booklets, each one relating to a standard that the students are sitting. The TOTAL cost of these booklets is \$35. These booklets will be ordered at the start of the year and given to you when each standard is taught. You will be requested to purchase a set of these **ESA Learning Workbooks** through the school office and classroom.

Assessment

Internal assessment

Throughout the year you will complete the following NCEA Level One and Two internally assessed Standards. These standards carry credits that can be gained and used towards Level 1 and 2 NCEA. These grades will be stored on the school's student management system and logged with NZQA early next year. More information will be given on this later in the year.

Note that there will be no further assessment opportunities for internally assessed Achievement Standards.

Standard	Topic	NCEA Level	Credit Value	Type of Assessment
AS 91032	Apply right-angled triangles in solving measurement problems	1	3	Internal
AS 91026	Apply numeric reasoning in solving problems	1	4	Internal
AS 91027	Apply algebraic procedures in solving problems	1	4	Formative (CAT)
AS 91028	Investigate relationships between tables, equations and graphs	1	4	Formative
AS 91264	Use statistical methods to make an inference	2	4	Internal
AS 91031	Apply geometric reasoning in solving problems	1	4	Formative

External assessment

It is school policy that Year 10 students do not sit externally-assessed exams until Year 11. 10MATH AL students will have the opportunity to gain credits in AS91027, AS91028 and AS91031 in 2018 should they choose to.

Assessment will be completed at the end of each unit. Your assessment grade will be given using the following descriptors.

N	=	Not Achieved
A	=	Achievement
M	=	Achievement with Merit
E	=	Achievement with Excellence.

Note that at the end of the year, 10MATH AL students will sit a different two hour Mathematics examination than other Year 10 students. This will cover practice towards AS 91027 Algebra and AS 91028 Graphing. This examination result, along with performance throughout the year, will determine suitability to move on to NCEA Level 2 Mathematics and will be used to place students in a class next year.

Appeals

If a student is not satisfied with a particular assessment result, the student must discuss it with the class teacher within 24 hours of the assessment being handed back. The assessment does not leave the classroom.

Students not satisfied with the discussion should approach the Head of the Mathematics Department (Mr Ellwood) as soon as possible, provided the assessment does not leave the room and is handed on to Mr Ellwood by the classroom teacher.

Teachers and the Mathematics Department have the responsibility to help students achieve to their full potential.

Students have the responsibility to complete all set work to the best of their ability, to be in class on time, to meet all deadlines and to act and behave in a responsible manner so that they can achieve to their potential. Student behaviour in the class should not impact negatively on the other people in the classroom.

In the year 2019

The majority of students from this class will be looking at continuing on to NCEA Level 2 Mathematics by being invited to complete the L2MATH AL course. Some students may opt to instead complete the L1MATH course, which offers another attempt at credits in level 1 Achievement Standards.

Good Luck for 2018,



**J. Ellwood
HOD Mathematics
February 2018**