



# Otumoetai College

## Mathematics Department

### NCEA Level 2 Advanced Learners' Mathematics 2019 (L2MAAL)

To the students:

This course is intended for those advanced learner students who intend taking either NCEA Level 3 Calculus or NCEA Level 3 Statistics and Probability in Year 12.

#### Resources

You will be requested to purchase a set of **ESA workbooks** through the school office and classroom. These are Write-On homework books, one for each standard assessed.

You will be expected to have a Graphics Calculator (Casio FX 9750GII or similar) for this course. Note that NZQA has a list on its website of approved calculators for use in external examinations.

#### Assessment

At the beginning of each unit you will be informed as to the form of assessment for the unit. Students can gain a total of 18 credits toward NCEA level 2 and 4 credits towards NCEA level 1.

<b>Achievement Standard</b>	<b>Topic</b>	<b>Credit Value</b>	<b>Type of Assessment</b>
<b>AS 91261</b>	Applying Algebraic Methods in Solving Problems	4	External
<b>AS 91257</b>	Apply Graphical Models in Solving Problems	4	<b>Internal</b>
<b>AS 91259</b>	Apply trigonometric relationships in solving problems	3	<b>Internal</b>
<b>AS 91262</b>	Apply Calculus Methods in Solving Problems.	5	External
<b>AS 91269</b>	Apply Systems of Equations in Solving Problems	2	External
<b>AS 91027 (Level 1)</b>	Apply Algebraic Procedures in Solving Problems (Level 1)	4	External (MCAT)

The MCAT is a national Common Achievement Task set by NZQA but sat during school time.

#### Externally Assessed Standards

The New Zealand Qualification Authority sets the examination papers. What you do on the day of the examination will determine the level of achievement you will be awarded in each of the externally assessed Achievement Standards.

Students in L2MAALA may choose to sit Level 1 External Assessments in Mathematics in addition to the standards mentioned above. They should discuss this with their class teacher and will need to be entered into those standards in Term 3.

#### Internally Assessed Standards

The College is responsible for conducting these assessments. There will be no further assessment opportunities of internal assessed Achievement Standards.

### **CAT Standards**

The Level 1 Algebra standard is a Common Assessment Task (CAT) set by the New Zealand Qualification Authority. The date is set by NZQA and occurs in Term 3 on Tuesday, 17 September.

### **College Examinations**

The Term 3 College examination weeks are compulsory to attend.

### **Recording marks**

Your teacher will keep **ALL** assessed work for the internal Standards.

At some time during the year you will be asked to confirm and sign that the data entry on the College database is an accurate record of your results throughout the year.

### **Moderation between Classes**

Assessments are common to all classes and have a common marking schedule.

Inter-class moderation is achieved by check marking across the classes.

Samples of student work will be sent to NZQA to compare with student work from other secondary schools to ensure consistency of standards.

### **Authenticity of Student Work**

All work must be the student's own. If a staff member is in doubt the student will be asked to provide further evidence, orally or in writing, by explaining or solving a similar problem etc.

An inadequate explanation will result in no achievement grade being awarded. NZQA Policy will be followed.

### **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, to collect an application form for appeal within 48 hours, provided the assessment does not leave the room and is handed onto the Head of the Mathematics Department, by the classroom teacher.

### **Derived Grades**

It is necessary to achieve to your full potential throughout the year in all assessments in case the need arises for you to seek a Derived Grade in the final external examination.

### **Resubmission**

You may be asked to resubmit an assessment to correct a minor error, but there will be no further assessment opportunities in this course.

### **Storage of Student Work**

The College will keep all student work for internally assessed standards until such time as it is no longer required for moderation purposes.



**Jason Ellwood**  
**HoD Mathematics**  
**February 2019**