



# Otumoetai College

## Mathematics Department

### NCEA Level 1 Mathematics 2017 (L1MATH)

To the students:

This course is intended for those students who wish to take either Level 2 Mathematics, Statistics or Mathematics & Statistics next year. NCEA Level 2 leads into NCEA Level 3 Calculus and/or NCEA Level 3 Statistics in Year 13.

#### 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 \$30. 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

At the beginning of each unit you will be informed as to the form of assessment for the unit.

| Achievement Standard | Term | Topic   | Credit Value | Type of Assessment |
|----------------------|------|---|--------------|--------------------|
| AS 91027             | 1&3  | Apply algebraic procedures in solving problems                                | 4            | External (MCAT)    |
| AS 91032             | 1    | Apply right-angled triangles in solving measurement problems                  | 3            | Internal           |
| AS 91031             | 2    | Apply geometric reasoning in solving problems                                 | 4            | External           |
| AS 91035             | 2    | Investigate a given multivariate data set using the statistical enquiry cycle | 4            | Internal           |
| AS 91028             | 3,4  | Investigate relationships between tables, equations and graphs                | 4            | External           |

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

Each Achievement Standard will be awarded its own separate grade.

#### 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.

#### Internally Assessed Standards

The College is responsible for conducting this assessment for qualification. There will be no further assessment opportunities of internally assessed Achievement Standards.

#### College Examinations

All College assessments and examinations are compulsory.

### **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**

All 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.

It is expected of you to satisfactorily prepare yourself for each Achievement Standard Assessment through the guidance of your teacher.



**Jason Ellwood**  
**HOD Mathematics**  
**February 2017**