



# Otumoetai College

## Mathematics Department

### National Certificate in Educational Achievement Level 3 Statistics (L3STATB) 2019

To the students:

This course is designed to prepare students for tertiary study which may involve statistics. L3STATB is **not** designed to support attempting the Scholarship Statistics examination.

#### Resources:

There are several workbooks, each one relating to a standard that the students are sitting. These books will be ordered at the start of the year and given to you when each standard is taught. The total cost of these books is \$20 and can be paid at the office.

Students in L3STATB will need a standard scientific calculator. Note that NZQA has a list on its website of approved calculators for use in external examinations.

#### ICT Policy:

Use of computers, networks and ICT equipment is critical for many of the internally assessed standards. Participation in this course is dependent on the use of the college's ICT facilities. Students are expected to comply with the school's ICT policy. Breaking this agreement may be grounds for removal from this course.

#### Assessment:

Each course consists of six Achievement Standards. Five internally assessed topics and one externally assessed topics

Standard	Assessment	Title	Credits	Term
AS91580	Internal	Investigate time series data	4	1
AS91581	Internal	Investigate bivariate measurement data	4	1
AS91576	Internal	Use Critical Path Analysis in Solving Problems	3	2
AS91574	Internal	Apply Linear Programming methods in solving problems	3	2
AS91583	Internal	Conduct an experiment to investigate a situation using experimental design principles	4	2,3
AS91584	External	Evaluate statistically based reports	4	3,4

Note that for AS 91583 (Experiments), **students MUST be present** in their Statistics class for the data gathering phase of the assessment. This is scheduled for Monday, 23rd September. Students who are absent (for any reason, including illness or other school commitments) will be unable to meet the requirements of this assessment.

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 internal 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 2019**