

Mathematics at Waiau Area School:

The Level 1 NCEA Mathematics course is a full year course covering 8 Mathematics achievement standards.

How do you pass?

You gain credits for each standard you successfully complete. Your results are registered with NZQA and you receive a Record of Achievement from NZQA showing your results for the year. One goal is to gain 80 credits (including 10 numeracy credits) across your subjects to achieve the Level 1 National Certificate of Educational Achievement. Any credits you gain this year can be carried forward i.e. you do not have to gain all 80 credits in one year to achieve NCEA Level 1.

Maths at Waiau

Equipment:

- A textbook will be provided for you to use during the year.
- A scientific calculator is required.

Attendance:

You are expected to attend class on a regular basis as set out in the school policy of attendance.

Entry into Level 2 NCEA Mathematics:

In order to gain entry to NCEA Level Two mathematics, you need to demonstrate competence in this course through achieving a minimum of 14 credits in achievement standards, including passing grades in at least 2 external standards. Not that Head of Department discretion applies with entry to Level 2 mathematics.

It is the responsibility of each student to

- Be aware of the assessment policy and programme
- Be aware of the requirements of each assessment being completed
- Check thoroughly the accuracy of the assessment by teachers when work is returned
- Discuss problems/concerns with the Teacher/Head of Senior School

How assessment works

The work done in this course may be assessed in two ways:

- Internal assessment – assessments carried out during the year.
- External Assessment – an examination sat at the end of the year. Only external achievement standards are assessed in this way.

While it is appropriate to learn from others and gather information from a variety of sources, your teacher must be able to determine that the assessment work has been processed and produced by you. To check this, I may:

- Change assessment contexts from year to year
- Require plans and draft work to be handed in
- Keep on-going work on site
- Ask oral question to confirm knowledge
- Control the resources used
- Require you to provide a signature to declare authenticity

I will ask you to sign for each internal assessment you complete. If you accept the grade given, you sign on the assessment. I will keep the assessment.

Further opportunities for assessment occur at the teacher's discretion. Factors influencing further assessment opportunities are:

- the nature of the standard being assessed. It may not be possible to provide another opportunity where the assessment of a particular standard is linked to a single scheduled event.
- Where you have been absent without a valid excuse. In this case a further assessment opportunity may not be available unless one is included in the remaining program for the class.

Your teacher will make clear to you which standards have further assessment opportunities.

Conditions

Your teacher will tell you more about the conditions for assessment which make sure that the work you present for assessment is your own. The conditions for assessment are shown beside the standards.

Authenticity of student work

At Waiau Area School, we regard any situation seriously where a student presents another person's work as their own, or cheats in any way when completing work for internal and school-based external assessments. Conduct in school exams during the year is aligned with the codes of conduct expected in NZQA-run exams.

We will investigate any alleged breach and may cancel results for an internal standard where cheating is proven.

Moderation

Your teacher will assess your internally assessed work. To ensure your teacher's assessments are consistent with national standards, samples of their assessments are moderated by another maths teacher, by comparing work from your class with nationally set exemplars. You'll become familiar with these exemplars during the course. In addition, selected standards will be moderated by an NZQA moderator each to ensure Waiau Area School is assessing to national standards.

Appeals

You can appeal results for internal standards or for school-based external assessments held during

the year. If you wish to appeal a result, the appeal should be made to your teacher within five school days of receiving the result. If the appeal cannot be resolved between you and the HOD, you should complete an appeals form (available from the NZQA Nominee, Ms Smart) within twenty school days of the original appeal.

Waiau Area School

Level One Mathematics Year Plan

Standard Number	Name	Credits	Assessment Timeline	Type of Assessment
91026	Apply numeric reasoning in solving problems	4	Assessed Mid Term 1	Internal
91038	Investigate a situation involving elements of chance	3	Assessed Late Term 1	Internal
91030	Apply measurement in solving problems	3	Assessed Early Term 2	Internal
91032	Apply right angled triangles in solving measurement problems	3	Assessed Mid Term 2	Internal
91027 V2	Apply algebraic procedures in solving problems	4	Taught Term 2/3 Assessed September	External (Common Assessment Task)
91028	Investigate relationships between tables, equations and graphs	4		External
91037 V2	Demonstrate understanding of chance and data	4		External
91031 V2	Apply geometric reasoning in solving problems			External

Waiau Area School**Level Two Mathematics Year Plan**

Standard Number	Name	Credits	Assessment Timeline	Type of Assessment
91259	Apply trigonometric relationships in solving problems	3	Assessed Mid Term 1	Internal
91258	Apply sequences and series in solving problems	2	Assessed Late Term 1	Internal
91256	Apply coordinate geometry methods in solving problems	2	Assessed Early Term 2	Internal
91268	Investigate a situation involving elements of chance using a simulation	2	Assessed Late Term 2	Internal
91261	Apply algebraic methods in solving problems	4		External
91262	Apply calculus methods in solving problems	4		External
91267	Apply probability methods in solving problems	4		External

Waiau Area School**Level Three Mathematics Year Plan**

Standard Number	Name	Credits	Assessment Timeline	Type of Assessment
91574	Apply linear programming methods in solving problems	3	Assessed Mid Term 1	Internal
91587	Apply systems of simultaneous equations in solving problems	3	Assessed Mid Term 1	Internal
91581	Investigate bivariate measurement data	4	Assessed Late Term 1	Internal
91580	Investigate times series data	4	Assessed Mid Term 2	Internal
91586	Apply probability distributions in solving problems	4		External
91585	Apply probability concepts in solving problems	4		External