

Kia ora and welcome to Science at Waiau Area School.

“The most incomprehensible thing about the world is that it is at all comprehensible.”
Albert Einstein

Major topics covered include:

1 The Living World (Term 1)

In this course we will explore how life processes are affected by environmental factors. This course is designed to provide you with the knowledge of the interaction between environmental stimuli and the effect on life. This course will run during term 1.

2 The Material World (Term 2)

This term is devoted to studying the material world and the application in society. We will be looking into the properties of specific metals and how they relate to their use in society. Then a closer look at the world, all the way down to an atomic level. Then exploring aspects of acids and bases. During this unit there is a metals internal during the middle of term 2. The assessment for acids and bases is an external.

3 The Physical World (Term 3)

During this course we will be looking at the way in which heat moves and the implication and application into society. This is an internal which will be carried out in week four of term 3. Then moving onto mechanics. This deals with movement and interactions. This is assessed in the externals. Both achievements offered in this course are numeracy.

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 literacy credits and 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.

Science at Waiau

All achievement standards at level 1 Science are worth 4 credits. There are 3 internals offered and 2 externals thus 20 credits overall.

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.

During the year your assessed work for internal assessment will be stored by your teacher. The department also retains all internally assessed work at the end of the year in case any authenticity checks need to be made.

In Science because of the demands of the portfolio practical assessment there are no reassessment opportunities offered.

While practical requirements will be in group work, all written work is individual.

If a resubmission on any internally assessed standard is required by Miss Collett, the student will be instructed to attend a verbal and/or written resubmission class. Here they will be given the opportunity to provide verbal or written corrections and/or validation of their work.

Authenticity of student work

At Waiiau 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 Science teacher at another school, 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 Waiiau 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.

NCEA Assessment opportunities

The following Standards are available through Science at **Level 1**:

90949	Investigate life processes and environmental factors that affect them (V1)	4 credits	Internal
Assessed as part of "Living World" during second half of term one as portfolio			
90946	Investigate the implications of the properties of metals for their use in society (V1)	4 credits	Internal
Assessed as part of "Material World" during term first half of term two as portfolio			
90944	Demonstrate understanding of aspects of acids and bases (V1)	4 credits	External

Assessed as part of “Material World” externally

90943	Investigate the implications of heat for everyday life (V1)	4 credits	Internal
--------------	--------------------------------------------------------------------	------------------	-----------------

Assessed as part of “Physical World” during term three as investigation

90940	Demonstrate understanding of aspects of mechanics	4 credits	External
--------------	----------------------------------------------------------	------------------	-----------------

Assessed as part of “Physical World” externally

Learning at Level 2 and 3 is done by correspondence and is assessed externally.