



MĀRUAWAI
COLLEGE

Senior Year 11-13 Subject Information

📍 SENIOR CAMPUS

No Reward Without Effort

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Year 11, 12 and 13 options

This guide is designed to help you make informed decisions about your academic pathway as you progress through your high school years. At this stage of your education, you have the opportunity to shape your future by choosing subjects that align with your interests and career aspirations.

In this booklet, you will find detailed information about the subjects offered in Years 11 - 13, as well as information about the qualifications available to you. Whether you are interested in pursuing further education, entering the workforce, or exploring other opportunities, there is a range of subjects and qualifications that can help you achieve your goals.

We encourage you to take the time to read through this booklet carefully and discuss your options with your parents, teachers, and career advisors. By making informed choices about your academic pathway, you can set yourself up for success and unlock a world of possibilities.

Our Prospectus/Enrolments:

maruawai.school.nz/enrolments



NCEA Summary

The National Certificate of Educational Achievement (NCEA) is the main qualification for secondary school students in New Zealand. It is a flexible and inclusive qualification that recognises achievement in a range of subjects and skills.

There are three levels of NCEA qualifications: Level 1, Level 2, and Level 3. To achieve each level, students must earn a certain number of credits by completing assessments in various subjects. Credits can be earned through a combination of internal assessments, where work is assessed by the student's teacher, and external assessments, where work is assessed by the New Zealand Qualifications Authority (NZQA).

NCEA is a highly respected qualification that is recognised by employers, universities, and other tertiary institutions both in New Zealand and overseas. It provides students with a strong foundation of knowledge and skills that will help them succeed in their chosen pathway.

In addition to the standard NCEA qualifications, there are also vocational pathways that offer a range of industry-specific qualifications. These pathways allow students to gain practical skills and knowledge in areas such as construction, hospitality, and agriculture.

Overall, NCEA is a comprehensive and flexible qualification that offers a range of opportunities for students to achieve success in their chosen subjects and pathways.

NCEA

Māruawai College offers courses to gain NCEA at **Level 1, 2 or 3.**

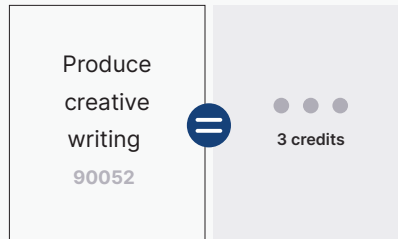
Courses

Each **course** is made up of **standards.**



Standards

Each **standard** is worth a certain number of **credits.**



Credits

Credits count towards **NCEA** at **Level 1, 2 or 3.** You must also meet the Level 1 literacy and numeracy requirements to **achieve Level 2 or 3.**



NCEA levels:

Level 1

60 credits are required for learners to achieve NCEA Level 1. Credits earned from Unit Standards as well as Achievement Standards can be used to gain the 60 credits needed.

The 60-credit NCEA Level 1 will not include the 20-credit literacy and numeracy/ te reo matatini me te pāngarau co-requisite, which sits outside the qualification.

During 2024 and 2025, learners will be able to meet the 20-credit co-requisite through achieving either the new co-requisite standards or gaining 20 credits from a small list of literacy- and numeracy-rich standards.

Level 2

To achieve NCEA Level 2, you need:

- 60 credits at Level 2 or above, and
- 20 credits at any Level, and

Level 3

To achieve NCEA Level 3, you need:

- 60 credits at Level 3 or above, and
- 20 credits at Level 2 or above, and

University Entrance

University Entrance (UE) is the minimum requirement to attend a New Zealand university.

To qualify for UE, you will need all of the following:

- NCEA Level 3
- 14 credits in each of three approved subjects at Level 3. Check the NZQA website for the list of approved subjects.
- UE Literacy – 10 credits at Level 2 or above, made up of:
 - 5 credits in reading.
 - 5 credits in writing.
- UE Numeracy – 10 credits at Level 1 or above (the same as the requirement for NCEA numeracy). Check the NZQA website for the list of standards that meet these requirements.

Universities have their own requirements for admission into programmes. Check with the university you wish to attend to see what its requirements are. University Entrance is usually awarded in January.

Endorsements

To reflect higher achievement, you should aim to earn endorsements for your NCEA courses and qualifications. There are two types of endorsement: course endorsement and certificate endorsement.

Course endorsement

Course endorsement shows high achievement in a particular course or courses.

When you gain 14 or more credits at Merit (or a mix of Merit and Excellence) in a course in a single year, you will be awarded a Merit endorsement for that course. For example, if you gain 14 or more credits at Merit in your Geography course, you will be awarded Merit for Geography.

When you gain 14 or more credits at Excellence in a course in a single year, you will be awarded an Excellence endorsement for that course.

To be awarded an endorsement, in most courses you need at least three credits from internal assessment and at least three from external assessment. Exceptions are Physical Education and Level 3 Visual Art. Not all subjects will have a course endorsement.

Certificate endorsement

Certificate endorsement shows high achievement in the qualification.

When you gain 50 or more credits at Excellence at the level of the certificate or above, your NCEA certificate will be endorsed with Excellence.

If you gain 50 or more credits at Merit at the level of the certificate or above, or if you gain 50 or more credits at a mix of Merit and Excellence, your NCEA certificate will be endorsed with Merit.

Credits for an endorsed NCEA certificate (Levels 1, 2 and 3) can be gained over more than one year.



Selecting your subject options on EDGE

Choose your subject options online, either by using a web browser to login to **EDGE**, or by using the **EDGE App** on your phone.

- ① Login with your student school email address at student.edgelearning.co.nz GE password.
- ② Make sure the Year Level is **2025**.
- ③ Select your subjects.

Year 11

Choose **six** subjects. You must choose *English or Literacy for Life*, one *Maths* and preferably *Science*.

Year 12

Choose **six** subjects.

Year 13

Choose **five** subjects and 'Study' as a **sixth** subject.

THE ARTS

Drama

Students will learn and develop their performance skills and theatre theory. Confidence, teamwork, and creativity are all vital skills used in Drama and important for life.



Level 1 (11DRA)

ENTRY RECOMMENDATIONS

Students must have an interest in performing and acting. Year 10 Drama helpful but not required.

QUALIFICATION

✓ NCEA Level 1

COURSE DESCRIPTION

Students will expand their knowledge and performance skills in Level 1 Drama. They will learn how to create and show meaning through their use of drama techniques, elements, and conventions. Students will start to perform and discuss complex ideas, relating them to real life contexts. They will apply a range of theatre forms to their performances and create and justify decisions in their devised work.

Students may have the opportunity to see live professional theatre throughout the year. This allows students to learn from professional actors and complete possible externals.

ASSESSMENT

Mixture of internals and externals.

4 Internals (17 credits)

1 external (4 credits).

Level 2 (12DRA)**ENTRY RECOMMENDATIONS**

Students must have an interest in performing and acting. Level 1 Drama is important, but we can make exceptions.

QUALIFICATION

- ✓ NCEA Level 2 (UE Approved)

COURSE DESCRIPTION

Students will continue to expand their knowledge and performance skills in Level 2 Drama. They will learn how to create and show meaning through their use of drama techniques, elements, and conventions with depth. Students will perform and discuss complex ideas, relating them to real life contexts. They will apply a range of theatre forms to their performances and create and justify decisions in their devised work.

Students may have the opportunity to see live professional theatre throughout the year. This allows students to learn from professional actors and complete possible externals.

ASSESSMENT

Mixture of internals and externals.

4 Internals (**17 credits**)
1 external (**4 credits**).

Level 3 (13DRA)**ENTRY RECOMMENDATIONS**

Students must have an interest in performing and acting. Must have NCEA Drama experience.

QUALIFICATION

- ✓ NCEA Level 3 (UE Approved)

COURSE DESCRIPTION

Students in Level 3 Drama focus on integrating the skills they have developed thus far in the Drama course. They create and discuss wider themes and ideas influenced in their work. Students have the ability to be open and expand their creativity during this course.

Students may have the opportunity to see live professional theatre throughout the year. This allows students to learn from professional actors and complete possible externals.

ASSESSMENT

Mixture of internals and externals.

4 Internals (**17 credits**)
1 external (**4 credits**).

THE ARTS

Music

This course covers a wide range of musical contexts and activities, such as performance (both solo and group), composition, music theory, musical history and analysis, and music conventions. In most cases these courses are highly flexible based on student requirements and interests.

Level 1 (11MUS)

ENTRY RECOMMENDATIONS

It is recommended students have been taking weekly lessons (either privately, or through the Itinerant Music Scheme) on an instrument or voice for at least two years prior to this course.

QUALIFICATION

✓ NCEA Level 1

COURSE DESCRIPTION

In this course, students will have the opportunity to specialise in their chosen instruments and expand their knowledge. Through dedicated practice they will develop their stagecraft, gaining confidence and proficiency in live performances. Students will learn how to apply musical concepts to their compositions and performances, enhancing their overall abilities. Various musical styles and contexts will be covered to ensure students are well-rounded musicians.

ASSESSMENT

50% internals 50% externals
worth a maximum of
20 credits.

This is the proposed new curriculum which will come into effect in 2024.

Level 2 (12MUS)**ENTRY RECOMMENDATIONS**

It is recommended students have been taking weekly lessons (either privately, or through the Itinerant Music Scheme) on an instrument or voice for at least three years prior to this course.

QUALIFICATION

- ✓ NCEA Level 2

COURSE DESCRIPTION

This course builds on the skills and understanding developed in Level 1 Music. It includes performance on a chosen instrument(s) (including voice), composing two original pieces, and performing collaboratively in a group/ensemble. There are additional units available such as a New Zealand music investigation, a solo performance on a second instrument and/or the music theory external standard.

ASSESSMENT

Students tailor their course to suit their interests from a selection of five internal achievement standards and one music theory external achievement standard.

27 total credits are available.

Level 3 (13MUS)**ENTRY RECOMMENDATIONS**

It is recommended students have been taking weekly lessons (either privately, or through the Itinerant Music Scheme) on an instrument or voice for at least four years prior to this course.

QUALIFICATION

- ✓ NCEA Level 3 (UE Approved)

COURSE DESCRIPTION

This course offers students the opportunity to personalise their learning experience and delve deeper into their specific areas of interest. Students have the flexibility to tailor their course to emphasise practical skills, such as solo and group performance. Additionally, there are two composition standards available, both of which are worth eight credits. Students have the option to undertake a musical research project and can also choose to participate in the music theory external.

ASSESSMENT

Students tailor their course from a variety of achievement standards.

18-22 credits available, depending on choice of standards taken.

THE ARTS

Visual Art

Students will be encouraged to learn a range of techniques in painting, printmaking, mixed media, and photography. There will be an internal assessment through a visual diary and final piece as well as an external examination consisting of an art board. The work will be exhibited in an end of year arts celebration.

Level 1 (11ART)

ENTRY RECOMMENDATIONS

It is highly recommended that those students wishing to opt for Visual Art have an interest in being creative, can draw with some confidence and ideally has taken visual arts as an option in Year 9 or 10. Although, with a positive learning attitude any student can be successful.

QUALIFICATION

- ✓ This can lead on to a Level 2 and 3, specialising in painting, printmaking, or photography.
- ✓ NCEA Level 1

COURSE DESCRIPTION

Similar to previous years, the course will involve developing drawing, painting, and printmaking skills in wet and dry media. The students will be given a specific topic to research, and this will inform them for the whole year. Internals will be submitted halfway through the year and a final board submitted in term 3. All final pieces will be displayed in an exhibition organised by the students in term 4. Support will be given throughout the year allowing students to stretch and challenge themselves with new skills and techniques.

ASSESSMENT

50% internals 50% externals
worth a maximum of
20 credits.



Level 2 (12ART)

ENTRY RECOMMENDATIONS

It is strongly recommended that students take Level 1 Visual Art before embarking on the level 2 course and specialising in either painting, printmaking, or photography. This will enable them to have the foundational skills required to achieve at this demanding level.

QUALIFICATION

- ✓ This can lead on to a Level 3 in Visual Art.
- ✓ NCEA Level 2

COURSE DESCRIPTION

Students are required to thoroughly research and document methods and ideas relating to Art and artworks using a variety and diversity of both European and Māori artists. Students generate and develop ideas further using drawing methods related to established practice, experimenting with drawing materials, processes, and techniques appropriate to either painting or printmaking. Students approach the external unit systematically to create and develop ideas and artwork. The external element comprises of two art boards being completed. Students will take either painting or printmaking internals at Level 2.

WHERE DOES IT LEAD?

To Level 3 NCEA Art or to a Polytechnic course.

ASSESSMENT

A total of **20 credits** can be achieved: internal assessment through a visual diary worth **8 credits** and an external assessment art board worth **12 credits**.

Level 3 (13ART)

ENTRY RECOMMENDATIONS

An NCEA Level 2 pass in Visual Art painting or printmaking at Merit or Excellence grade is highly recommended to successfully navigate the demanding NCEA Level 3 Visual Art programme.

QUALIFICATION

NCEA Level 3 (UE Approved)

COURSE DESCRIPTION

Students may take up to 22 credits in total. This course involves researching and analysing approaches within established painting and printmaking practice. Students investigate ideas and methods relating to Art through drawing practices and painting. Experimental approach to drawing processes, procedures, materials, and techniques appropriate to ideas will be thoroughly supported. The external component is made of three boards showing the production of a body of work within painting or printmaking. Students will specialise in either painting or printmaking at Level 3.

Scholarship is available for those that wish to partake. The decision to complete Scholarship will be taken at the start of Term 2 in consultation with the Learning Area Leader.

ASSESSMENT

Students will be expected to produce an A4 sized visual diary to record their individually chosen topic. By meeting the marking criteria and successfully completing the two internals, they will be able to gain **8 credits**. Using drawing to demonstrate understanding of conventions appropriate to painting or printmaking. To Systematically clarify ideas using drawing informed by established painting or printmaking practice. An external art board of three panels displaying the final pieces of a systematic body of work will be submitted and sent away for external moderation. This external is worth **14 credits**.



THE ARTS

Photography

This popular course allows students to be creative in a digital format, Planning and executing various photoshoots and then experimenting with a range of physical and digital manipulations with the use of the Adobe Photoshop program. Students are fully supported with specific lesson time allocated to learning about digital editing. There will be an opportunity to attend photographic workshops with guest artists.

Level 2 (12PHO)

ENTRY RECOMMENDATIONS

Ideal candidate would be a student who has taken Level 1 Visual Art. Having a passion for photography; the motivation to work independently and the drive to learn new skills, specifically with Photoshop.

QUALIFICATION

✓ NCEA Level 2

COURSE DESCRIPTION

Similar to the Level 2 course, Level 3 follows a similar format, students at this level are confident in their abilities and have a clear understanding of photographic conventions and how to apply them to their work. They will create a systematic body of work exploring their chosen topic through digital and physical manipulations, the results of which will be to a high standard.

ASSESSMENT

Internal visual diary in the format of a PowerPoint, worth **8 credits**, an external two panelled art board.

Level 3 (13PHO)**ENTRY RECOMMENDATIONS**

An ideal candidate would be a student who has taken Level 2 Photography and passed with a Merit or Excellence. Having a passion for photography, and the knowledge and understanding of key photographic processes.

QUALIFICATION

- ✓ This can lead on to Polytechnic or University courses.
- ✓ NCEA Level 3

COURSE DESCRIPTION

Similar to the Level 2 course, Level 3 follows a similar format, students at this level are confident in their abilities and have a clear understanding of photographic conventions and how to apply them to their work. They will create a systematic body of work exploring their chosen topic through digital and physical manipulations, the results of which will be to a high standard.

 **ASSESSMENT**

Internal visual diary in the form of a PowerPoint, worth **8 credits**, an external two panelled art board worth **14 credits**.

LANGUAGES

English: Literacy for Life

Level 1 (11LIT)**QUALIFICATION**

- ✓ NCEA Level 1

COURSE DESCRIPTION

Students will develop their skills in writing, reading, visual language, listening and speaking. These will be given in the context of the wider world and the workplace. This course will help students to build communication skills that will assist them in the workplace in the future. Students are expected to complete all internal standards. This is primarily a Unit Standard course and the focus is on literacy skills for life.

ASSESSMENT

A range of internal assessments that support literacy skills. A combination of assessment standards and unit standards, all of which are internal.

16 to 20 credits available.



LANGUAGES

English

The study of English supports students to extend their competency in the use of language in a variety of contexts including tertiary study and the workplace. Students develop a sense of their identity as New Zealanders and explore their heritage through the study of novels, films, short stories, and shorter texts.

They also develop critical thinking skills, which enables them to evaluate and challenge the thinking of others as well as contribute to important global debates. English is the study, use, and enjoyment of the English language, communicated orally, visually, and in writing, for a range of purposes and audiences and in a variety of forms. Students will develop their skills in reading, writing, listening.

Level 1 (11ENG)

QUALIFICATION

✓ NCEA Level 1

COURSE DESCRIPTION

Students will continue to develop their skills in writing, reading, visual language, listening and speaking. These skills are taught through a variety of themes arising from the study of texts such as novels, short stories, poetry, films, documentaries, TV series and advertisements. The themes may include discrimination, justice, identity, corruption, and human nature. There are two compulsory internal standards, a writing portfolio, and a compulsory external examination.

 **ASSESSMENT**

20 credits available from both internal and external assessments.

Level 2 (12ENG)**ENTRY RECOMMENDATIONS**

NCEA Level 1

QUALIFICATION

✓ NCEA Level 2

COURSE DESCRIPTION

English is not compulsory at Year 12 but provides one of several pathways for students to access UE literacy credits. At this level, English becomes even more academic and writing skills are very important. Students will continue to develop their skills in writing, reading, visual language, listening and speaking. These skills are taught through a variety of themes arising from the study of texts such as novels, short stories, poetry, films, documentaries, TV series and advertisements. The themes may include discrimination, justice, identity, corruption, and human nature. At least two internal standards and one external standard are expected to be completed by each student. This is an Achievement Standard course suitable for students who experienced success in NCEA Level 1 English and who wish to gain credits towards UE literacy for University Entrance.

ASSESSMENT

4 internal assessments and
3 external examinations.

Level 3 (13ENG)**ENTRY RECOMMENDATIONS**

NCEA Level 2

QUALIFICATION

✓ NCEA Level 3

COURSE DESCRIPTION

Level 3 English builds on the skills developed in Level 2 English. The focus is on skills in 'making and creating meaning', through a range of texts in written, visual, and oral forms. At Level 3 our skills reflect the sophistication of the text and our audience through critical response.

ASSESSMENT

4 internal assessments and
3 external examinations.

LANGUAGES

Te Reo Māori

Students taking te reo Māori will develop their knowledge and ability to use te reo Māori in their lives and formal occasions. Learning te reo Māori deepens one's understanding of te ao Māori and languages as a whole.

There is also a pathway in senior Māori to explore and learn about tikanga Māori, Māori atua and histories of Māori people.

Level 1 (11MAO)

ENTRY RECOMMENDATIONS

An interest in te ao Māori and/or an interest to learn te reo Māori. Year 10 Māori is beneficial.

QUALIFICATION

✓ NCEA Level 1

COURSE DESCRIPTION

Level 1 te reo Māori offers two pathways. One further extends students' understanding and use of te reo Māori as we produce extended texts, listen and read for more detail, expand on previous vocabulary and sentence structures. Students will regularly be using passive sentence structures, agent emphatic sentence structures as well as active sentence structures. Students will also learn about the history of te reo Māori as well as principles within te ao Māori that are embedded in te reo.

The second pathway is focused on tikanga Māori where students will complete Unit Standards exploring whakapapa, ātua, powhiri, Māori history and te ao Māori. Those completing the Unit Standards will learn about the migration from Hawaiki, Māori atua, whakapapa, powhiri, and Māori leaders, either past or present.

ASSESSMENT

Students completing the achievement standards will complete three internal assessments and one external assessment. These will explore the history of te reo and the impacts on its vitality; speaking with fluency; and developing an understanding of how Māori principles are evident within the language. These **credits total 20**.

Those completing the unit standards will complete a variety of unit standards exploring te ao Māori. These will total between **17-20 credits**.

Level 2 (12MAO)**ENTRY RECOMMENDATIONS**

NCEA Level 1

QUALIFICATION

✓ NCEA Level 2

COURSE DESCRIPTION

Level 2 te reo Māori continues to develop and deepen students' understanding and ability to use te reo Māori in both informal and formal occasions. More of the intricacies (modifiers, statives) of te reo Māori are covered to allow a more specific message to be communicated and received. Wider issues impacting te reo Māori me ngā tangata Māori are integrated into the mahi to give more context to te reo Māori and its place in Aotearoa.

ASSESSMENT

Students will complete three internal assessments covering whakarongo, tuhituhinga, kōrero and pānui. These will total **24 credits**. Unit standards are also available.

Level 3 (13MAO)**ENTRY RECOMMENDATIONS**

NCEA Level 2

QUALIFICATION

✓ NCEA Level 3

COURSE DESCRIPTION

Students will be consolidating the structures, vocabulary, and knowledge from the previous years to produce fluent and succinct texts independently.

ASSESSMENT

Level Three te reo Māori consists of three internal assessments (Whakarongo, Tuhinga and Kōrero) worth **18 credits** in total and an external assessment (Pānui) worth **6 credits**. Unit standards are also available.

GATEWAY AND CAREERS

Courses

The Gateway and Careers subjects are for students who are keen to explore one or multiple career pathways. These subjects offer more practical skills for students as they prepare to enter the workplace. Alongside Gateway placements and work experience we work with a range of different providers to support students gain valuable skills in their chosen area. We also aim to educate students about "life after school" with practical skills e.g., banking, job interviews etc.

Career Navigator

Year 13 (13NAV)

COURSE DESCRIPTION

This course is designed to support Year 13 Students who would like to investigate possible career pathways and provide information and skills that would support a pathway that may not include tertiary education. This course is module based and students can opt in and out during the year as they follow an individual career plan. There is also an opportunity for work experience and working with mentors from the local community. Students have the opportunity to select standards to complete, they are expected to achieve 13-15 credits for a full year course.

CORRESPONDENCE SCHOOL

If a subject is not offered, Year 13 Students *may* have the opportunity to undertake correspondence courses in 2024. Students can approach the Careers Department to see if the subject is available through the Correspondence School. Only students who meet the criteria will be eligible and will require the permission of their dean.

ASSESSMENT

This course is based around unit standards and provides up to **18 credits**.

Gateway

COURSE DESCRIPTION

The Gateway Programme gives students the opportunity to gain qualifications in a career they are motivated to pursue for the future. It is structured workplace learning, which involves linking with learning at school. Students are expected to achieve 20 credits from their Gateway programme, students are also expected to gain NCEA Level 3 during the year. Gateway is taken as a subject as part of your course structure.

The learning is designed, planned, and monitored to support students' individual career pathway.

Workplace learning is assessed and can gain Unit Standard Credits which will go towards NCEA and for most courses, vocational pathways.

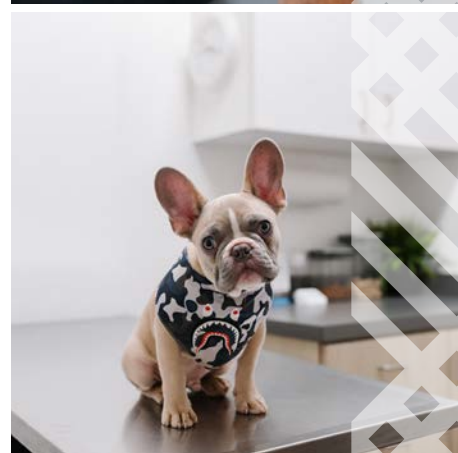
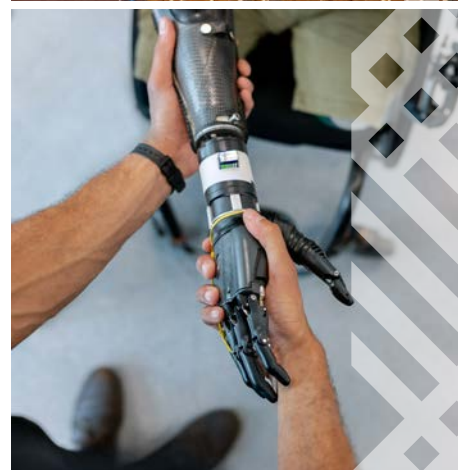
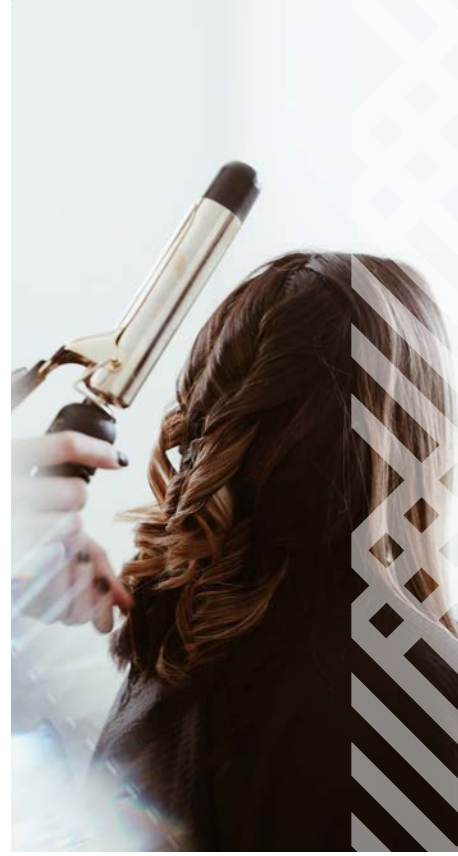
Possible areas of learning in Gateway include (but are not limited to):

- | | |
|-------------------------------|------------------------|
| ✓ Retail | ✓ Engineering |
| ✓ Agriculture | ✓ Building |
| ✓ Aviation | ✓ Hairdressing |
| ✓ Hospitality | ✓ Butchery |
| ✓ Vet Nursing | ✓ Electrical |
| ✓ Horticulture | ✓ Equine |
| ✓ Automotive | ✓ Turf |
| ✓ Joinery/Construction | ✓ Tourism |
| ✓ Boat building | ✓ Baking |
| ✓ Early Childhood | ✓ Panel Beating |

Students attend a Gateway class and complete relevant theory for their chosen area of learning. They are placed with an employer for up to one day a week and learn the practical aspects of their chosen career pathway.

All interested students and family will be contacted for an interview later this year to assess suitability.

This course will depend on expressions of interest and Tertiary Education Commission (TEC) funding.



Level 2 (12GADT)**ENTRY RECOMMENDATIONS**

An interest in pursuing a vocational pathway. We have limited places so applicants and their families will be interviewed to gain placement into this programme.

QUALIFICATION

- ✓ NCEA Level 2
-

ASSESSMENT

Students will complete unit standards to achieve the **20 credits** required to pass this course.

Level 3 (13GADT)**ENTRY RECOMMENDATIONS**

Level 1 and working towards Level 2.

QUALIFICATION

- ✓ NCEA Level 2 (some Level 3 credits may be offered).
-

ASSESSMENT

Students will complete unit standards to achieve the **20 credits** required to pass this course.

GATEWAY AND CAREERS

STAR Courses

STAR courses are usually run in Term 2 and 3 at **SIT | Te Pūkenga** in Invercargill or on the Gore Campus. They are one day a week and focus on a range of different career pathways. E.g. Automotive, engineering, hairdressing, and beauty therapy.

These courses are usually advertised on Teams, or the Careers department will message you if they think you would benefit from this. There are usually up to 10 credits attached to these courses.



GATEWAY AND CAREERS

Murihiku Pathways

Murihiku Pathways offers students the opportunity to study in a Polytechnic Environment with a sector related tutor every Friday for the entire school year. Students may apply for the following courses.

When the students are at school their learning will focus on mental and physical health, some community initiatives, and aspects of the Treaty of Waitangi and where it fits into different workplaces.

PLEASE NOTE

These courses are run off-site by an outside provider and courses will only be available if there is enough numbers. These courses offer between **23-29 Level 2 or 3 credits.**

Level 2 (12MHP)

Level 3 (13MHP)

ENTRY RECOMMENDATIONS

Level 1 or Level 2

QUALIFICATION

✓ Credits towards NCEA Level 2 and 3.

ASSESSMENT

Completed by
SIT | Te Pūkenga.

SCIENCES

Overview

Many students choose Science as an option in the senior school. Science draws on what you are taught in junior school and prepares you for Biology, Chemistry and Physics. Students choose science because you learn about real world issues and there are many careers that require science as a prerequisite.

Agriculture is a popular subject and gives students choice to learn about this important sector. Many people study Agriculture because they are interested in a career in the primary industries. You can choose from trade academy, agribusiness, and agriculture.



SCIENCES

Agribusiness

Level 2

(12AGB)

ENTRY RECOMMENDATIONS

Good achievement at Level 1 Economics, Agriculture and Science would be recommended but not compulsory. An interest in primary industries would also be of use.

QUALIFICATION

- ✓ Working towards NCEA Level 2

COURSE DESCRIPTION

Agribusiness offers the beginning of a career pathway which links into the primary industries of New Zealand. This programme covers achievement standards from Agribusiness, and key relevant aspects of accounting, business, and economics. Through the focused learning of Agribusiness, students engage in future and innovative thinking, and develop problem-solving strategies and lifelong skills surrounding the primary industries.

ASSESSMENT

All achievement standards with a mix of internals **(21 credits)** and externals **(4 credits)**.

Level 3

(13AGB)

ENTRY RECOMMENDATIONS

Can be considered as a one-off course, but Level 2 Agribusiness is strongly recommended. Supporting subjects would be Economics and Agricultural Science.

QUALIFICATION

- ✓ NCEA Level 3 (UE Approved)

COURSE DESCRIPTION

Agribusiness offers the beginning of a career pathway which links into the primary industries of New Zealand. They build knowledge of the whole operation and are encouraged to find innovative solutions to challenging operational issues. They will learn economic, physical / climatic, political, environmental, technological, historical, social, ethical, and cultural influences on agribusinesses and the interrelationships of science, business, technology, society, and the environment.

ASSESSMENT

All achievement standards **(21 internal credits, 4 credits external)**.

SCIENCES

Agriculture

Level 1 (11AGR)**ENTRY RECOMMENDATIONS**

Entry point for senior agriculture. Year 10 Agriculture or by consultation with TIC.

QUALIFICATION

✓ NCEA Level 1

COURSE DESCRIPTION

This subject focuses on primary production and predominately stops at the site gate, excluding businesses that support the primary industry. Ākonga will learn about on-site decisions as well as the off-site considerations that influence the production of primary products. There is a strong emphasis on environmental, social, cultural, and economic sustainability, and a focus on innovation in response to economic and environmental challenges.

Level 2 (12AGR)**ENTRY RECOMMENDATIONS**

A strong interest in Agriculture, it would be helpful to have studied Level 1 Agriculture but can also be considered as a one-off course.

QUALIFICATION

✓ NCEA Level 2 (UE Approved)

COURSE DESCRIPTION

This subject is a one-year programme that assesses NZQA Achievement Standards. Topics range from Livestock Reproduction and Behaviour, Modification of Environment and Land Use. Students are also able to attain course endorsement.

ASSESSMENT

All achievement standards
(20 credits - internal and external).

ASSESSMENT

All achievement standards
externals (8 credits internals
12 credits).

Level 3 (13AGR)**ENTRY RECOMMENDATIONS**

Can be considered as a one-off course, but Level 2 Agriculture course would be useful.

QUALIFICATION

- ✓ NCEA Level 3 (UE Approved)

COURSE DESCRIPTION

Year 13 Agriculture continues from Year 12 and offers a mix of internally and externally standards. Topics covered Production process, an in-depth product investigation, environmental issues, and marketing.

ASSESSMENT

All achievement standards, both external (**8 credits**) and internals (**10 credits**). Literacy and Numeracy credits are available in completing this course. There are also a number of unit standards available (**10 credits**).



SCIENCES

Agriculture Academy

Level 1 (11ATA)**ENTRY RECOMMENDATIONS**

Year 10 Agriculture and through interview with PITO staff member and Agricultural department staff. Due to the nature of the course, numbers are limited.

QUALIFICATION

- ✓ Working towards NCEA Level 1 and National Certificate in Agriculture Level 2.

COURSE DESCRIPTION

This course is based on agito Unit Standards and is a two-year programme. Students taking this course will be working towards The National Certificate Level 2, but also gaining credits towards their NCEA Level 1. Unit Standards will cover both practical skills and theory knowledge. There will be an interview process, as there will be limited spaces available.

ASSESSMENT

All unit standards, both theory and practical (**23 credits**).

Level 2 (12ATA)**ENTRY RECOMMENDATIONS**

Must have signed up and completed the Trade Academy Level 1 course.

QUALIFICATION

- ✓ NCEA Level 2
- ✓ Students will also gain their National Certificate in Agriculture Level 2.

COURSE DESCRIPTION

This course is based on agito Unit Standards and is a two-year programme. Students taking this course will be working towards The National Certificate Level 2, but also gaining credits towards their NCEA Level 2. Unit Standards will cover both practical skills and theory knowledge. Only those who selected this course at Level 1, will be able to do it in 2024.

ASSESSMENT

All achievement standards externals (**25 credits**).

SCIENCES

Biology

Level 2 (12BIO)**ENTRY RECOMMENDATIONS**

It is strongly recommended that students gain an Achieved grade or higher in AS 92022: Demonstrate understanding of genetic variation in relation to an identified characteristic.

The following skills would also be an advantage: researching biological ideas, designing investigations, gathering information, recording observations and analysis of findings.

QUALIFICATION

✓ NCEA Level 2 all achievement standards.

COURSE DESCRIPTION

This course is for students who have an interest in Biology and are considering preparing for university, particularly a Life Science course. The course is academically challenging, with assessments that require strong comprehension and written communication skills. Content covered in this course will include genetic variation and change, investigating an ecological pattern, carrying out a biological investigation, analysing information presented to the public, adaptations of plants and animals to their way of life. Optional standards will cover cell structure and function, and preparation of biological material to view under a microscope.

The NCEA Biology Level 2 course leads to NCEA Level 3 Biology, Polytechnic Nursing, New Zealand Certificate of Science courses, Occupational Therapy, University Biology courses, Optometry, Medical Degree, Horticulture/ Agriculture fields, Veterinary Science, Veterinary Nursing.

ASSESSMENT

14 internal achievement standard credits with an optional **3 credit** internal assessment. **4 external credits** with an optional **4 credit** external assessment

There are a total of **8 UE writing credits** available in this course.

Level 3 (13BIO)**ENTRY RECOMMENDATIONS**

Completing Level 2 Biology is an advantage, but there is still option of taking Level 3 Biology. These decisions are made on a case-by-case basis.

QUALIFICATION

- ✓ NCEA Level 3 (UE Approved)

COURSE DESCRIPTION

This course is for students who have an interest in Biology and are considering preparing for university, particularly a Life Science course. The course is academically challenging, with assessments that require strong comprehension and written communication skills. Content covered in this course will include responses of plants and animals to their external environment, how animals maintain a stable internal environment, trends in human evolution, socio-scientific and a biological investigation issue.

The NCEA Biology Level 3 course leads to Polytechnic Nursing, New Zealand Certificate of Science courses, Occupational Therapy, University Biology courses, Optometry, Medical Degree, Horticulture/Agriculture fields, Veterinary Science, Veterinary Nursing.

ASSESSMENT

Level 3 Biology is made up of 3 internals worth **10 credits** and 2 externals standards worth **9 credits**.

There are a total of 13 UE Reading and **9 UE writing credits** available in this course.

SCIENCES

Chemistry

Level 2 (12CHE)

ENTRY RECOMMENDATIONS

It is strongly recommended that student gain an Achieved grade or higher in 92021: Demonstrate understanding of chemical reactions in context.

QUALIFICATION

Students with good NCEA Level 2 grades may choose to study Chemistry at NCEA Level 3. Chemistry is a pre-requisite for many jobs and Tertiary courses. It is seen as being very useful in areas such as Health, Agriculture, Manufacturing/Product Development, Chemical Engineering and Scientific Research.

COURSE DESCRIPTION

This course is for students who have an interest in science and are considering preparing for university. The course is an academically challenging course which offers practical and written assessments. We cover topics such as structure and bonding, acids, and base, and we learn new practical skills like observing redox reaction and titrations. This course leads to Level 3 Chemistry, teaching you concepts which will prepare you for tertiary studies.

ASSESSMENT

This course is made up of 4 internals (**13 credits**) and 2 externals (**9 credits**).

Level 3 (13CHE)**ENTRY RECOMMENDATIONS**

Achievement in one or more Level 2 external standards is an advantage. Entry to this course will be made by the HOD of science.

QUALIFICATION

- ✓ NCEA Level 3 (UE Approved)

COURSE DESCRIPTION

Level 3 Chemistry is designed to prepare students for tertiary level courses. The course follows on from Level 2 with familiar topics including structure and bonding, titrations and redox with some newer topics including organic chemistry and researching the effects of chemical process on society and the environment.

Studying Level 3 Chemistry may lead into other areas of study including: Agricultural Science, Veterinary Science, Health Science, Physical Education and Engineering qualifications. In previous years students have taken this course because they have seen the value or enjoyed Level 2 Chemistry and they can see there are many transferable skills like using evidence to support conclusions, problem solving and investigation skills.

ASSESSMENT

This course is made up of 4 internals (**13 credits**) and 2 externals (**10 credits**).

There are a total of 3 UE Reading and **3 UE writing credits** available in this course.

SCIENCES

Physics

Level 2 (12PHY)**ENTRY RECOMMENDATIONS**

Adequate performance in Year 11 Science and a good understanding of mathematics is an advantage.

QUALIFICATION

✓ NCEA Level 2

COURSE DESCRIPTION

The course aims to teach and develop the understanding of key ideas in Physics that can be found in machines and the inventions of our technological society. Topics covered are waves, mechanics, and electricity. The department is equipped to a high standard and students have plenty of opportunity to carry out experimental work with excellent resources. Students have used their Year 12 qualifications to go onto trades in Aviation, Electrical based technical fields, Engineering or Construction or continue on to Level 3 Physics.

ASSESSMENT

3 internal standards (**10 credits**) and 3 external standards (**16 credits**) are available. Students can choose the standards they complete - there is enough teaching time cover all standards.

Level 3 (13PHY)**ENTRY RECOMMENDATIONS**

Students should have completed NCEA Level 2 Physics and be studying Mathematics at Level 3.

QUALIFICATION

- ✓ NCEA Level 3 (UE Approved)

COURSE DESCRIPTION

Physics at Year 13 opens doors to a huge variety of courses, including the Health Sciences, Engineering, Geophysics and Energy Management. In fact, any field that involves the ability to think analytically and solve problems. Students have plenty of opportunities to work with excellent practical resources in a hardworking, supportive environment, where following your interest is encouraged.

Physics at NCEA Level 3 is a highly sought-after qualification, which leads to a huge variety of occupations such as Engineering, Medicine, Scientific Research, Teaching, Design and Computer Sciences. The skills that Level 3 Physics develops such as problem solving, using initiative, teamwork and communication are very desirable and transferable to many fields of employment, particularly in Engineering and the Health Sciences.

ASSESSMENT

There are 3 externals **(13 credits)** and 4 internals **(13 credits)** available. Student choice is encouraged, so there is an option for students to choose which standards they learn.

There are a total of **3 UE Reading credits** available in this course.

SCIENCES

Science

Level 1 (11SCI)**ENTRY RECOMMENDATIONS**

If you have made a solid effort in junior science, you will be prepared for a successful year in Year 11 Science. Taking Science is strongly encouraged as this subject can be difficult to pick up later and it teaches you skills that are required in a lot of future career options.

QUALIFICATION

- ✓ NCEA Level 1 Science (course endorsements are available).
- ✓ Year 11 Science will lead to senior Biology, Chemistry and Physics.

COURSE DESCRIPTION

In this course you will cover a range of different skills and you will be able to learn more science in many different contexts. This will enable you to have the ability to progress into the senior school. Some of the topics we will learn include investigation skills, how science effects society, how to understand and process scientific information to make informed decisions and a learning about genetic variation.

The big ideas we will be learning:

- Science uses different inquiry approaches to develop understanding.
- Science uses subject-specific literacy to communicate knowledge.
- Science based information can be used in decision making and action.
- Demonstrate understanding of genetic variation in relation to an identified characteristic.

ASSESSMENT

4 achievement standards will be assessed (**all 5 credits**). 2 are internally assessed and 2 will be assessed externally.

SOCIAL SCIENCES

Commerce

Level 1 (11COM)

ENTRY RECOMMENDATIONS

Students should be interested in training for a career in business, whether it be working in a large multinational company e.g., Tesla, or running your own small business e.g., Noah's Plumbing. Students should have a reasonable level of numeracy and literacy.

QUALIFICATION

- ✓ NCEA Level 1
- ✓ Literacy Standards 1.3 and 1.4

COURSE DESCRIPTION

The course teaches the learner to develop a toolkit which allows them to work through real-life financial problems relating to individual, whānau, and community financial wellbeing. Additionally, the course develops the learner's capacity to interpret financial and non-financial information which relates to the running of businesses (for example, accounting and business regulations). Lastly, the learner will develop the skills to analyse economic decisions and their potential impacts on communities and environments.

ASSESSMENT

2 internal achievement standards (**10 credits**),
1 external Achievement standard (**5 credits**), and
1 portfolio achievement standard (**5 credits**) assessed throughout the year.

SOCIAL SCIENCES

Accounting

Level 2 (12ACC)

COURSE DESCRIPTION

Students should have an interest in training for a career in business, whether it be working in a large multinational company e.g., Tesla, or running your own small business e.g., Noah's Plumbing. Ideally, students should have gained at least 12 credits in Level 1 Accounting, however new students can gain entry to Level 2 Accounting with the permission of the TIC of Commerce.

QUALIFICATION

- ✓ NCEA Level 2 (UE Approved)

Level 3 (13ACC)

ENTRY RECOMMENDATION

Students should have an interest in training for a career in business, whether it be working in a large multinational company e.g., Tesla, or running your own small business e.g., Noah's Plumbing. Additionally, Level 3 introduces learners to company analysis, where they evaluate buying shares in the New Zealand stock market. Ideally, students should have gained at least 12 credits in Level 2 Accounting, however new students can gain entry to Level 2 Accounting with the permission of the TIC of Commerce.

QUALIFICATION

- ✓ NCEA Level 3 (UE Approved)

COURSE DESCRIPTION

The course teaches the learner to process financial information and produce financial reports to assist in decision making required to manage a successful Partnership, Manufacturing Business and Company. In addition, the learners develop the analytical skills required to invest in the New Zealand stock market.

ASSESSMENT

4 internal achievement standards (**14 credits**) and 1 external achievement standards (**9 credits**).

ASSESSMENT

3 internal achievement standards (**13 credits**) and 2 external achievement standards (**10 credits**).

SOCIAL SCIENCES

Economics

Level 2 (12ECO)**ENTRY RECOMMENDATIONS**

Students should have an interest in training for a career in business, government, or education sector. Studying Economics teaches you to think critically about the important business and economic decisions in your life, to help you achieve your financial goals. Ideally, students should have gained at least 12 credits in Level 2 Economics, however new students can gain entry to Level 2 Accounting with the permission of the TIC of Commerce.

COURSE DESCRIPTION

The course primarily focuses on the macro economic topics of trade, price stability, employment, and monetary/fiscal policy.

ASSESSMENT

3 internal assessments
(14 credits) and 2 external
assessments **(8 credits)**.

QUALIFICATION

✓ NCEA Level 2 (UE Approved)

Level 3 (13ECO)**ENTRY RECOMMENDATIONS**

Students should have an interest in either studying a business degree at university or starting their own small business. Additionally, students may be interested in a career in the government sector or politics. Ideally, students should have gained at least 12 credits in Level 2 Accounting, however new students can gain entry to Level 2 Accounting with the permission of the TIC of Commerce.

COURSE DESCRIPTION

Students have an opportunity to unleash their inner entrepreneur and experience setting up and running their own business. Learners study innovation, marketing, and management. In addition, the course covers both a macro and micro economic topic to prepare the learners for the core economics paper in a business degree.

ASSESSMENT

2 internal assessments
(14 credits). This provides
the students with university
entrance in the subject.

1 internal assessment
(5 credits) and 1 External
assessment **(credits)** in
Economics.

QUALIFICATION

✓ NCEA Level 3

SOCIAL SCIENCES

Geography

Level 1 (11GEO)**ENTRY RECOMMENDATIONS**

Students who enjoy Geography are those who have an interest in the world around us and the impacts human actions have on our place. Geography students are encouraged to look at issues or landscapes from a variety of perspectives and explain the moving parts that make up life as we know it on this planet.

QUALIFICATION

✓ Contributes towards NCEA Level 1.

COURSE DESCRIPTION

Geographers are naturally inquisitive, they look to make sense of the natural and cultural world around them. They investigate local and global issues, interactions between people and the world they live in, natural processes that operate as well learning practical skills which will help when navigating through life. The Geography course aims to develop critical thinking and practical skills.

This Geography course will cover a range of topics. Students will come out at the end of the year with a better understanding of how natural processes work, this could include plate tectonics which create both earthquakes and volcanic eruptions in NZ and across the Pacific. Students will develop an understanding of weather elements and how/why they can vary from place to place. Geography is a practical subject. Throughout the year, students will explore a research topic, gathering and presenting data and explaining their findings. Level 1 Geography looks to unpack some of these issues and allow students the space to justify their chosen course of action to resolve these issues. All topics and content is covered from a Geographic lens, therefore mapping/graphing features and techniques will be integrated throughout the course.

ASSESSMENT

Students will be assessed across 4 achievement standards.

2 internal assessments
(5 credits each).

2 external assessments
(5 credits each).

Level 2 (12GEO)**ENTRY RECOMMENDATIONS**

Students should have an interest in unpacking world systems (both natural and cultural) and achieved their Level 1 qualification. Students can pick Level 2 Geography without having done Level 1 Geography, however, must show the Learning Area Leader that they have achieved in another literacy rich subject e.g. English, Science, PE.

QUALIFICATION

- ✓ NCEA Level 2 (UE Approved)

COURSE DESCRIPTION

Geographers look to make sense of the natural and cultural world around them. They look at local and global issues, interactions between people and the world they live in, natural processes that operate as well learning practical skills which will help when navigating through life. The Geography course aims to develop critical thinking and practical skills.

This course offers a range of topics which cover both natural and cultural Geography. In class, students will investigate a national geographic issue, explain the factors contributing to, and significance of a global pattern as well as completing field work in a local stream. External topics include using resources to display geographic skills (mapping/graphing skills) as well as explaining processes that form a natural environment. The course will develop critical thinking skills, investigation of people's perspectives as well as practical skills.

ASSESSMENT

2 externals (**8 credits**),
3 internals (**11 credits**)

There are **4 UE reading credits** available at Level 2.

Level 3 (13GEO)**ENTRY RECOMMENDATIONS**

Students should have an interest in unpacking world systems (both natural and cultural) and achieved their Level 2 qualification. Students can pick Level 3 Geography without having done Level 2 Geography, however, must show the HOD that they have achieved in another literacy rich subject e.g., English, Science, PE.

QUALIFICATION

- ✓ NCEA Level 3 (UE Approved)

COURSE DESCRIPTION

Geographers look to make sense of the natural and cultural world around them. They look at local and global issues, interactions between people and the world they live in, natural processes that operate as well learning practical skills which will help when navigating through life. Level 3 Geography is a UE subject which develops critical thinking and practical skills useful for future study, or to help you make your way in the world.

This course offers a range of topics which cover both natural and cultural Geography. In class, students will investigate a national geographic issue, explain the factors contributing to, and significance of a global pattern, planning and decision making within NZ planning laws, as well as completing field work. External topics include resource interpretation to demonstrate Geographic skills/knowledge and explaining the interacting natural processes that shape an environment. The course will develop critical thinking skills, investigation of people's perspectives as well as practical skills. It requires a good level of literacy skills.

ASSESSMENT

2 externals (**8 credits**),
4 internals (**14 credits**).

There are **17 UE reading credits** and **8 UE writing credits** available throughout this course.

SOCIAL SCIENCES

History

Level 1 (11HIS)**QUALIFICATION**

- ✓ Contributes towards NCEA Level 1.

COURSE DESCRIPTION

The past creates the present. Our modern world exists because of events that happened long before our time. Only by understanding those events can we know how we got here, and where to go next. To do this there are four Achievement standards that allow students to learn the process of undertaking thorough research to find out how events have changed the world. When you build your knowledge of history, you understand more about what created our present-day society. The research work offers students the choice to look at an event from the past that really interests them. Much of the research can be student-driven so that they can make their own choices about what they wish to study.

The second Internal Achievement Standard allows students to learn about the significance of a historical context with lots of guidance from the teacher. This might include looking at a conflict such as World War Two, issues involved in the Black Civil Rights movement or an event that has had importance to our own country in recent years. During the year we also learn to demonstrate understanding of historical concepts in contexts of significance to Aotearoa New Zealand and discover perspectives on a historical context that has been very important in our own past such as the 1981 Springbok Tour controversy that seriously divided our country.

ASSESSMENT

Students will be assessed across 4 achievement standards.

2 internal assessments
(5 credits each).

2 external assessments
(5 credits each).

Level 2 (12HIS)**ENTRY RECOMMENDATIONS**

Students should be interested in the past, but they can join the class without having taken History in Year 11. The students need to be aware that there is lots of reading involved and that the assessments require detailed written responses.

COURSE DESCRIPTION

The content covered within the course is flexible and allows for lots of student choice. In the past, we have studied the Causes and Consequences of World War One and the Russian Revolution, and the students have chosen and researched topics that have interested them. This allows for Internal credits and the information can be used in an essay in November in the External exam. There is also an External Standard that is based completely on Source Analysis. This suits many students as once the skills are learned then no revision is necessary.

 **ASSESSMENT**

3 internals (**14 credits**) and
2 externals (**9 credits**).

QUALIFICATION

- ✓ NCEA Level 2 (UE Approved).
It is possible to attain 5 reading and 5 writing credits which will give the student UE Literacy.

Level 3 (13HIS)**ENTRY RECOMMENDATIONS**

Students should be interested in the past, but they can join the class without having taken History in Year 11 and 12. The students need to be aware that there is lots of reading involved and that the assessments require detailed written responses.

COURSE DESCRIPTION

The content covered within the course is flexible and allows for lots of student choice. In the past, we have studied the perspectives associated with the Atomic Bombs in 1945, and the students have chosen and researched topics that have interested them. They can also write a report on this topic or complete one using other information instead. This allows for Internal credits and the information can be used in an essay in November in the External exam. There is also an External Standard that is based completely on Source Analysis. This suits many students as once the skills are learned then no revision is necessary.

 **ASSESSMENT**

3 internals (**15 credits**) and
2 externals (**10 credits**).

QUALIFICATION

- ✓ NCEA Level 3 (UE Approved).
It is possible to attain 5 reading and 5 writing credits which will give the student UE Literacy.

SOCIAL SCIENCES

Tourism

The Tourism industry is quickly returning to be one of New Zealand's biggest export industries. The industry directly and indirectly employs many people in NZ's workforce, and this is set to grow rapidly in the future. As a result, both Tourism courses have been specially designed for students who are interested in entering the tourism workforce, or further study.

Students who choose to study Tourism will develop the knowledge, skills, and personal attributes required for entry into junior level positions such as customer service assistants, sales consultants, food, and beverage attendants and more.

These courses also provide a foundation for students who want to go into further study in this area, whether it be at Queenstown Resort College, NZ School of Tourism, Universities or Polytech.

Level 2

(12TOU)

ENTRY RECOMMENDATIONS

An interest in the tourism industry is important.

COURSE DESCRIPTION

Students in Tourism look at several aspects within the tourism industry. They look at tourism businesses, what characteristics make a tourist, the impact of tourism on NZ and the world, and careers within the industry.

A laptop is strongly recommended for this course.

Students who achieve credits in Tourism will be able to:

- Apply basic customer service skills, using appropriate communication, literacy, and numeracy skills, to enhance the visitor experience.
- Apply knowledge of specific regions, and a broad operational knowledge of world geography in terms of characteristics relevant to tourists' needs.
- Apply 'best practice' processes in order to recognise the impacts of tourism on the country.

ASSESSMENT

All internal assessments.

18 credits are available at Level 2.

Course Endorsement is **not** available.

QUALIFICATION

- ✓ NCEA Level 2 (Not a UE approved subject currently).

Level 3 (13TOU)**ENTRY RECOMMENDATIONS**

An interest in the tourism industry is important.

Completion of the Level 2 Tourism course is recommended but not compulsory.

QUALIFICATION

- ✓ NCEA Level 3 (Not a UE approved subject)

COURSE DESCRIPTION

The Year 13 Tourism course has been designed to build upon the solid foundation laid in the Year 12 Tourism course. Students will look at tourist destinations across Australia, the Pacific and New Zealand. Students will also look at tourism promotion for a region of their choice in New Zealand.

A laptop is strongly recommended for this course.

Students who achieve credits in Level 3 Tourism can demonstrate:

- Knowledge of a variety of tourist destinations both within and beyond New Zealand.
- Knowledge of tourist characteristics and needs.
- Basic Numeracy, Literacy, and Digital Literacy skills.
- An understanding of how marketing and promotion is used within the Tourism industry.
- The course is also suitable for those students who did not study Tourism in Year 12, but who are interested in learning more about tourist destinations in the Pacific region.
- Apply 'best practice' processes in order to recognise the impacts of tourism on the country.

ASSESSMENT

All internal assessments.

23 credits are available at Level 3.

Course Endorsement is **not** available.

MATHEMATICS

Maths

Mathematics has a broad range of practical applications in everyday life, in other learning areas and in the workplace. By learning Mathematics, students develop important thinking skills. They learn to create models and predict outcomes, to conjecture, to justify and verify, to estimate and to calculate with precision. Mathematics equips students with the means to investigate, explain and make sense of the world in which they live.

Level 1 (11MAT)

ENTRY RECOMMENDATIONS

It is recommended that a student acquired at least a 5P or above in their latest E-astile assessment for the strands of Algebra and Number sense.

QUALIFICATION

✓ NCEA Level 1

COURSE DESCRIPTION

The focus of this course is to ensure students gain the skills and knowledge needed for Mathematics in a meaningful context. Students will be encouraged to develop a wide range of mathematical skills such as numeric, Algebraic, and geometric. This is an academic course that will prepare a student for further study in the mathematical and statistical curriculum.

ASSESSMENT

2 internal achievement standards (**10 credits**).

1 external achievement standard (**5 credits**).

Level 2 (12MAT)**ENTRY RECOMMENDATIONS**

This course builds on the Algebra aspect of the Level 1 course. We would encourage a student to have gained at least 10 internal Mathematics credits as well as attempting the externals.

QUALIFICATION

- ✓ NCEA Level 2

COURSE DESCRIPTION

This course builds on that of Level 1. The mathematical strands of Algebra, Graphs, Trigonometry, and Probability are all extended and further developed. Differential and integral calculus, a powerful mathematical tool, is introduced. Students are encouraged to process mathematical information in a structured manner, helping them to draw conclusions based on logic. This course establishes the basis for tertiary study in mathematics and statistics. This course leads on to Level 3 Calculus or Statistics.

 **ASSESSMENT**

4 internal achievement standards (**12 credits**).

2 external achievement standards (**9 credits**).

MATHEMATICS

Maths with Calculus

Level 3 (13MAC)**ENTRY RECOMMENDATIONS**

This course builds on the Algebra and Calculus aspects of the Level 2 MAT course. We would encourage a student to have gained at least 10 internal Mathematics credits as well as attempting the externals; Algebra (91261) and Calculus (91262).

QUALIFICATION

✓ NCEA Level 3 (UE Approved)

COURSE DESCRIPTION

This course allows students to develop and extend their abilities in algebraic, graphical and computation skills, to formulate and solve mathematical problems in terms as well as advancing students understanding of the mathematical reasoning processes. Differential and integral calculus skills are consolidated, developed, and extended, and the ability to use calculus to problem solve is taught. Students are also given the opportunity to explore the strands of Algebra, Trigonometry, Complex numbers, and geometry of conic sections up to Level 3 of the NCEA curriculum.

This course is best suited for those wishing to continue the study of mathematics beyond the secondary school level, it can be a support subject for students interested in studying physics, chemistry, engineering, finance, and health sciences at university.

ASSESSMENT

3 internal achievement standards (**8 credits**).

3 external achievement standards (**17 credits**).

MATHEMATICS

Maths with Statistics

Level 1 (11MAS)**ENTRY RECOMMENDATIONS**

It is recommended that a student acquired at least a 5P or above in their latest E-astile assessment for the strands of Probability and Statistics.

QUALIFICATION

✓ NCEA Level 1

COURSE DESCRIPTION

The focus of this course is to ensure students gain the skills and knowledge needed for Mathematics in a meaningful context. Students will be encouraged to develop a wide range of mathematical skills such as, numeric, measurement, Statistical and geometric. This course that will prepare a student for further study in the mathematical and statistical curriculum.

ASSESSMENT

2 internal achievement standards (**10 credits**).

1 external achievement standard (**5 credits**).

Level 2 (12MAS)**ENTRY RECOMMENDATIONS**

This course builds on the Statistics and Probability aspect of the Level 1 course. We would encourage a student to have gained at least 10 internal mathematics credits as well as attempting the externals.

QUALIFICATION

✓ NCEA Level 2

COURSE DESCRIPTION

This course has more of a bias towards statistics and probability and also covers more practical real life situations involving Trigonometry and networks. This course has a combination of mathematics and statistics papers. It allows students to further develop their understanding of mathematical and statistical concepts. Most of the achievement standards will be internally assessed. Students must be prepared to tackle the increased level of mathematical understanding required.

ASSESSMENT

5 internal achievement standards (**13 credits**).

1 external achievement standards (**4 credits**).

Level 3 (13 MAS)**ENTRY RECOMMENDATIONS**

This course builds on the Statistical and Probability aspects of the Level 2 MAS course. We would encourage a student to have gained at least 10 internal mathematics credits as well as attempting the external; Probability (91267).

QUALIFICATION

✓ NCEA Level 3

COURSE DESCRIPTION

This course deals with the collection, analysis and interpretation of data and includes many practical applications. It is intended for students who require an understanding of the statistical processes and probabilities in their chosen career. This course is for students who need mathematics and is interested in the quantitative aspects of statistics to support their studies in biological health and social sciences, commerce, and any field where the collection and interpretation of qualitative data is important.

ASSESSMENT

3 internal achievement standards (**10 credits**).

2 external achievement standards (**8 credits**).

PHYSICAL EDUCATION

Outdoor Recreation

Outdoor Recreation uses outdoor contexts such as Mountain Biking, Tramping, Camping, Skiing/ Snowboarding, High Ropes, Rock Climbing and Abseiling, to learn key interpersonal skills and consider how this impacts the individual and the wider group.



Level 2 (12ORC)

ENTRY RECOMMENDATIONS

No entry requirements.

QUALIFICATION

- ✓ NCEA Level 2 (course endorsement not available as a combination of unit and achievement standards).

COURSE DESCRIPTION

This course is a chance to have new and varied experiences in Southland and Otago. A committed and positive attitude is required to complete this course. This course will require you to be away from school for up to a total of 10 days, on a combination of day trips and camps. The classroom work is focused on developing the skills and knowledge to be able to participate safely and effectively in the practical activities that students will be doing during field trips. Practical work will not only focus on developing the skills associated with a variety of activities, but also looks at how you can most effectively pass these skills on to others.

ASSESSMENT

This course is fully internal. There are 3 achievement standards on offer, (worth **10 credits** and 9-unit standards on offer worth **18 credits**). This is subject to change and dependant on the cohort.

PHYSICAL EDUCATION

Physical Education

Senior Physical Education offers a wide range of learning experiences. Learning takes place in both theory and practical environments, e.g., classroom, gym, coaching, surfing, competing in an event, snow camp. These challenging environments allow student to grow and develop their sense of Hauora. Senior courses are fully internally assessed.

Level 1 (11PED)

ENTRY RECOMMENDATIONS

No entry requirements, however a good track record of participation and being organised with gear in Year 10 is expected.

QUALIFICATION

✓ NCEA Level 1

COURSE DESCRIPTION

This program is both a theory and practical course. Movement is assessed by applying movement strategies e.g., tactics in an applied setting through Pickleball. Students will develop an in-depth understanding of well-being Hauora and other relevant well-being models in the context of physical activity. Students will participate in at least three new/diverse movement experiences and reflect on Hauora. Contexts to be confirmed e.g., a water-based activity, high ropes, skate boarding, ice skating/curling.

ASSESSMENT

Four achievement standards in total each worth **5 credits**.

Two internally assessed, two externally assessed in the form of a portfolio.

Level 2 (12PED)**ENTRY RECOMMENDATIONS**

No entry requirements, however Level 1 Physical Education is highly recommended and/or achievement in a literacy rich subject.

QUALIFICATION

✓ NCEA Level 2

COURSE DESCRIPTION

This program includes understanding and evaluating a training program, completing research on a current event or exercise trend. Taking part in a challenging activity and considering the implications for EOTC. Looking at life-long well-being and the impact of this over time. Each year the year 13 students train and take part in an event, this is done in conjunction with the year 12 class. Events are completed on alternate years for example 2024 local running event, 2025 will be a triathlon.

ASSESSMENT

This course is fully internal. There are 5 achievement standards on offer, worth **20 credits**.

This is subject to change and dependant on the cohort.

Level 3 (13PED)**ENTRY RECOMMENDATIONS**

No entry requirements, however Level 2 Physical Education is highly recommended and/or achievement in a literacy rich subject.

QUALIFICATION

✓ NCEA Level 3

COURSE DESCRIPTION

This program includes understanding and evaluating a training program, and completing research on a current event or exercise trend. Taking part in a challenging activity e.g. Surfing and considering the implications for EOTC. Looking at life-long well-being and the impact of this over time. Each year the Year 13 students train and take part in an event, this is done in conjunction with the Year 12 class. Events are completed on alternate years, for example a local triathlon in 2024, with a local running event in 2025.

ASSESSMENT

This course is fully internal. There are 5 achievement standards on offer, worth **19 credits**.

This is subject to change and dependant on the cohort.

HEALTH STUDIES

Health Studies

Senior Health is a theory-based course. It focuses on three key learning areas, Food and Nutrition, Mental Health and Relationships and Sexuality through the lens of Hauora.

Level 1 (11HEA)

ENTRY RECOMMENDATIONS

No entry requirements.

QUALIFICATION

✓ NCEA Level 1

COURSE DESCRIPTION

This program of learning will give students the opportunity to develop further understanding of Aotearoa New Zealand as a bicultural nation, with diverse viewpoints on hauora, health, and wellbeing. Topics covered include promoting positive sexuality, cooking for Whanau/tikanga around food, managing stressful situations, making positive decisions around drugs and alcohol, and building healthy relationships.

ASSESSMENT

Four achievement standards in total each worth **5 credits**. Two internally assessed, two externally assessed. One external is a submitted report, and one is an examination at the end of the year.

Level 2 (12HEA)**ENTRY RECOMMENDATIONS**

No entry requirements.

QUALIFICATION

✓ NCEA Level 2 Health

COURSE DESCRIPTION

Students study adolescent health issues and problems faced during conflict in a variety of contexts. The skills students will gain include critical thinking, making decisions, working in groups with organisations outside of school. We work through key aspects of health, focusing on Hauora and attitudes and values and the socio-ecological perspective.

ASSESSMENT

Four achievement standards in total each worth 5 credits. Three internally assessed, and one externally assessed via the end of year NCEA examination.

SOFT TECHNOLOGY

Hospitality and Service



Level 2 (12HSI)

COURSE DESCRIPTION

All work for this programme is internally assessed. The course is based on the Hospitality Standards Industry units gaining credits towards the Foundation Certificate in Cookery. The course enables students to work at their own pace aiming to cover at least eight units throughout the year. Students taking this course in Year 12 can continue working towards Hospitality Units in Year 13. These units have recognition throughout the hospitality industry and can be credited towards NCEA Level 2.

All food for the practical outcomes is provided. All students will be expected to make and taste all practical food outcomes taking into account any individual specific dietary requirements.

QUALIFICATION

✓ NCEA Level 2

 **ASSESSMENT**

18 credits over 8 Service IQ
Hospitality Standards

Level 3 (13HSI)**COURSE DESCRIPTION**

This course has been designed to prepare students for working in the Food Industry. Both industry and NZQA Unit Standards are offered to ensure a balanced programme is delivered. There is a balance of both written and practical assessment opportunities. These units are deemed essential to student's learning in this area. All food for the practical outcomes is provided. All students will be expected to make and taste all practical food related outcomes taking into account any individual specific dietary requirements. This course leads to opportunities in the food industry, Chef, Hotel hospitality, Nanny, Life skills, Barista and Café Assistant.

QUALIFICATION

✓ NCEA Level 3

 **ASSESSMENT**

19 credits over 5 Service IQ
Hospitality Standards.

SOFT TECHNOLOGY

Technology Fabric

An opportunity for students to use their creative, practical, and analytical attributes, while using an open initial brief to produce a prototype that is fit for purpose.



Level 1-3 (TEF)

ENTRY RECOMMENDATIONS

Previous knowledge would be beneficial but not compulsory.

QUALIFICATION

✓ NCEA Level 1-3

COURSE DESCRIPTION

This course focuses on enhancing students' technological processes, product analysis, time management, and independence. It emphasizes practical skills, including sewing techniques and product design. Students are encouraged to confidently use various methods to meet requirements and solve problems.

The course also provides opportunities to develop creativity and refine a wide range of skills.

ASSESSMENT

Approx. 4 internals (**20 credits**). External units available and optional.

SOFT TECHNOLOGY

Culinary Design

Level 1 (11CLD)

Culinary Design aims to provide students with a comprehensive understanding of food science, nutrition, culinary techniques, and food safety. Students will explore the principles and practices involved in food preparation, preservation, and presentation. Through practical experiences and theoretical knowledge, students will develop skills in recipe development, menu planning, and evaluating food quality. This course also emphasizes the importance of sustainability, cultural diversity, and ethical considerations in the food industry.

QUALIFICATION

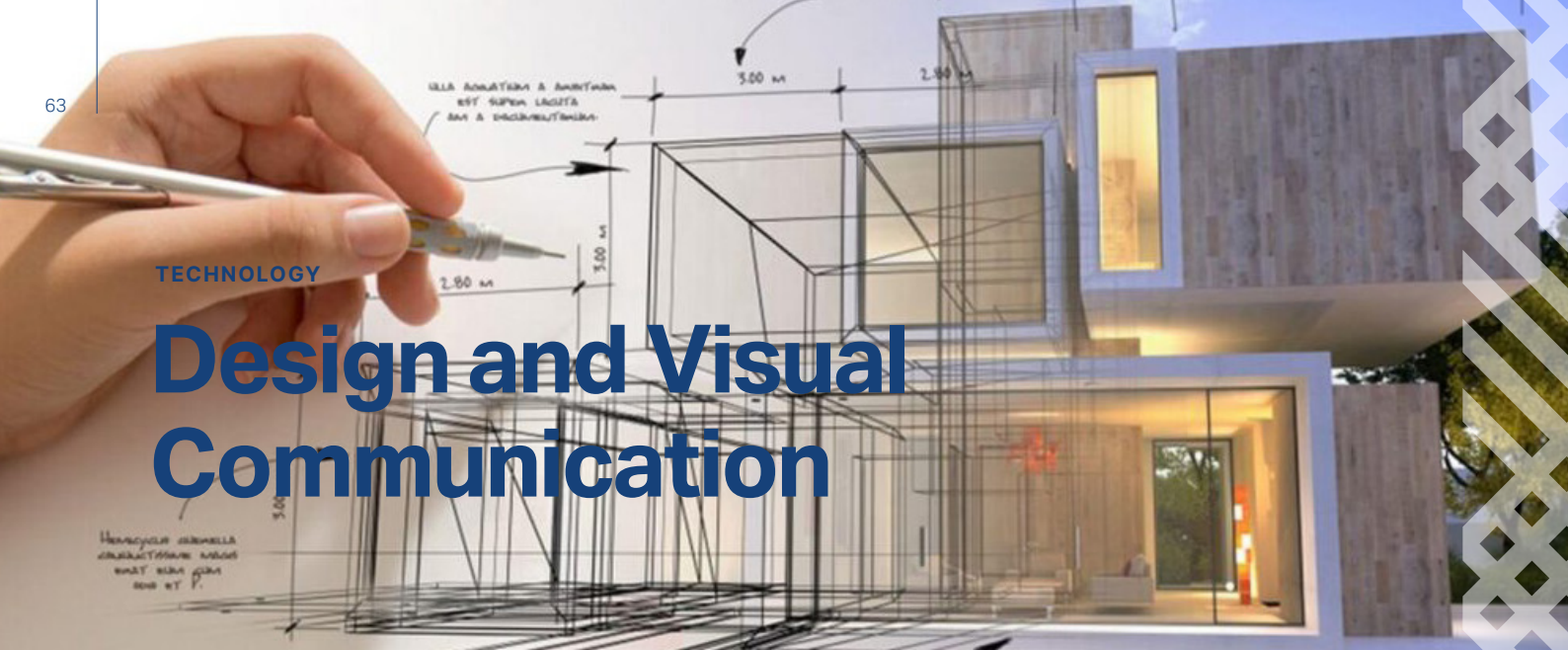
✓ NCEA Level 1

ASSESSMENT

Four assessment units **(20 credits)**. Some unit standards will be available for assessment too.

TECHNOLOGY

Design and Visual Communication



Level 1 (11DVC)

ENTRY RECOMMENDATIONS

Some experience in Y9 or Y10 DVC recommended.

QUALIFICATION

✓ NCEA Level 1

COURSE DESCRIPTION

Design and Visual Communication is a creative course for students interested in designing. It builds on knowledge already gained in previous levels and uses the design process to gather information and create solutions with innovation being encouraged. Related occupations e.g., Architect, Surveyor, Product Design, Media Design, Landscape Architect and Interior Designer, Building, Engineering and Allied Trades, etc.

ASSESSMENT

Internal-based assessment.
20 credits available through internal achievement standards.

Level 2 (12DVC)**ENTRY RECOMMENDATIONS**

It is highly recommended that students have taken DVC at Level 1, or alternatively another technology course at Level 1.

QUALIFICATION

- ✓ NCEA Level 2

COURSE DESCRIPTION

Students build on their knowledge from Level 1 DVC. They will undertake both a spatial and product design project in which they investigate the problem/issue and create designs to meet the brief. They are required to use the design process which allows them to research, analyse existing designs, create their own designs, and develop a chosen design into their final design. Students will investigate previous designs/designers to help to influence their own design thinking as well as develop ideation skills to create new ideas.

ASSESSMENT

There are no exams in Level 2 DVC. Majority of the work is marked internally with a portfolio being sent away for external marking at the end of the year.

Level 3 (13DVC)**ENTRY RECOMMENDATIONS**

It is highly recommended that students have taken DVC at Level 2, or alternatively another technology course at Level 2.

QUALIFICATION

- ✓ NCEA Level 3

COURSE DESCRIPTION

Students build on their knowledge from Level 2 DVC. They will undertake both a spatial and product design project in which they investigate the problem/issue and create designs to meet the brief. They are required to use the design process which allows them to research, analyse existing designs, create their own designs, and develop a chosen design into their final design. Students will investigate previous designs/designers to help to influence their own design thinking as well as develop ideation skills to create new ideas.

ASSESSMENT

There are no exams in Level 3 DVC. Majority of the work is marked internally with a portfolio being sent away for external marking at the end of the year.

TECHNOLOGY

Digital Technology

Students will develop their design skills and create several digital outcomes, learning to produce multimedia products and integrate various digital media. They will expand their knowledge of industry-standard Adobe software, including Photoshop, Illustrator, InDesign, and Dreamweaver, as well as software for web page coding. Digital Technology provides a strong foundation in research, design, problem-solving, and computer skills, complementing tertiary studies in Computer Science, Information Science, Business, Engineering, and personal projects.

Level 1 (11TED)

QUALIFICATION

- ✓ NCEA Level 1

COURSE DESCRIPTION

This is a hands on/creative course that will give you a basic introduction to the power of computer technology. The course combines creativity with technology to communicate ideas and information in an attractive, clear, and concise way. It will develop your design and computer skills in the production of a wide variety of technological outcomes. Examples of commonly used software in the course are: Notepad (for webpage coding), MS Word, Photoshop, Illustrator, and InDesign.

ASSESSMENT

Internal-based assessment.
20 credits available through internal achievement standards.

Level 2 (12TED)**ENTRY RECOMMENDATIONS**

It is highly recommended that students have taken Digital Technology at Level 1, or alternatively another technology course at Level 1.

QUALIFICATION

✓ NCEA Level 2

COURSE DESCRIPTION

Students will develop a project from investigating the given context. From this they will research, design, get feedback, and develop a digital outcome. Digital outcomes can be either digital media (videos, posters etc), website coding, or game coding.

ASSESSMENT

There are several achievement standards and unit standards on offer, worth approximately **18 – 22 credits**. This is subject to change and dependant on the cohort.

Level 3 (13TED)**ENTRY RECOMMENDATIONS**

It is highly recommended that students have taken Digital Technology at Level 1, or alternatively another technology course at Level 1.

QUALIFICATION

✓ NCEA Level 3

COURSE DESCRIPTION

Students will develop a project from investigating the given context. From this they will research, design, get feedback, and develop a digital outcome. Digital outcomes can be either digital media (videos, posters etc), website coding, or game coding.

ASSESSMENT

There are several achievement standards and unit standards on offer, worth approximately **18 – 22 credits**. This is subject to change and dependant on the cohort.

TECHNOLOGY

Technology Metal



Level 1 (11TEM)

ENTRY RECOMMENDATIONS

Some workshop experience in Y9 or Y10 recommended.

QUALIFICATION

✓ NCEA Level 1

COURSE DESCRIPTION

This course is based around students designing and making practical projects. Students will make specified projects that will develop skills as well as designing an outcome to solve a problem. The main material will be metal, but other materials may be used to enhance the final outcomes.

ASSESSMENT

Internal-based assessment.
20 credits available through internal achievement standards.

Level 2 (12TEM)**ENTRY RECOMMENDATIONS**

It is highly recommended that students have taken Technology Metal at Level 1, or alternatively another technology course at Level 1.

QUALIFICATION

✓ NCEA Level 2

COURSE DESCRIPTION

There is no end of year examination, as assessments are internal and carried out during the year. This course is based around students making practical projects that will focus on skill development. Students will make specified projects that will teach these skills. The main material will be metal, but other materials may be used to enhance the final outcomes.

ASSESSMENT

There are several achievement standards and unit standards on offer, worth approximately **18 – 22 credits**. This is subject to change and dependant on the cohort.

COST

\$125.00 to cover materials and consumables used during the year.

Level 3 (13TEM)**ENTRY RECOMMENDATIONS**

It is highly recommended that students have taken Metal Technology at Level 2, or alternatively another technology course at Level 2.

QUALIFICATION

✓ NCEA Level 3

COURSE DESCRIPTION

The Hard Materials department has some of the most cutting edge, modern CNC machinery in any Southland school so expect to be able to design on your device and have machinery such as CNC routers, 3D printers and laser cutters make some aspects of your finished practical work. This is the way a lot of industry is heading so will give you a great foundational knowledge of CAD/CAM operations. The completion of paperwork is an essential element at this level of Technology courses. Students are expected to be motivated with good project management skills. A previous Senior Technology course completion is required at this level of study and entry into this course. Student numbers will determine the specialised classes available.

ASSESSMENT

There are several achievement standards and unit standards on offer, worth approximately **18 – 22 credits**. This is subject to change and dependant on the cohort.

COST

\$125.00 to cover materials and consumables used during the year.

TECHNOLOGY

Construction

Level 2 (12CON)**ENTRY RECOMMENDATIONS**

It is highly recommended that students have taken Technology Wood or another technology course at Level 1.

QUALIFICATION

- ✓ NCEA Level 2

COURSE DESCRIPTION

Develop your skills and knowledge to work in the building and construction industry. This course is designed for students who have an interest in building and will cover knowledge and skills relevant to construction. This will involve a series of projects which will develop practical skills and teamwork. Students will work with an expert in the building trade, if you have an interest in building or construction then this course will be a great stepping stone into an apprenticeship. The course may cover topics like:

- **Construction Management:** This involves understanding project planning, scheduling, budgeting, and resource management. Students learn how to oversee construction projects efficiently and effectively.
- **Building Materials and Techniques:** Courses often cover the types of materials used in construction, their properties, and appropriate applications. This includes understanding structural systems and building methods.
- **Health and Safety:** Safety is paramount in construction. Courses cover regulations, best practices, and risk management to ensure a safe working environment.

ASSESSMENT

This course is fully internal. There are several achievement standards and unit standards on offer, worth approximately 18 – 22. This is subject to change and dependant on the cohort.

TECHNOLOGY

Technology Wood

Level 1 (11TEW)

ENTRY RECOMMENDATIONS

Some workshop experience from Y9 or 10 recommended

QUALIFICATION

✓ NCEA Level 1

COURSE DESCRIPTION

This course is based around students making practical solutions to meet and answer needs and opportunities that will be given to them. The main material will be wood, but other materials may be used to enhance the final outcomes, in fact it would be encouraged to add detail and contrast. There are no end of year examinations, as assessments are completed throughout the year. Students learn that as well as making products, they will be required to research, design, and develop their ideas.

ASSESSMENT

Internal-based assessment.
20 credits available through internal achievement standards.

Level 2 (12TEW)**ENTRY RECOMMENDATIONS**

It is highly recommended that students have taken Technology Wood or another technology course at Level 1.

QUALIFICATION

✓ NCEA Level 2

COURSE DESCRIPTION

This course is based around students making practical solutions. The main material will be wood, but other materials may be used to enhance the final outcomes. There is no end of year examination, as assessments are carried out during the year. The Technology Wood department now has some of the most cutting edge, modern CNC machinery in any Southland school so expect to be able to design on your device and have machinery such as CNC routers, 3D printers and laser cutters make some aspects of your finished practical work. This is the way a lot of industry is heading so will give you a great foundational knowledge of CAD/CAM operations.

Due to the Technology curriculum requirements within Hard Materials, students are advised to only take either Technology Wood or Technology Metal, not both (unless express permission is given by the Learning Area Leader, or you are thinking of further employment in a manual trade).

ASSESSMENT

There are several achievement standards and unit standards on offer, worth approximately **18 – 22 credits**. This is subject to change and dependant on the cohort.

Level 3 (13TEW)**ENTRY RECOMMENDATIONS**

It is highly recommended that students have taken Technology Wood or Technology Metal at Level 2 as the students are expected to have a very good grasp of manufacturing techniques.

QUALIFICATION

✓ NCEA Level 3

COURSE DESCRIPTION

This course is based around students making practical solutions. The main material will be either wood or metal, but other materials may be used to enhance the final outcomes. There is no end of year examination, as assessments are carried out during the year. The Technology Hard Materials department has some of the most cutting edge, modern CNC machinery in any Southland school so expects to be able to design on your device and have machinery such as CNC routers, 3D printers and laser cutters make some aspects of your finished practical work. This is the way a lot of industry is heading so will give you a great foundational knowledge of CAD/CAM operations.

ASSESSMENT

There are several achievement standards and unit standards on offer, worth approximately **18 – 22 credits**. This is subject to change and dependant on the cohort.

21st Century Learning and BYOD

USING TECHNOLOGY TO ENHANCE AND ENABLE LEARNING

At Māruawai College we believe in allowing students to become connected learners for life. ICT allows greater collaboration, personalised delivery of curriculum, and many other opportunities to enhance teaching and learning for our students.

Students at all year levels will use devices in class for their learning. In the same way that students come to school and attend lessons in a classroom, with a teacher in front of them, we also use an online platform called Microsoft Teams for day-to-day activities. This is our online forum for communication, administration, making pastoral connections and learning.

PURCHASING A DEVICE

We want all students to have access to their own device. If you cannot afford a device at this time, please contact the school to talk about how we can help provide your child with their own device.

DEVICE SPECIFICATIONS

- Windows 11 (preferred operating system) or 10
- 8GB of RAM minimum
- 128GB SSD storage recommended, 256GB recommended
- A minimum of 6-hour battery life
- Laptop case or cover recommended



GENERAL ENQUIRIES

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