GOLDEN BAY HIGH SCHOOL

Ake ake kia kaha

SENIOR SCHOOL COURSE INFORMATION FOR 2024

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GENERAL INFORMATION

NCEA Level 1

From 2024 Year 11 students will be sitting the new NCEA Level 1 and while there will be a number of changes to individual subjects the students will still only select 3 subjects to study in addition to courses of English, Mathematics and Science.

New requirements for NCEA Level 1

- A minimum of 60 credits at Level 1 or above from Achievement Standards and/or Unit Standards.
- Students will also need to gain Literacy and Numeracy which they may attain in one of three ways:
  - Have already achieved it as Year 10s in 2023
  - Achieve the co-requisite Literacy and Numeracy assessments
  - For 2024 and 2025 certain Standards will also count for Literacy and Numeracy (indicated in each subject table)

NCEA Level 2

Students will be making 6 selections based upon their chosen vocational pathway(s) or if unsure, maintaining a broad based set of courses, to provide further choice in the future. Students considering University should be mindful that University Entrance has specific requirements as outlined in the section on University Entrance below.

Requirements for NCEA Level 2

- Literacy and Numeracy requirement – Candidates must have met the following:
  - Literacy Requirement – a minimum of 10 Credits from approved Standards
  - Numeracy Requirement – a minimum of 10 Credits from approved Standards
- A minimum of 80 Credits, of which a minimum of 60 Credits are at Level 2 or above, from Achievement Standards and/or Unit Standards

NCEA Level 3

Students will be making 5 selections based upon their chosen vocational pathway(s) or if unsure, maintaining a broad based set of courses, to provide further choice in the future.

If you are contemplating going to University in 2023 you will be expected to take at least **4 UE approved subjects** and you should seek information about specific course entry requirements from the Universities. See information about University Entrance qualification.

Requirements for NCEA Level 3

- A minimum of 80 Credits at Level 2 or above, of which a minimum of 60 Credits are at Level 3 or above, from Achievement Standards and/or Unit Standards and Level 1 Numeracy and Literacy requirements.

Merit and Excellence Endorsements

- A Merit endorsement at any Level requires you to achieve a minimum of 50 Credits with Merit, or a combination of Merit and Excellence at the Level you are studying or above.
- An Excellence endorsement at any Level requires you to achieve a minimum of 50 Credits with Excellence at the Level you are studying or above.

Course Endorsements

- Students can receive a course endorsement at Merit and Excellence Level provided they have achieved 14 Credits or more at Merit or Excellence of which at least 3 credits are from externally assessed Standards and 3 are from internally assessed Standards in a single school year.

University Entrance (UE)

University Entrance (UE) is the minimum requirement to go to a New Zealand University. To be awarded UE you will need:

- NCEA Level 3.
  - 14 Credits at Level 3 in each of three agreed approved subjects (details here)
- Literacy – 10 Credits at Level 2 or above made up of:
  - 5 Credits in Reading.
  - 5 Credits in Writing.
- Numeracy:
  - 10 credits at Level 1 or above
  - Achievement Standards – specified Achievement Standards available through a range of subjects, or:
  - Unit Standards – package of three numeracy Unit Standards (26623, 26626, and 26627 – all three required).

Once you have met the requirements for University Entrance it will appear on your Record of Achievement.

Vocational Pathways

These pathways help you see how your learning and achievement will be valued in the 'real world' when you look for a job and start a career.

A Vocational Pathways Award means that you have developed skills, and achieved in areas that employers' value, and that you have skills and knowledge that relevant for their industries.

There are 6 Vocational Pathways:

- Construction and Infrastructure **(C & I)**
- Manufacturing and Technology **(M & T)**
- Primary Industries **(PI)**
- Service Industries **(SI)**
- Social and Community Services **(S & CS)**
- Creative Industries **(CI)**

Many Standards in our courses can be linked to a Pathway and are indicated by the above abbreviations in the course table.

To achieve a Vocational Pathways Award students must:

- Gain NCEA level 2 including NCEA Numeracy and Literacy Requirements
- Attain a minimum of 60 Level 2 credits from recommended Standards within the same pathway sector, with at least 20 of those being sector related.

You can use the Vocational Pathways to see where and how your learning relates to study options and employment opportunities. Visit the web site below to find out more:

https://youthguarantee.education.govt.nz/initiatives/vocational-pathways/

AQUACULTURE

Level 2 and 3

Entry Recommendations: None, but places are limited and preference will be given to those that have an interest in Aquaculture as a future career. The Aquaculture course is intended to appeal to a wide range of students with varying goals and academic abilities. Individual programmes for each student are a strong possibility so self-motivation and the ability to work independently are essential.

Future Pathways: Aquaculture, fishing and related industries are major employers in Golden Bay and the top of the South Island. The Aquaculture course aims to provide multiple career pathways for students that are interested in the salmon or mussel industries, and those who intend to study aquaculture at the tertiary level.

Course description: The Aquaculture course includes a selection of Unit and Achievement Standards that are taken from different subject areas, but assessed in an aquaculture context. There will be a combination of classroom-based activities, and the opportunity for students to carry out practical investigations in co-operation with local aquaculture operators. Senior students may take aquaculture in Year 12 or Year 13, as the achievement and unit Standards offered below are at levels two through four.

Course costs: The Golden Bay High School Aquaculture course is partially funded through the generous support of the Marine Farming Association, and local businesses.

The course will be assessed using a selection from the following Standards. *(Further Standards are possible by negotiation according to individual student requirements. Standards marked with an asterisk* may require additional fee to an external provider). This course does not offer endorsement.*

Standard	*Title of Standards*	*Internal/ External*	*UE Reading/ Writing*	*Credit Value*	*Vocational Pathways*					
					C&I	M&T	PI	SI	S&CS	CI
AS91154	Analyse the biological validity of information presented to the public	Internal	N/A	4			•		•	
AS 91153	Carry out a practical investigation in a biology context, with supervision	Internal	N/A	4		•	•	•	•	
US16338	Outline how New Zealand Greenshell mussel spat (kutai, kuku) are obtained and used	Internal	N/A	5						
US26542	Coast Guard Day Skipper Certificate *	Internal		6						
AS91354	Undertake brief development to address an issue	Internal	N/A	4				•		
US19491	Maritime VHF Radio Operators Certificate *	Internal	N/A	3						
US16340	Describe the biology of the New Zealand Greenshell Mussel (kutai, kuku)	Internal	N/A	5						
US19851	Describe the biology of a fin fish	Internal	N/A	5						
AS91686	Conduct an inquiry into the use of organisms to meet future needs	Internal	N/A	4						
AS91869	Analyse future proofing strategies to ensure long term viability of a business	Internal	Reading	4						

Note: In the event that too few students choose Aquaculture to make the class viable as a standalone course, selected Standards may be completed as part of a gateway programme.

CORRESPONDENCE COURSES (Te Kura)

Prerequisites: In exceptional circumstances, a course of study by correspondence may be an option. You will first need to consult your Dean and the Te Kura coordinator (Ms Robbie). If it is agreed that a correspondence course is a viable option there will be a meeting between the student, whānau and the Principal before it is approved.

Access to courses: All NCEA students will access their course materials online through the OTLE (Online Teaching and Learning Environment). Printed material will not be available for students at any NCEA level, including gifted and talented students and international fee-paying students.

Students will need to download their work from the OTLE and work in a digital environment. Clear instructions will be provided within each course in the OTLE. Students must have their own digital device that they can bring to school and use when they are working on their correspondence work. Wherever possible, students are encouraged to return work online through each course's online dropbox. This means feedback can be given quickly while the learning is still fresh in the student's mind. Posting the work is no longer the accepted way of sending work.

Subjects normally available at GBHS are mostly available on correspondence. If a course cannot run at school because there are insufficient students it may be possible to do the course on correspondence.

Conditions of work: 7-8 periods per fortnight are allocated on the timetable for students to complete their correspondence work, but they will need to do at least two hours per week of homework. Students will be withdrawn from their correspondence if they do not hand in work punctually.

DIGITAL TECHNOLOGIES

Level 1 Digital Technologies

***Entry Recommendations**:* An interest in existing and emerging technologies within software programming or digital media.

Future Pathways: Digital Technology may continue through Levels 2 and 3 through Te Kura, for those students who wish to extend themselves. Vocations are available in computer programing, animation, graphic design, game development, web development or project management. The skills and attributes acquired through Digital Technologies will also prepare ākonga for related fields such as business or communications.

Course description: Digital Technologies focuses on building ākonga capability to apply technological ideas within a digital environment. This course covers learning under the domains of software programming or digital media. As they study, ākonga will develop computational thinking skills and the ability to design and develop digital outcomes. They will learn about the digital design and development processes used to create, test, and evaluate digital outcomes. Ākonga will practise manaakitanga as they learn to prioritise users in the outcomes that they develop, and understand how Digital Technologies outcomes impact on the people who use them.

The course will be assessed using the following Standards:

Standard	*Title of Standards*	*Internal/ External*	*Literacy/ Numeracy*	*Credit Value*	*Vocational Pathways*					
					C&I	M&T	PI	SI	S&CS	CI
AS 92007	Design a digital technologies outcome (1.4)	External	N/A	5	•	•	•	•	•	•
AS 92006	Demonstrate understanding of usability in human computer interfaces (1.3)	External	N/A	5	•	•	•	•	•	•
The teacher will choose one of the following assessment based on the makeup of the students in the class										
AS 92005	Develop a digital technologies outcome (1.2)	Internal	N/A	5	•	•	•	•	•	•
AS 92004	Develop a computer program (1.1)	Internal	N/A	5	•	•	•	•	•	•

ENGLISH

English is about the making and creating of meaning. Learning English encompasses learning the language, learning through the language, and learning about the language using a variety of text types. It is also the pathway to a variety of career options. The ability to communicate clearly in a variety of ways plus to think critically are important skills if students are to be successful in whatever path they follow upon leaving school.

Understanding, using, and creating oral, written, and visual texts of increasing complexity is at the heart of English teaching and learning. By engaging with text-based activities, students become increasingly skilled and sophisticated speakers and listeners, writers and readers, presenters and viewers.

Level 1 English

***Entry Recommendations**:* Nil (although in order to gain an Achieved in Level 1 English you need to be working at National Curriculum Level 6 and above).

Future Pathways: Level 1 English is the introductory course, which sets the foundation for students' achievement in the senior school. Students should take the full year course.

Course description: Students engage in learning to develop their skills in creative and formal writing, oral presentation, film, novel or drama analysis as well as developing their interpretive reading strategies. Students are expected to sit a minimum of one external assessment, as this will allow them to achieve a course endorsement.

- ***All assessment Standards may be used to gain the 10 Literacy credits required to pass Level 1.***
- ***Some students will also need to sit the Literacy Common Assessment task to gain literacy.***
- ***It is the aim of the English department to create courses that respond to the needs and interests of individual students.***

The course is assessed using the following Standards:

Standard	*Title of Standards*	*Internal/ External*	*Literacy/ Numeracy*	*Credit Value*	*Vocational Pathways*					
					C&I	M&T	PI	SI	S&CS	CI
AS 91924	Demonstrate understanding of how context shapes verbal language use.	Internal	Literacy	5	•	•	•	•	•	•
AS 91925	Demonstrate understanding of specific aspects of studied text.	Internal	Literacy	5	•	•	•	•	•	•
AS 91927	Demonstrate understanding of significant aspects of unfamiliar texts.	External	Literacy	5	•	•	•	•	•	•
US 32403 Co-requisite (selected students only)	Reading texts to understand ideas and information.	External	Literacy	5	•	•	•	•	•	•
US 32405 Co-requisite (selected students only)	Write texts to communicate ideas and information.	External	Literacy	5	•	•	•	•	•	•

Level 2 English

English is not a compulsory subject, however it is strongly advised you take Level 2 if you are contemplating tertiary study in the future.

Entry Recommendations: At least 14 credits in Level 1 English. It is desirable that students have achieved Merit and Excellence grades (including at least 4 **external** credits at Level 1). If a student does not meet the recommendations and wants to take this subject, then a whānau hui with the Head of Learning Area will be arranged.

Future Pathways: Year 12 English helps to establish an introductory foundation to essential writing and critical thinking skills. These skills are necessary life skills as well as valuable tools for any chosen career.

Course Description: At Year 12, students develop their reading and writing skills further and may gain the 10 literacy credits in reading and writing required for University Entrance. Students in this course are given opportunities to increase their English skills in further depth. Students study visual and written texts that require a more developed ability in interpretive reading. A portfolio of crafted writing develops over the course of the year. Students are expected to sit a minimum of two external assessments, as this will allow them to achieve a course endorsement.

The course will be assessed using a selection from the following Standards:
However the English department is open to creating courses that respond to the needs and interests of individual students. It is also possible to integrate the study for English Standards with the study for Standards in other subject areas e.g. Performing Arts, Communication and Classical Studies.)

Standard	*Title of Standards*	*Internal/ External*	*UE Reading/ Writing*	*Credit Value*	*Vocational Pathways*					
					C&I	M&T	PI	SI	S&CS	CI
AS 91098	Analyse specified aspects of studied written text(s) supported by evidence.	External	Reading/ Writing	4	•	•	•	•	•	
AS 91099	Analyse specified aspects of studied visual or oral text(s) supported by evidence.	External	Writing	4	•	•	•	•	•	
AS 91100	Analyse specific aspects of unfamiliar written texts through close reading, supported by evidence.	External	Reading/ Writing	4	•	•	•	•	•	
AS 91101	Produce a selection of crafted and controlled writing.	Internal	Writing	6	•	•	•	•	•	•
AS 91102	Construct and deliver a crafted and controlled oral text.	Internal	N/A	3			•	•		•
AS 91103	Construct a crafted and controlled visual and verbal text.	Internal	N/A	3			•	•	•	•
AS 91104	Analyse significant connections across texts, supported by evidence.	Internal	N/A	4	•		•	•	•	•
AS 91106	Form developed personal responses to independently read texts, supported by evidence.	Internal	Reading	4	•	•	•	•	•	

Level 3 English (UE approved)

Entry Recommendations: At least 14 credits in Level 2 English. It is desirable that students have achieved Merit and Excellence grades (including at least 4 credits externally at Level 2). If a student does not meet the recommendations and wants to take this subject, then a whānau hui with the Head of Learning Area will be arranged.

Future Pathways: Level 3 English is very close to a university level course and is designed for those students who either require this level of English for their career path, or who are especially adept at writing and reading. Please note: the course has a strong writing and critical thinking component. English at Level 3 provides the essential foundations for university or tertiary study with essay writing, research and referencing skills and philosophical discussion. Those who enjoy a study of literature and language or are considering arts and humanities courses at university should consider taking Level 3 English.

Course Description: In addition to literary analysis, there is a strong emphasis on developing writing and students should bring a body of writing from Level 2 in order to continue to build their portfolio of work.
*Scholarship English (external exam only) may also be offered to certain students in 2024

The course will be assessed from a selection of the following Standards in consultation with the teacher.

Standard	*Title of Standards*	*Internal/ External*	*UE Reading/ Writing*	*Credit Value*	*Vocational Pathways*					
					C&I	M&T	PI	SI	S&CS	CI
AS 91472	Respond critically to specified aspect(s) of studied written text(s), supported by evidence.	External	Reading/ Writing	4	•	•	•	•	•	
AS 91473	Respond critically to specified aspect(s) of studied visual or oral text(s), supported by evidence.	External	Writing	4	•	•	•	•	•	
AS 91474	Respond critically to significant aspects of unfamiliar written texts through close reading, supported by evidence.	External	Reading/ Writing	4	•	•	•	•	•	
AS 91475	Produce a selection of fluent and coherent writing which develops, sustains, and structures ideas.	Internal	Writing	6	•		•	•	•	•
AS 91476	Create and deliver a fluent and coherent oral text which develops, sustains, and structures ideas.	Internal	N/A	3	•	•	•	•	•	•
AS 91477	Create a fluent and coherent visual text which develops, sustains, and structures ideas using verbal and visual language.	Internal	N/A	3	•		•	•	•	•
AS 91478	Respond critically to significant connections across texts, supported by evidence.	Internal	N/A	4	•		•	•	•	•
AS 91479	Develop an informed understanding of literature and/or language using critical texts.	Internal	Reading	4	•		•	•	•	•
AS 91480	Respond critically to significant aspects of visual and/or oral text(s) through close reading, supported by evidence.	Internal	N/A	3						•

GATEWAY

Levels 2 and 3

***Entry Recommendations**:* Students need to complete an application form. Priority for placements goes to Year 12 and 13 students. Should there be a vacancy, specific students in Year 11 may be offered a place. Students must be able to complete a minimum of 10 days at a work placement, usually one day a fortnight. It is recommended that students complete the full year in this subject.

Future Pathways: Gateway gives students the opportunity to experience work in a specific field to help them decide if this is a pathway they wish to pursue.

Course description: Gateway offers students an opportunity to achieve unit Standards and gain qualifications/certificates in specific areas eg. farming, hairdressing, hospitality, automotive, plumbing, childcare etc. These unit Standards and qualifications will help any student wanting to move into employment, an apprenticeship/other on-the-job training or a Polytechnic course. There is a course requirement for students to earn a minimum of 20 NCEA credits – these credits are made up of unit Standards supplied and assessed by outside providers, eg Telford, Service IQ, SIT, Careerforce, as well as unit Standards taught in class. Students will have timetabled classes, which will allow them to work on industry unit Standards. Classroom time also allows students to catch up on any work missed in other subjects from being out at their placements.

Course costs: Nil

The in-class programme for Level 2 and 3 Gateway is based on the unit Standards below – each year, unit Standards are chosen to best meet the needs of the current students. Students will complete three or four in-class unit Standards during class time as well as industry specific unit Standards that are provided by Industry Training Organisations and Tertiary Institutions.

This course does not offer endorsement.

Standard	*Title of Standards*	*Internal/ External*	*UE Reading/ Writing*	*Credit Value*	*Vocational Pathways*					
					C&I	M&T	PI	SI	S&CS	CI
US 6400	Manage First Aid in emergency situations (L3) (compulsory)	Internal	N/A	2						
US 6401	Provide First Aid (L2) (compulsory)	Internal	N/A	1			•	•	•	
US 6402	Provide Resuscitation (L1) (compulsory)	Internal	N/A	1			•	•	•	
US 10781	Produce a plan for own future directions (L2)	Internal	N/A	3						
US 12383	Explore career options and their implications (L2)	Internal	N/A	3						
US 10780	Complete a work experience placement (L2)	Internal	N/A	3						
US 24695	Explain income tax and other deductions (L2)	Internal	N/A	2						
US 4252	Produce a personal targeted CV (L2)	Internal	N/A	2						
US 4253	Demonstrate knowledge of job search skills (L2)	Internal	N/A	3						
US 4251	Plan a career pathway (L3)	Internal	N/A	3						
US 1980	Describe from an employee perspective, ways of dealing with employment relationship problems (L3)	Internal	N/A	3						
US 30911	Demonstrate knowledge of a specified workplace (L3)	Internal	N/A	3						
US 9681	Contribute within a team or group which has an objective (L3)	Internal	N/A	3						
US 12356	Demonstrate knowledge of consumer problems and ways to resolve them (L3)	Internal	N/A	3						
Gateway students will have the opportunity to take part in an optional Barista training programme during lunchtimes that includes the following unit Standards										
US 17284	Demonstrate knowledge of coffee origin and production (L3)	Internal	N/A	3						
US 17285	Demonstrate knowledge of commercial espresso coffee equipment and prepare espresso beverages under supervision (L2)	Internal	N/A	4				•		
Gateway students in relevant industries will have the opportunity to take part in an optional two day Chainsaw training course that includes the following unit standard										
US6917	Demonstrate basic chainsaw operation (L2)	Internal	N/A	12			•			

HOSPITALITY – COOKERY

Level 1 Hospitality - Cookery

***Entry Recommendations**:* A desire to learn and practise cookery in a simulated hospitality environment.

Future Pathways: National Certificate in Hospitality, employment in the hospitality or tourism industry or food and beverage related business.

Course description:
This course has been designed as an introduction to working in a commercial kitchen environment. Students will learn:

- The essentials of food hygiene and safe food handling practices
- To identify career pathways in the hospitality industry
- How to prepare and present meat
- How to prepare and present fruit and vegetables
- How to bake cakes, sponges and scones
- How to care, carry, store and use knives correctly

Students will need to provide key ingredients for practical classes. It is essential that students are able to participate in these lessons.

The course is assessed using the following Standards. This course does not offer endorsement, *although a*ll credits gained can be aligned with the Service Industry Vocational Pathway and count towards NCEA level 1.

Standard	*Title of Standards*	*Internal/ External*	*Literacy/ Numeracy*	*Credit Value*	*Vocational Pathways*					
					C&I	M&T	PI	SI	S&CS	CI
US 21058	Career pathways in the hospitality industry	Internal	N/A	2				•		
US 15900	Prepare and present meat in the hospitality industry	Internal	N/A	4				•		
US 15901	Prepare and present fruit and vegetables in the hospitality industry	Internal	N/A	3				•		
US 21059	Demonstrate knowledge of knife care, use, storage and carrying for the hospitality industry	Internal	N/A	2				•		
US 15921	Prepare and cook a cake, a sponge and a batch of scones in the hospitality industry	Internal	N/A	3				•		

Level 2 Hospitality - Cookery

***Entry Recommendations**:* Level 1 Hospitality Cookery preferable but not essential. If a student has a genuine interest in cookery in the hospitality industry and has some work experience, entry may be granted.

Future Pathways: A Level 2 cookery course may be continued at either Polytechnic or in a work placement offering an apprenticeship. This course is the first step in gaining a national certificate in cookery. All Credits gained are aligned with the Service Industry Vocational Pathway and count towards NCEA level 2.
Hospitality employers look favourably upon students who have gained credits in cookery as possible employees.

Course description: Students will use a variety of cookery methods and a wide range of ingredients in regular practical classes. The food safety US167 is a recognised qualification in the industry and necessary for anyone selling food products to the public. Students will participate in school catering events to demonstrate skills in cookery and table service.

Students need to provide key ingredients for practical classes. It is essential that students are able to participate in these lessons.

This course does not offer endorsement. The course will be assessed using the following Standards:

Standard	*Title of Standards*	*Internal/ External*	*UE Reading/ Writing*	*Credit Value*	*Vocational Pathways*					
					C&I	M&T	PI	SI	S&CS	CI
US 167	Practice food safety methods in a food business	Internal	N/A	4				•		
US 22234	Compare characteristics of international dishes and prepare and present international dishes	Internal	N/A	4				•		
US 14434	Prepare and clear areas for table service for a commercial hospitality establishment	Internal	N/A	3				•		
US 13280	Prepare fruit and vegetable cuts in a commercial kitchen	Internal	N/A	2				•		
US 13272	Cook food items by baking	Internal	N/A	2				•		

Level 3 Hospitality

***Entry Recommendations**:* Students must be enrolled in a Gateway course, and have a placement in the Hospitality industry or currently working in the Hospitality industry. Level 2 Hospitality Cookery preferable but not essential.

Future Pathways: Hospitality studies may be continued at either Polytechnic or in a work placement offering an apprenticeship. All credits gained are aligned with the Service Industry Vocational Pathway and count towards NCEA level 3. Hospitality employers look favourably upon students who have studied aspects of the Food and Beverage Industry as possible employees.

Course description: This is a part time course in which students will be required to participate once a week in practical tasks to develop a knowledge of culinary products and terms, food preparation methods, preserving techniques, complex sandwich production and food costing. Students will also have the option of developing their barista skills. Students completing the Barista US will do so during Gateway/Ready for Work classes and at the discretion of Mr Hammond.

Students need to provide key ingredients for practical cookery classes. It is essential that students are able to participate in these lessons.

This course does not offer endorsement. The course will be assessed using the following Standards:

Standard	*Title of Standards*	*Internal/ External*	*UE Reading/ Writing*	*Credit Value*	*Vocational Pathways*					
					C&I	M&T	PI	SI	S&CS	CI
US 24525	Perform food costing calculations in a commercial hospitality environment	Internal	N/A	4				•		
US 13331	Prepare and cook pickles, chutneys and preserves in a commercial kitchen	Internal	N/A	4				•		
US 13282	Prepare, assemble and present complex sandwiches for service in a commercial kitchen	Internal	N/A	2				•		
US 18497	Demonstrate knowledge of culinary products, terms, and food preparation methods	Internal	N/A	8				•		
US 17284	Demonstrate knowledge of coffee origin and production	Internal	N/A	3				•		
US 17285 (L2)	Demonstrate knowledge of commercial espresso coffee equipment and prepare espresso beverages under supervision	Internal	N/A	4				•		

MĀORI

Ko te reo te manawa pou o te Māori,
Ko te ihi te waimanawa o te tangata,
Ko te roimata, ko te hūpē te waiaroha.
Ko tōku nui, tōku wehi, tōku whakatiketike, tōku reo.

Te reo Māori is indigenous to Aotearoa. It is a taonga recognised under Te Tiriti o Waitangi, a primary source of our nation's self-knowledge and identity, and an official language. By learning te reo Māori me ōnā tikanga, students become more connected to this land and its peoples. Specifically, students in Māori studies will have opportunities to connect with local mana whenua through visiting the marae, visit wāhi tapu/ areas of significance in the area and learn about these through the lens of place-based pūrakau. In Māori studies we seek to embed the values of whanaungatanga, kaitiakitanga, manaakitanga and wairuatanga into our lives at school. Each course offers a holistic experience of blended speaking, reading and writing in te reo Māori, as well as various matauranga offerings tailored to students' interests.

Level 1 Māori

Entry Recommendations: Year 9 & 10 Māori or some previous experience of learning Te Reo Māori.

Future Pathways: Teaching, Education Early childhood Education, Secondary teaching, Tourism, Nursing, Radio, TV, journalists, DOC, Primary Industries.

Course description: This assumes that the students have covered the language and structures in 9-10, but is not a requirement. Students will learn a range of skills and abilities. The course will have components that focus on language development; storytelling and weaving, as well learning Tikanga associated with Marae protocols and Waka Ama.

The course will be assessed using a selection from the following Standards:

Standard	*Title of Standards*	*Internal/ External*	*Literacy / Numeracy*	*Credit Value*	*Vocational Pathways*					
					C&I	M&T	PI	SI	S&CS	CI
Te Reo										
AS 92092	Te kōrero mō te ora o te reo i mua i te tau 1970	Internal	Literacy	6	•	•	•	•	•	•
AS 92093	Te whakapuaki whakaaro i runga i te āta rere o te reo	Internal	Literacy	6	•	•	•	•	•	•
AS 92095	Te whakapuaki whakaaro i runga i te tika haere o te reo	External	Literacy	6	•	•	•	•	•	•
Matauranga Māori										
US 7906	Harvest Prepare Raranga Kono	Internal	N/A	4						•
US 29531	Harvest Prepare Raranga Konae	Internal	N/A	4						
US 27547	Identify ngā momo rākau whawhai	Internal	N/A	4				•		•
Waka Ama										
US 30810	Demonstrate and describe waka ama paddling and safety skills	Internal	N/A	15					•	•
US 30811	Demonstrate capsize drills for waka ama	Internal	N/A	3					•	•

Level 2 Māori

***Entry Recommendations**:* Completed Level 1 Māori. If a student does not meet the recommendations and wants to take this subject, then a whānau hui with the HEAD OF LEARNING AREA will be arranged.

Future Pathways: Teaching, Education Early childhood Education, Secondary teaching, Tourism, Nursing, Radio, TV, journalists, DOC, Primary Industries.

Course description: A course that develops understanding of Raranga/Weaving and Tikanga / History, together with Knowledge of Marae Protocol. Students may choose which Standards they wish to achieve to gain sufficient credits from below.

This course does not offer endorsement. The course will be assessed using a selection from the following Standards:

Standard	*Title of Standards*	*Internal/ External*	*UE Reading/ Writing*	*Credit Value*	*Vocational Pathways*					
					C&I	M&T	PI	SI	S&CS	CI
Raranga										
US 7869	Prepare Harakeke for kete	Internal	N/A	2						•
US 7873	Produce Muka	Internal	N/A	4						•
Taonga Puoro										
US 30242	Construct simple Taonga Puoro	Internal	N/A	7				•		•
US 30240	Demonstrate knowledge of whanau Taonga Puoro	Internal	N/A	6						
US 30243	Describe relationship between Te Taiao and Taonga Puoro incorporate into performance using simple Taonga Puoro	Internal	N/A	4				•		•
US 30241	Demonstrate knowledge of traditional use of Taonga Puoro in accordance with Tikanga	Internal	N/A	5				•		•

Level 3 Māori

***Entry Recommendations**:* Completed Level 2 Māori. If a student does not meet the recommendations and wants to take this subject, then a whānau hui with the HEAD OF LEARNING AREA will be arranged.

Future Pathways: Teaching, Education Early childhood Education, Secondary teaching, Tourism, Nursing, Radio, TV, journalists, DOC, Primary Industries.

Course description: A course that develops understanding of Raranga/Weaving and Tikanga / History, together with Knowledge of Marae Protocol. Students may choose which Standards they wish to achieve to gain sufficient credits from below.

This course does not offer endorsement. The course will be assessed using a selection from the following Standards:

Standard	*Title of Standards*	*Internal/ External*	*UE Reading/ Writing*	*Credit Value*	*Vocational Pathways*					
					C&I	M&T	PI	SI	S&CS	CI
Raranga										
US 7872	Dye Whenu for Kete	Internal	N/A	5						
US 18694	Complete a Tukutuku panel	Internal	N/A	8						
US 7871	Prepare Pingao for kete	Internal	N/A	4						
US 7870	Prepare Kiekie for kete	Internal	N/A	4						
US 30245	Construct, refine and embellish Taonga Puoro	Internal	N/A	12						
US 31121	Whakatangi Taonga Puoro in traditional contemporary context	Internal	N/A	4						
US 31122	Compose and perform a simple waiata featuring Taonga Puoro	Internal	N/A	5						

MATHEMATICS

Mathematics is the exploration and use of patterns and relationships in quantities, space, and time. Statistics is the exploration and use of patterns and relationships in data. These two disciplines are related but different ways of thinking and of solving problems. Both equip students with effective means for investigating, interpreting, explaining, and making sense of the world in which they live. Mathematicians and statisticians use symbols, graphs, and diagrams to help them find and communicate patterns and relationships, and they create models to represent both real-life and hypothetical situations.
These situations are drawn from a wide range of social, cultural, scientific, technological, health, environmental, and economic contexts.

Level 1 Mathematics with Algebra

***Entry Recommendations**:* None

Future Pathways: Level 1 Mathematics with Algebra is essential for future learning in Mathematics, the Sciences, or Economics and leads into tertiary study. Its application is required in most forms of employment involving calculations, including Construction and Infrastructure, Manufacturing and Technology, Social and Community Services, Primary industries and Service industries.

Course description: This course provides students with academic preparation in Mathematics. It fully covers Level 6 of the NZ mathematics curriculum. Topics include number, algebra, geometry, graphing, measurement, probability and statistics.

Course costs: nil.

The course will be assessed using the following Standards:

Standard	*Title of Standards*	*Internal/ External*	*Literacy / Numeracy*	*Credit Value*	*Vocational Pathways*					
					C&I	M&T	PI	SI	S&CS	CI
AS 91944	Explore data using a statistical enquiry process	Internal	Numeracy	5						
AS 91945	Use mathematical methods to explore problems	Internal	Numeracy	5						
AS 91947	Demonstrate mathematical reasoning	External	Numeracy	5						

Level 1 Mathematics

***Entry Recommendations**:* None

Future Pathways: The application of Mathematics is required in most forms of employment involving calculations, including Construction and Infrastructure, Manufacturing and Technology, Social and Community Services, Primary industries and Service industries.

Course description: The mathematics taught in this class will be of a practical nature, such as measurement and number skills through the context of money. The course will be based on a blend of number, measurement, geometry, probability and statistics. .

Course costs: Nil

The course will be assessed using the following Standards to suit students' abilities:

Standard	*Title of Standards*	*Internal/ External*	*Literacy / Numeracy*	*Credit Value*	*Vocational Pathways*					
					C&I	M&T	PI	SI	S&CS	CI
AS 91944	Explore data using a statistical enquiry process	Internal	Numeracy	5						•
AS 91945	Use mathematical methods to explore problems	Internal	Numeracy	5						•

Level 2 Mathematics with Algebra

***Entry Recommendations**:* Students must have at least 14 credits in NCEA Level 1 Mathematics with Algebra Achievement Standards including passing the Algebra and Number Achievement Standards. If a student does not meet the recommendations and wants to take this subject, then a whānau hui with the HEAD OF LEARNING AREA will be arranged.

Future Pathways: This course is required for those students who wish to study Mathematics with Calculus at Level 3. Students seeking careers in the engineering, mechanical and construction industries should take this course as should those who intend studying science, engineering, architecture, medicine, or economics at University.

Course description: This course provides students with academic preparation in Mathematics. It fully covers level 7 of the NZ Mathematics Curriculum. Topics include algebra, graphing, geometry, calculus, statistics and probability.

Course costs: nil

The course will be assessed using the following Standards:

Standard	*Title of Standards*	*Internal/ External*	*UE Reading/ Writing*	*Credit Value*	*Vocational Pathways*					
					C&I	M&T	PI	SI	S&CS	CI
AS 91259	Apply trigonometric relationships in solving problems	Internal	N/A	3	•	•				•
AS 91269	Apply systems of equations	Internal	N/A	2	•	•				•
AS 91261	Apply algebraic methods in solving problems	External	N/A	4	•	•	•			
AS 91262	Apply calculus methods in solving problems	External	N/A	5	•	•	•			
AS 91267	Apply probability methods in solving problems	External	N/A	4			•	•	•	

Level 2 Mathematics with Statistics

***Entry Recommendations**:* Students must gain 14 credits in a NCEA Level 1 Mathematics course including passing the external exam on Chance and Data to enter the Level 2 Mathematics with Statistics course. If a student does not meet the recommendations and wants to take this subject, then a whānau hui with the Head of Learning Area will be arranged.

Future Pathways: Statistics and data science are some of the fastest growing and most in-demand careers and can lead into careers in economics, finance, social services, data science, research, marketing, psychology, environmental studies and primary industries. This course provides a pathway for Statistics at Level 3.
This course does not lead on to NCEA Level 3 Calculus.

Course description: There is so much data and information available in the technological world which we live in. This course is focused on making sense of that data. Mathematics with Statistics will focus on the application of statistics and probability to solve practical problems.

Course costs: nil

The course will be assessed using the following Standards:

Standard	*Title of Standards*	*Internal/ External*	*UE Reading/ Writing*	*Credit Value*	*Vocational Pathways*					
					C&I	M&T	PI	SI	S&CS	CI
AS 91260	Apply network methods in solving problems	Internal	N/A	2	•	•	•	•	•	•
AS 91268	Investigate a situation involving elements of chance using a simulation	Internal	N/A	2			•		•	
AS 91258	Apply sequences and series in solving problems	Internal	N/A	2	•	•	•		•	•
AS 91267	Apply probability methods in solving problems	External	N/A	4			•	•	•	
AS 91264	Use statistical methods to make an inference	Internal	N/A	4			•	•	•	

Level 3 Mathematics – Calculus (UE Approved)

***Entry Recommendations**:* Students should have gained 15 credits or better in the Level 2 Mathematics course and pass the Algebra and Calculus external assessments. If a student does not meet the recommendations and wants to take this subject, then a whānau hui with the Head of Learning Area will be arranged.

Future Pathways: Students seeking a post tertiary study career in Mathematics, Physical Sciences, Engineering, Architecture, Medicine or Computing.
Eg see http://www.victoria.ac.nz/science/study/subjects/math

Course description: Everything is forever changing with time and Calculus unlocks the Mathematics to describe and calculate the changes. This course contains algebra, graphing, calculus, trigonometry, complex numbers and problem solving.

Course costs: option to purchase a $17 workbook.

The course will be assessed using the following Standards:

Standard	*Title of Standards*	*Internal/ External*	*UE Reading/ Writing*	*Credit Value*	*Vocational Pathways*					
					C&I	M&T	PI	SI	S&CS	CI
AS 91575	Apply trigonometric methods in solving problems	Internal	N/A	4	•	•				
AS 91587	Apply systems of simultaneous equations in solving problems	Internal	N/A	3	•	•	•			
AS 91573	Apply the geometry of conic sections in solving problems	Internal	N/A	3	•	•				
AS 91578	Apply differentiation methods in solving problems	External	N/A	6	•	•	•		•	
AS 91579	Apply integration methods in solving problems	External	N/A	6	•	•	•			

Scholarship will be available for those who wish to enter.

Level 3 Mathematics – Statistics (UE Approved)

***Entry Recommendations**:* Students should have gained 12 credits or better in a Level 2 Mathematics course including the external on Probability Methods. If a student does not meet the recommendations and wants to take this subject, then a whanau hui with the Head of Learning Area will be arranged.

Future Pathways: Students seeking a post tertiary study career applying statistics in areas like economics, banking, social services, research, marketing, psychology, environmental studies and primary industries.
Eg http://www.victoria.ac.nz/science/study/subjects/math

Course description: This course covers examining how things change over time, relationships between data, comparing sets of data and probabilities. In Statistics we use data to explain the world we live in.
Course costs: None.

The course will be assessed using the following Standards:

Standard	*Title of Standards*	*Internal/ External*	*UE Reading/ Writing*	*Credit Value*	*Vocational Pathways*					
					C&I	M&T	PI	SI	S&CS	CI
AS 91580	Investigate time series data	Internal	N/A	4			•		•	
AS 91581	Investigate bivariate measurement data	Internal	N/A	4			•			
AS 91585	Apply probability concepts in solving problems	External	N/A	4			•	•	•	
AS 91582	Use statistical methods to make a formal inference	Internal	N/A	4			•	•	•	•

Scholarship will be available for those who wish to enter.

OUTDOOR EDUCATION

Level 2 Outdoor Education

Entry Recommendations: A genuine interest in outdoor pursuits. Good swimming ability. A willingness to give adventures a go; **all** field trips are compulsory. Students must have a willingness to put extra time in to catch up on subjects missed whilst on field trips. (There will be minimal impact on other classes)

Future Pathways: Base skills taught for a career in outdoor pursuits, tourism, guiding, and teaching. Teamwork skills taught are valued by all employers. Skills and knowledge learnt on this course will be useful for lifelong recreational pursuits in the outdoors and all other employment options.

Additional Skills: Students will develop leadership, teamwork, communication, determination, confidence, integrity, and many other skills through physical and mentally demanding real world activities. These skills are an essential component of all employment options and will give OE students a leading edge on other graduates.

Course Description: Units are taught to give a practical introduction to a wide variety of outdoor pursuits, including white-water kayaking, river crossing, tramping, mountain biking, rock climbing, abseiling, and orienteering. Theory units on navigation, weather, risk management and first aid are taught to support the safe practise of outdoor activities. An emphasis on co-operative teamwork is reinforced through an Adventure Based Learning programme. Most units have both a theory and a practical component.

Term 1 focus: White water kayaking
Term 2 focus: Rock climbing & tramping
Term 3 focus: Mountain biking
Term 4 focus: Sea kayaking and rock climbing

Course Costs: (*Approximately) $300*. To cover costs for overnight trips. This course is heavily subsidised by STAR funding sourced through the school. Food expenses for field trips are not included.

This course does not offer endorsement. The course will be assessed using a selection from the following Standards:

Standard	*Title of Standards*	*Internal/ External*	*UE Reading/ Writing*	*Credit Value*	*Vocational Pathways*					
					C&I	M&T	PI	SI	S&CS	CI
US476	Roll a decked paddle craft on flat water	Internal	N/A	2				•		•
US32848	Demonstrate paddling skills on moving water	Internal	N/A	2						•
US20152	Demonstrate basic knowledge of safe abseil techniques	Internal	N/A	1				•		
US20157	Demonstrate novice rock climbing and belaying skills on Ewbank Grade 12 and above	Internal	N/A	2				•	•	
US26249	Demonstrate skills for an overnight tramp	Internal	N/A	2						
US32835	Demonstrate knowledge of weather information, introductory survival skills, and the use of maps in the outdoors	Internal	N/A	3						•
US32840	Demonstrate knowledge of preparation for an outdoor activity	Internal	N/A	3						•
US457	Demonstrate mountain biking skills on grade 2 terrain	Internal	N/A	2				•		•
US20138	Set up and undertake basic maintenance of a mountain or cycle touring bike for outdoor recreation	Internal	N/A	2				•		
AS91336 (PE 2.10)	Analyse group processes in physical activity	Internal	N/A	3			•	•	•	•
AS91333 (PE 2.7)	Analyse the application of risk management strategies to a challenging outdoor activity (Kayaking)	Internal	N/A	3			•	•		
AS 91330 (PE 2.4)	Perform a physical activity in an applied setting (Rock climbing)	Internal	N/A	3				•		•

Level 3 Outdoor Education

Entry Recommendations: Participation in the year 12 Outdoor Education course and a strong leadership interest. If a student does not meet the recommendations and wants to take this subject, then a whānau hui with the Head of Learning Area will be arranged.

Future Pathways: Base skills taught for a career in outdoor pursuits, tourism, guiding, and teaching. Teamwork skills taught are valued by all employers. Skills and knowledge learnt on this course will be useful for lifelong recreational pursuits in the outdoors and all other employment options.

Additional Skills: Students will develop leadership, teamwork, communication, determination, confidence, integrity, and many other skills through physical and mentally demanding real world activities. These skills are an essential component of all employment options and will give OE students a leading edge on other graduates.

Course Description: This qualification ensures people have the skills to independently lead groups in outdoor activities. It is designed for those leading, or intending to lead outdoor recreation activities for people at a beginner level in low risk environments.

Course Costs: (*Approximately) $300*
To cover costs for overnight trips. This course is heavily subsidised by STAR funding sourced through the school. Food expenses for field trips are not included.

This course does not offer endorsement. The course will be assessed using a selection from the following Standards:

Standard	*Title of Standards*	*Internal/ External*	*UE Reading/ Writing*	*Credit level*	*Credit Value*	*Vocational Pathways*					
						C&I	M&T	PI	SI	S&CS	CI
US20149	Lead climb on single-pitch rock routes with bolts and in-situ anchors	Internal	N/A	3	2						
US20150	Demonstrate top rope rock climbing and belaying skills on Ewbank Grade 14 and above	Internal	N/A	3	2						
US26243	Demonstrate a managed abseil descent with secondary protection	Internal	N/A	3	1						
US32850	Participate in and evaluate a self-contained multi-day trip in an outdoor context	Internal	N/A	3	3						
US32841	Prepare for an overnight outdoor activity	Internal	N/A	3	3						
US427	Demonstrate crossing rivers	Internal	N/A	3	2						
US19428	Demonstrate sea kayaking skills on coastal water	Internal	N/A	3	2						
US32836	Demonstrate knowledge of weather patterns, survival skills and navigation in the outdoors	Internal	N/A	3	3						
US20121	Demonstrate paddling skills on Class 2 water	internal	N/A	3	2				•		
US32849	Roll a decked paddle craft on moving water	internal	N/A	3	2						
US424	Administer First Aid in the Outdoors *(First aid course)*	Internal	N/A	3	5						
US26551	Provide first aid for life threatening conditions *(First aid course)*	Internal	N/A	2	1				•	•	
US26552	Demonstrate knowledge of common first aid conditions and how to respond to them. *(First aid course)*	Internal	N/A	2	1				•	•	

PHYSICAL EDUCATION

Physical Education Pathway

- Level 1 Physical Education
- Level 2 Physical Education
- Level 3 Physical Education (UE)

Future Pathways: Careers in: physiotherapy, personal training, teaching, sports rehabilitation, coaching, lifestyle coaching, sports & recreation industry, professional sport, and exercise prescription.

Level 1 Physical Education

Entry Recommendations*:* An interest in improving your sports performance in a range of activities and a passion for understanding how we learn, train and move. Students taking this course will have demonstrated a strong interest and commitment to Physical Education at Curriculum Level 5 (Year 10).

Course description: This course encourages students to think critically about different physical activity experiences. The course features a mix of theory and practical lessons designed to prepare students to develop key skills leading into senior Physical Education and tertiary study.

This course will be assess using the following Standards:

Standard	*Title of Standards*	*Internal/ External*	*Literacy / Numeracy*	*Credit Value*	*Vocational Pathways*					
					C&I	M&T	PI	SI	S&CS	CI
AS 92016	1.1 - Apply movement strategies in an applied setting	Internal	N/A	5				•	•	•
AS 92017	1.2 - Demonstrate understanding of how kotahitanga is promoted in movement through application of strategies	Internal	N/A	5				•	•	•
AS 92019	1.4 -Demonstrate understanding of influences on movement in Aotearoa New Zealand or the Pacific	External	N/A	5				•	•	•

Level 2 Physical Education

Entry Recommendations*:* An interest in improving your sports performance in a range of activities and a passion for understanding how we learn, train and move through the application of sports science theory. Ideally students should have studied Level 1 Physical Education. Due to the literacy requirements of this subject, students studying Level 2 English will be at an advantage. If a student does not meet the recommendations and wants to take this subject, then a whānau hui with the Head of Learning Area will be arranged.

Course description: This course allows students to look at sport science in detail and its importance in improving sport performance. Course content will be delivered mainly during theoretical lessons, before students apply their knowledge in a practical setting. The list of Standards below are a guide and the course will be adapted to suit student individual needs and interests.

This course will be assess using the following Standards:

Standard	*Title of Standards*	*Internal/ External*	*UE Reading/ Writing*	*Credit Value*	*Vocational Pathways*					
					C&I	M&T	PI	SI	S&CS	CI
AS 91328	2.2 - Demonstrate understanding of how and why biophysical principles relate to the learning of physical skills	Internal	N/A	5				•	•	•
AS 91329	2.3 - Demonstrate understanding of the application of biophysical principles to training for physical activity	Internal	N/A	4				•		•
AS 91330	2.4 - Perform a physical activity in an applied setting	Internal	N/A	4				•		•
AS 91332	2.5 - Examine the significance for self, others and society of a sporting event, a physical activity or a festival	Internal	N/A	4				•	•	•

Level 3 Physical Education (UE Approved)

***Entry Recommendations**:* An interest in improving your sports performance in a range of activities and a passion for understanding how we learn, train and move. Level 2 Physical Education is required on to this course. Due to the literacy requirements of this course students who have studied Level 2 English will be at an advantage. If a student does not meet the recommendations and wants to take this subject, then a whānau hui with the Head of Learning Area will be arranged.

Course description: This course is designed to prepare students for university studies as students will investigate a range of Physical Education topics from a critical perspective. This course covers in detail how science can be used to utilise sport performance. Students will be expected to apply this theory / knowledge in a practical setting. Students will also learn and develop their reflective skills. The list of Standards below are a guide and the course will be adapted to suit student individual needs and interests.

This course will be assess using the following Standards:

Standard	*Title of Standards*	*Internal/ External*	*UE Reading/ Writing*	*Credit Value*	*Vocational Pathways*					
					C&I	M&T	PI	SI	S&CS	CI
AS 91499	3.2 - Analyse a physical skill performed by self and others	Internal	N/A	3				•	•	•
AS 91500	3.3 - Evaluate the effectiveness of a performance improvement programme	Internal	Reading	4				•		•
AS 91501	3.4 - Demonstrate quality performance of a physical activity in an applied setting	Internal	N/A	4				•		•
AS 91502	3.5 - Examine a current physical activity event, trend or issue impacting on New Zealand	Internal	Reading	4				•	•	
AS 91505	3.8 - Examine contemporary leadership principles applied in physical activity contexts	Internal	Reading	4				•	•	

READY FOR WORK

Ready for Work is a general course for all students. It promotes personal growth, confidence, financial literacy, communication and employment skills.

***Entry Recommendations**:* Nil.

Future Pathways: Unit Standards covered can be a good basis for future apprenticeships or employment dealing with the public.

Course description: This course offers a variety of unit Standards at Levels 2 and 3. The topics are chosen to give a good grounding in the skills needed for transition from school to the workplace and independent living.

Course costs: Nil

Neither Level 2 nor Level 3 courses offer endorsement.
Unit Standards will be chosen/substituted/added depending on the needs of the class.

Level 2

Standard	*Title of Standards*	*Internal/ External*	*UE Reading/ Writing*	*Credit Value*	*Vocational Pathways*					
					C&I	M&T	PI	SI	S&CS	CI
US 12354	Implications of independent living	Internal	N/A	4						
US 12349	Demonstrate knowledge of time management	Internal	N/A	3	•					
US 12355	Describe strategies for managing stress	Internal	N/A	3					•	
US 24695	Explain taxation and other deductions relating to personal income	Internal	N/A	2						
US 525	Recognise sexual harassment and describe ways of responding	Internal	N/A	3						
US 542	Recognise discrimination and describe ways of responding	Internal	N/A	3						
US 4252	Produce a personal targeted CV	Internal	N/A	2						
US 4253	Demonstrate knowledge of job search skills	Internal	N/A	3						
US 3462	Demonstrate knowledge of traffic law in relation to safe driving	Internal	N/A	3		•		•		
US 4261	Identify legal rights and obligations in relation to motor vehicle ownership and operation	Internal	N/A	3						
US 1979	Describe employment agreements	Internal	N/A	3						

Level 3

Standard	*Title of Standards*	*Internal/ External*	*UE Reading/ Writing*	*Credit Value*	*Vocational Pathways*					
					C&I	M&T	PI	SI	S&CS	CI
US 4251	Plan a career pathway	Internal	N/A	3						
US 1980	Describe from an employee perspective, ways of dealing with employment relationship problems	Internal	N/A	3						
US 9681	Contribute within a team or group which has an objective	Internal	N/A	3						
US 7127	Exercise informed choice in deciding on a major goods or service purchase	Internal	N/A	2						
US 9694	Demonstrate and apply knowledge of communication process theory	Internal	N/A	4						
US 12356	Demonstrate knowledge of consumer problems and ways to resolve them	Internal	N/A	3						
US 28098	Evaluate options to increase personal income	Internal	N/A	3						
US 28099	Analyse credit options and select strategies to manage personal finances	Internal	N/A	3						
US 28100	Develop a plan to achieve a long term personal financial goal	Internal	N/A	4						

RESISTANCE MATERIALS TECHNOLOGY

Level 1 Building, Construction, and Allied Trades Skills

***Entry Recommendations**:* Nil

Future Pathways: Level 2 Building and Construction and Allied Trade Skills, Apprenticeships and Polytechnic Studies in the New Zealand Certificate in Building, Construction, and Allied Trades Skills (Level 1 and 2).

Course Description: The course provides an opportunity to begin the New Zealand Certificate in Building, Construction, and Allied Trades Skills (Level 1 and 2). This includes Standards that focus on the acquisition of theoretical and practical knowledge and skills and that form the structural base of the qualification.

This course does not offer endorsement. The course will be assessed using a selection from the following Standards:

Standard	*Title of Standards*	*Internal/ External*	*Literacy/ Numeracy*	*Credit Value*	*Vocational Pathways*					
					C&I	M&T	PI	SI	S&CS	CI
US 31813	Complete basic concrete works as a BCATS project.	Internal	N/A	4	•					
US 24356	Apply elementary workshop procedures and processes for a BCATS project.	Internal	N/A	8	•					
US 24352	Demonstrate knowledge of and apply safe working practices in a BCATS workplace.	Internal	N/A	2	•		•			

Level 2 Building, Construction, and Allied Trades Skills

Entry Recommendations: Level 1 Building and Construction and Allied Trade Skills or Level 1 Mechanical Engineering or through an interview with the Teacher. If a student does not meet the recommendations and wants to take this subject, then a whānau hui with the Head of Learning Area will be arranged.

Future Pathways: Apprenticeships and Polytechnic Studies in the New Zealand Certificate in Building, Construction, and Allied Trades Skills (Level 1 and 2).

Course Description: The course provides an opportunity to begin the New Zealand Certificate in Building, Construction, and Allied Trades Skills (Level 2). This includes Standards that focus on the acquisition of theoretical and practical knowledge and skills and that form the structural base of the qualification.

Course Costs: There will be some material costs for projects taken home, some personal tool and equipment costs, plus some extra cost depending on the students' choice of project. Course take home material costs of approximately $150.00 for the whole year.

This course does not offer endorsement. The course will be assessed using a selection from the following Standards:

Standard	*Title of Standards*	*Internal/ External*	*UE Reading/ Writing*	*Credit Value*	*Vocational Pathways*					
					C&I	M&T	PI	SI	S&CS	CI
US 12927	Identify, select, maintain, and use hand tools for BCATS projects.	Internal	N/A	6	•					
US 24350	Identify, select, maintain, and use portable power tools for BCATS projects.	Internal	N/A	6	•					
US 24354	Demonstrate knowledge of and apply safe working practices in a BCATS workplace.	Internal	N/A	4	•					
US 12932	Construct timber garden furniture and items of basic construction equipment as a BCATS project.	Internal	N/A	8	•					

Level 3 Building, Construction, and Allied Trades Skills

Entry Recommendations: Level 2 Building and Construction and Allied Trade Skills. If a student does not meet the recommendations and wants to take this subject, then a whānau hui with the Head of Learning Area will be arranged.

Future Pathways: Apprenticeships and Polytechnic Studies in the New Zealand Certificate in Building, Construction, and Allied Trades Skills (Level 1 and 2).

Course Description: The course provides an opportunity to begin the New Zealand Certificate in Building, Construction, and Allied Trades Skills (Level 3). This includes Standards that focus on the acquisition of theoretical and practical knowledge and skills and that form the structural base of the qualification.

Course Costs: There will be some material costs for projects taken home, some personal tool and equipment costs, plus some extra cost depending on the students' choice of project. Course take home material costs of approximately $150.00 for the whole year.

This course does not offer endorsement. The course will be assessed using a selection from the following Standards:

Standard	*Title of Standards*	*Internal/ External*	*UE Reading/ Writing*	*Credit Value*	*Vocational Pathways*					
					C&I	M&T	PI	SI	S&CS	CI
US 29684	Undertake a Stage 3 BCATS project.	Internal	N/A	12	•		•			
US 29682	Select use and maintain tools, equipment and machines for a Stage 3 BCATS project.	Internal	N/A	4	•					
US 29677	Health and safety in a BCATS project.	Internal	N/A	2	•					

Level 1 Mechanical Engineering

***Entry Recommendations**:* Nil

Future Pathways: Engineering Level 4 New Zealand Certificate in Mechanical Engineering; Polytechnic and Trade training and Automotive trades.

Course description:

- Basic workshop safety
- Basic engineering workshop techniques including cutting, marking out, measuring, joining, assembly and finishing
- Use of basic tools and machinery
- Investigation, design and building of a simple product.

Course costs: There will be some material costs, plus some extra cost depending on the project. Initial course cost of approximately $50 Students cost contribution is dependent on choice of project. As this is an Industry regulated vocational course, it is supported by Secondary Tertiary Alignment Resource (STAR) funding. Therefore some of the project cost that you will accumulate will usually be subsidised by STAR funding.

This course does not offer endorsement. The course will be assessed using the following Standards:

Standard	*Title of Standards*	*Internal/ External*	*Literacy/ Numeracy*	*Credit Value*	*Vocational Pathways*					
					C&I	M&T	PI	SI	S&CS	CI
US 22923	Demonstrate basic engineering skills under close supervision	Internal	N/A	12		•	•			
US 22924	Develop a simple product using engineering materials	Internal	N/A	10		•	•			
US 22926	Demonstrate knowledge of safety procedures in a specific engineering workshop	Internal	N/A	2		•	•			
US 4433	Select use and care for simple measuring devices used in engineering	Internal	N/A	2		•				

Level 2 Mechanical Engineering

***Entry Recommendations**:* Level 1 Mechanical Engineering. If a student does not meet the recommendations and wants to take this subject, then a whānau hui with the Head of Learning Area will be arranged.

Future Pathways: Engineering Level 4 New Zealand Certificate in Mechanical Engineering; Polytechnic and Trade Training.

Course Description:

This course has been designed for secondary school learners in a Manufacturing Pathway Skills (MaPS) Programme incorporating the following:

- Workshop safety procedures.
- Drawing and sketching of mechanical engineering components and parts using correct conventions.
- Basic engineering workshop techniques including cutting, marking out, measuring, joining, assembly and finishing.
- Use of basic and specialised tools and machinery.
- Investigation, design and building of engineering products.

Course Costs: There will be some material costs for projects taken home, plus some extra cost depending on the project. Initial course cost of $50.00. Students' further course cost contribution is dependent on choice of project. As this is an Industry regulated vocational course, it is supported by Secondary Tertiary Alignment Resource (STAR) funding. Therefore some of the project cost that you will accumulate may be subsidised by STAR funding.

This course does not offer endorsement. The course will be assessed using a selection from the following Standards:

Standard	*Title of Standards*	*Internal/ External*	*UE Reading/ Writing*	*Credit Value*	*Vocational Pathways*					
					C&I	M&T	PI	SI	S&CS	CI
US 32051	Demonstrate and apply knowledge of mechanical engineering drawings and geometric construction in MaPS environment.	Internal	N/A	4		•				
US 32053	Demonstrate knowledge of and apply good work practices when performing machining operations in MaPS environment.	Internal	N/A	7		•				
US 32055	Demonstrate knowledge of and apply good work practices when performing simple fabrication operations in a MaPS environment.	Internal	N/A	7		•				

Level 3 Mechanical Engineering

Entry Recommendations: Level 2 Mechanical Engineering. If a student does not meet the recommendations and wants to take this subject, then a whānau hui with the Head of Learning Area will be arranged.

Future Pathways: Engineering Level 4 New Zealand Certificate in Mechanical Engineering; Polytechnic and Trade Training.

Course Description:
This course has been designed for secondary school learners in a manufacturing pathway skills (MaPS) programme incorporating the following:

- Workshop safety procedures.
- Drawing and sketching of mechanical engineering components and parts using correct conventions.
- Basic engineering workshop techniques including cutting, marking out, measuring, joining, assembly and finishing.
- Use of basic and specialised tools and machinery.
- Investigation, design and building of engineering products.

Course Costs: There will be some material costs, plus some extra cost depending on the project. Initial course cost of approximately $50.00. Students further course cost contribution is dependent on choice of project. As this is an Industry regulated vocational course, it is supported by Secondary Tertiary Alignment Resource (STAR) funding. Therefore some of the project cost that you will accumulate may be subsidised by STAR funding.

This course does not offer endorsement. The course will be assessed using a selection from the following Standards:

Standard	*Title of Standards*	*Internal/ External*	*UE Reading/ Writing*	*Credit Value*	*Vocational Pathways*					
					C&I	M&T	PI	SI	S&CS	CI
US 32052	Demonstrate knowledge and produce development drawings and patterns for three dimensional objects in MaPS environment.	Internal	N/A	4		•				
US 32054	Produce components by performing engineering machining operations in MaPS environment.	Internal	N/A	7		•	•			
US 32056	Perform fabrication operations in MaPS environment.	Internal	N/A	7		•				

SCIENCE

Level 1 Science

Entry Recommendations: Nil

Future Pathways: Level 2 Sciences. Level 1 Science opens up the possibility of careers in Health Science, Vet Science, Sports Science, Agricultural Science, Engineering, Mechanics, Architecture, Building, Industrial Design, Technicians, Biochemistry, Nursing and many others.

Course Description: Students design their own course from a selection of Achievement Standards in Science. Note: be aware of the Standards which are pre-requisites for Level 2 Biology, Chemistry and Physics.

The possible topics to be covered are: *(The actual topics offered will depend on student demand)*

Science investigation *(internal)*
Learn to use of a range of scientific investigative approaches in a context, including pattern seeking, exploring and observing, modelling, classifying and identifying, fair testing.

Chemical reactions *(internal)*
Learn about neutralisation, combustion and precipitation reactions including rearranging atoms and redistributing energy; conservation of mass; patterns in types of chemical reactions; interpreting chemical equations; trends in the periodic table. The assessment is a report in the context of one chemical reaction.

Genetics variation in relation to an identified characteristic *(external via a report written during school time)*
Learn how tracking genetic variation provides a useful tool to show connections between living things. Explore sources of genetic variation, and link gene tracking to human endeavours such as care for an endangered species.

Energy in a physical system *(external examination)*
Learn about energy in the context of motion, heat and electricity. This is required for the study of Physics at Level 2.

Primary production
Learn about the relevance of agricultural and horticultural production to people and location. Understand that place and purpose of production is influenced by interrelated environmental, social, cultural, and economic reasons.

Mechanics investigation
Students conduct an investigation into a physics phenomena related to mechanics (force, motion energy) and report on their findings. The suggested contexts will be open ended and engaging.

The course will be assessed using a selection from the following Standards:

Standard	*Title of Standards*	*Internal/ External*	*Literacy/ Numeracy*	*Credit Value*	*Vocational Pathways*					
					C&I	M&T	PI	SI	S&CS	CI
AS91929	Demonstrate understanding of factors that influence the purpose and location of primary production	Internal	N/A	5			●			
AS92021	Demonstrate understanding of a chemical reaction in a specific context	Internal	N/A	6						
AS92022	Demonstrate understanding of genetic variation in relation to an identified characteristic	External	Literacy	5						
AS92045	Demonstrate understanding of a physical phenomenon through investigation	Internal	N/A	5	●	●	●	●		●
AS92047	Demonstrate understanding of energy in a physical system	External	Numeracy	5	●	●	●	●		●
AS91921	Demonstrate understanding of the use of a range of scientific investigative approaches in a context	Internal	N/A	5	●	●	●		●	●

Level 2 Biology

Entry Recommendations: 12 Credits in Science at NCEA Level 1 including AS 90948 (Demonstrate understanding of genetic variation). If a student does not meet the recommendations and wants to take this subject, then a whānau hui with the Head of Learning Area will be arranged.

Future Pathways: Scientific literacy is vital for an understanding of how our world works. The study of Biology in particular is essential for careers in the Health Sciences, Conservation, Environmental Management, Veterinary Science, Brewing, Agriculture and Horticulture.

Course Description: The Level 2 Biology course is designed to give students an understanding of life at the microscopic and molecular level. This course will give students a good basic understanding of life processes, how DNA carries information needed for all life, the workings of cells, and how genetic variation arises and maintained within populations. Students will also learn how to carry out investigations to enhance their understanding of biological ideas.

The course will be assessed using a selection from the following Standards:

Standard	*Title of Standards*	*Internal/ External*	*UE Reading/ Writing*	*Credit Value*	*Vocational Pathways*					
					C&I	M&T	PI	SI	S&CS	CI
AS 91156	Demonstrate Understanding of Life Processes at the Cellular Level.	External	Writing	4			●		●	
AS 91157	Demonstrate Understanding of Genetic Variation and Change.	External	Writing	4			●		●	
AS 91159	Demonstrate Understanding of Gene Expression.	External	N/A	4			●		●	
AS 91153	Carry out a practical investigation in a biology context, with supervision.	Internal	N/A	4		●	●	●	●	
AS 91158	Investigate a pattern in an ecological community, with supervision.	Internal	N/A	4			●			
AS 91155	Demonstrate understanding of adaptations of plants or animals to their way of life.	Internal	N/A	3			●	●	●	
AS 91190	Investigate how organisms survive in an extreme environment.	Internal	N/A	4						

Level 3 Biology (UE Approved)

Entry Recommendations: 12 Credits of Level 2 Biology, or by TIC approval. If a student does not meet the recommendations and wants to take this subject, then a whānau hui with the Head of Learning Area will be arranged.

Future Pathways: Scientific literacy is vital for an understanding of how our world works. The study of Biology in particular is essential for careers in the Health Sciences, Conservation, Environmental Management, Veterinary Science, Brewing, Agriculture and Horticulture.

Course Description: In the Level 3 Biology Course broadly covers three main areas. Genetics and evolution are taught in the context of human and primate evolution in AS 91606 and how plant and animal species arise in AS 91605. The way that plants and animals interact with each other and their environments is covered in the External Standard AS 91603, and the practical investigation AS 91601. Studying the human body and how it maintains its internal balance is the basis of AS 91604.

Course Costs: $36.00 approximately for optional textbook. Overnight field trip to Cawthron approximately $150.00.

The course will be assessed using a selection from the following Standards:

Standard	*Title of Standards*	*Internal/ External*	*UE Reading/ Writing*	*Credit Value*	*Vocational Pathways*					
					C&I	M&T	PI	SI	S&CS	CI
AS 91603	Demonstrate understanding of the responses of plants and animals to their external environment.	External	Reading/ Writing	5			●			
AS 91605	Demonstrate understanding of evolutionary processes leading to speciation.	External	Reading/ Writing	4		●	●		●	
AS 91606	Demonstrate understanding of trends in human evolution.	External	Reading/ Writing	4			●		●	
AS 91601	Carry out a practical investigation in a biological context, with guidance.	Internal	N/A	4		●	●		●	
AS 91604	Demonstrate Understanding of how an animal maintains a stable internal environment.	Internal	Reading	3			●		●	
AS 91602	Integrate biological knowledge to develop an informed response to a socio-scientific issue.	Internal	Reading	3		●	●		●	

Level 2 Chemistry

Entry Recommendations: Level 1 Science: a minimum of 12 Credits including Level 1 AS 90944 (Demonstrate understanding aspects of acids and bases). If a student does not meet the recommendations and wants to take this subject, then a whānau hui with the Head of Learning Area will be arranged.

Future Pathways: Most involve tertiary study and rely upon a good grounding in the major Chemistry ideas taught at Level 2 and 3.
Here are just a few ideas: Biochemistry, Botany, Chemistry, Dentistry, Engineering, Food Innovation, Food Science, Forensic Science, Geology, Human Nutrition, Marine Science, Neuroscience, Nursing, Teaching, and Wine Making.

Course Description:
We offer a mixture of internal and external Achievement Standards covering:

- **Reduction and Oxidation:** Reactions involving the gain and loss of electrons.
- **Atomic Structure, Bonding and Energy Changes:** This is about covalent and ionic bonding, and enthalpy.
- **Calculations:** The mathematical part of the course where we introduce the "mole".
- **Titrations:** This is all about the analysis of solutions.
- **Carbon Chemistry:** We look at the huge range of carbon containing molecules and introduce the main families of chemicals.
- **Chemical reactivity:** Investigating reaction rates, chemical equilibria and acid and base chemistry.

Note: Most topics will use Chemistry Workbooks containing essential information and study questions. These will be required for the course.

The course will be assessed using the following Standards:

Standard	*Title of Standards*	*Internal/ External*	*UE Reading/ Writing*	*Credit Value*	*Vocational Pathways*					
					C&I	M&T	PI	SI	S&CS	CI
AS 91167	Demonstrate understanding of oxidation-reduction	Internal	N/A	3	●	●	●	●		
AS 91164	Demonstrate an understanding of bonding, structure and energy changes.	External	N/A	5	●	●	●		●	
AS 91910	Carry out a practical investigation into a substance present in a consumer product using quantitative analysis.	Internal	N/A	4	●	●	●	●		
AS 91165	Demonstrate an understanding of the properties of selected organic compounds.	External	N/A	4	●	●	●	●	●	
AS 91166	Demonstrate understanding of chemical reactivity.	External	N/A	4	●	●	●	●	●	

Level 3 Chemistry (UE Approved)

Entry Recommendations: A minimum of 12 Credits from Level 2 Chemistry. If a student does not meet the recommendations and wants to take this subject, then a whānau hui with the Head of Learning Area will be arranged.

Future Pathways:
The course is an ideal grounding for further study in the tertiary sector.
Potential careers pathways include: Biochemistry, Botany, Chemistry, Dentist, Engineering, Food Innovation, Food Science, Forensic Science, Geology, Human Nutrition, Marine Science, Neuroscience, Nursing, and Teaching are just some of the options available to you with Chemistry!

Course Description:
We offer a range of Internal and External Achievement Standards in the following areas:

- **Investigation:** An individual assessment task.
- **Thermochemistry:** Why chemical reactions work and the ways energy is given out or taken in during a chemical reaction.
- **Properties of Particles and Substances:** Electronic structure and bonding, the forces holding particles and molecules together.
- **Organic Chemistry Reactions:** The conversions and conditions to change one organic molecule to another.
- **Spectroscopy:** This looks at the use of IR, NMR and Mass Spectroscopic methods of identifying chemicals.
- **Redox Reactions involving Electrochemical Cells**: Batteries and Electrolysis and Electrochemical cells.
- **Aqueous Systems:** This looks at solubility of compounds and at the chemistry of acids and bases.

Note: The course is designed to be flexible and cater for individual student needs. Most topics will use Chemistry Workbooks containing essential information and study questions. These will be required for the course.

The course will be assessed using a selection from the following Standards:

Standard	*Title of Standards*	*Internal/ External*	*UE Reading/ Writing*	*Credit Value*	*Vocational Pathways*					
					C&I	M&T	PI	SI	S&CS	CI
AS 91387	Carry out a practical investigation in Chemistry involving Quantitative Analysis.	Internal	N/A	4	●	●	●		●	●
AS 91390	Demonstrate understanding of thermochemical principles and the properties and particles of substances.	External	N/A	5	●	●	●		●	
AS 91391	Demonstrate understanding of the properties of organic compounds.	External	N/A	5	●	●	●	●	●	
AS 91388	Demonstrate understanding of spectroscopic data in chemistry.	Internal	N/A	3	●	●	●		●	
AS 91393	Demonstrate understanding of oxidation-reduction processes.	Internal	N/A	3	●	●	●		●	
AS 91392	Demonstrate understanding of equilibrium principles in aqueous systems.	External	N/A	5	●	●	●		●	
AS 91389	Demonstrate understanding of chemical processes in the world around us.	Internal	Reading/ Writing	3	●	●	●		●	

Level 2 Physics

Entry Recommendations: Achievement Standard Science 90940 (Mechanics), or approval by the teacher in charge. If a student does not meet the recommendations and wants to take this subject, then a whānau hui with the Head of Learning Area will be arranged.

Future Pathways: Include Level 3 Physics, Engineering, Medicine, Aviation, Space Travel, or just life in general.

Course Description:
Physics puts mathematics to good use in building an understanding of how the world works.

- **Waves –** Curvy mirrors and lenses; how do they work? Bending and interference of light. Lots of time to play with lasers.
- **Mechanics –** Forces and motion with vectors, Circular motion, Projectile motion, Collisions and Energy.
- **Electricity and electromagnetism –** Static electricity, DC circuits, Electromagnetism for motors and generators.
- **Atoms and radioactivity –** The atom: what is it and how do we know? Radioactivity and dating. $E=mc^2$.

The course will be assessed using the following Standards:

Standard	*Title of Standards*	*Internal/ External*	*UE Reading/ Writing*	*Credit Value*	*Vocational Pathways*					
					C&I	M&T	PI	SI	S&CS	CI
AS 91168	Carry out a practical physics investigation that leads to a non-linear mathematical relationship**.**	Internal	N/A	4	●	●	●			
AS 91170	Demonstrate understanding of waves.	External	N/A	4	●	●	●		●	
AS 91171	Demonstrate understanding of mechanics.	External	N/A	6	●	●	●		●	
AS 91172	Demonstrate understanding of atomic and nuclear physics.	Internal	N/A	3		●			●	
AS 91173	Demonstrate understanding of electricity and electromagnetism.	External	N/A	6	●	●	●			

Level 3 Physics (UE Approved)

Entry Recommendations: At least 14 Credits from Level 2 Physics or approval by teacher in charge. If a student does not meet the recommendations and wants to take this subject, then a whānau hui with the Head of Learning Area will be arranged.

Future Pathways*:*
Include Engineering, Medicine, Aviation, Space Travel, or just life in general.

Course Description:

- **Waves –** Standing waves in musical instruments; diffraction; interference; beating; the insidious Doppler Effect.
- **Mechanics –** vectors for forces and motion with an emphasis on circular, rotational and simple harmonic motion. Satellites; bungee jumps; banked corners and roller coaster loop-de-loops.
- **Electricity and electromagnetism –** investigating DC and AC electricity covering resistors, capacitor and inductors. This is the pathway to a lucrative career.
- **Modern Physics –** understanding atoms, photons and nuclei. Ever wondered why Einstein won the Nobel Prize? Where does Nuclear Power come from? What is Quantum Physics? Why does time slow down as you travel faster? This is the place to find out!

The course will be assessed using the following Standards:

Standard	*Title of Standards*	*Internal/ External*	*UE Reading/ Writing*	*Credit Value*	*Vocational Pathways*					
					C&I	M&T	PI	SI	S&CS	CI
AS 91521	Carry out a practical investigation to test a physics theory relating two variables in a non-linear relationship	Internal	N/A	4	●	●			●	
AS 91523	Demonstrate understanding of wave systems	External	N/A	4	●	●	●		●	
AS 91524	Demonstrate understanding of mechanical systems	External	N/A	6	●	●	●		●	
AS 91525	Demonstrate understanding of Modern Physics	Internal	N/A	3	●	●			●	
AS 91526	Demonstrate understanding of electrical systems	External	N/A	6	●	●	●		●	

SOCIAL SCIENCE

Level 1 Humanities

***Entry Recommendations**:* None.

Future Pathways: The Social Science course encourages the development of a range of skills useful in a wide range of careers. These skills include being able to communicate effectively, locate and analyse information and viewpoints, construct a logical argument based on evidence, and most importantly be able to think for yourself.

***Course description*:** The Level 1 Social Science course is designed as an introduction to Geography and History. It contains the core skills required for all these subjects at Levels 2 and 3. These include Geographic skills, essay writing skills, communication of ideas, working with historical sources, looking at people's viewpoints, and communicating understanding in a variety of contexts.

The **Geography** part of the course looks at foundational geographic concepts, firstly through looking at concepts around how people, resources and natural phenomena are distributed throughout New Zealand and the world in 91932 and then how natural processes operate in local settings and further afield in New Zealand and the world in the external 91934.

The **History** part of the course looks at the foundational idea of where our history comes from, going right back to the primary sources and evidence that has informed our understanding of history over the years through 92024.

Course costs: **Nil**

This course is the proposed course for 2024 based on the current information available, it may be subject to change but all students will be kept informed if any changes occur.

Standard	*Title of Standards*	*Internal/ External*	*UE Reading/ Writing*	*Credit Value*	*Vocational Pathways*					
					C&I	M&T	PI	SI	S&CS	CI
History										
AS 92024	Engage with a variety of primary sources in a historical context	Internal	NA	5				•	•	•
Geography										
AS 91932	Demonstrate understanding of the spatial distribution of phenomena and its impacts within te taiao	Internal	Literacy	5	•		•	•		
AS 91934	Demonstrate understanding of how natural processes operate within te taiao.	Internal	Literacy	5	•	•	•	•		•

Level 2 Classical Studies

Entry Recommendations: There is no specific entry requirement for Level 2 Classical Studies. However, students are advised that gaining a minimum of 14 credits in at least one of the following Level 1 subjects is desirable: English, Social Science or Science.

Future Pathways: The emphasis with Classical Studies is not on the knowledge gained but the thinking skills developed along the way including the ability to communicate effectively, locate and analyse information and viewpoints, construct a logical argument based on evidence, and most importantly be able to think for yourself. These are all skills essential for success in careers such as law, journalism, advertising and marketing, local and national government, tourism, business management, the military, and much more.

Course description: Students will also be introduced to concepts directly related to Classical civilizations with the focus on Rome. The key concepts covered include citizenship and society, culture and identity, empire and power, conflict, art and aesthetics, and heritage. Students will be encouraged to link themes from the classical world with our world today.

Course Costs: Nil

The course will be assessed using the following Standards:

Standard	*Title of Standards*	*Internal/ External*	*UE Reading/ Writing*	*Credit Value*	*Vocational Pathways*					
					C&I	M&T	PI	SI	S&CS	CI
AS 91202	Demonstrate understanding of a significant event in the Classical World	Internal	Reading	4						•
AS 91204	Demonstrate understanding the relationship between aspects of the classical world and aspects of other cultures.	Internal	Reading	6						•
AS 91203	Examine Social and Political life in the Classical World	External	Reading/ Writing	6						•
AS 91200	Examine ideas and values of the classical world.	External	Reading/ Writing	4						•

Level 3 Classical Studies (UE Approved)

Entry Recommendations: There is no specific entry requirement for Level 3 Classical Studies. However, students are advised that gaining a minimum of 14 credits in at least one of the following Level 2 subjects is desirable: English, History, Geography or Biology.

Future Pathways: The emphasis with Classical Studies is not on the knowledge gained but the thinking skills developed along the way including the ability to communicate effectively, locate and analyse information and viewpoints, construct a logical argument based on evidence, and most importantly be able to think for yourself. These are all skills essential for success in careers such as law, journalism, advertising and marketing, local and national government, tourism, business management, the military, and much more.

Course Description: The focus is on Alexander the Great. It enables students to examine the concept of the great individual within the wider context of History. This includes looking at both the positive and negative aspects of the human psyche as reflected a very flawed personality. Students will be expected to explore both ancient and modern sources of information to build up a picture of Alexander. They will also embark on a timeless journey through many of the places currently inaccessible to us today due to war, terrorism and conflict yet beamed direct to our myriad of electronic devices.

Course Costs: Nil

The course will be assessed using the following Standards:

Standard	*Title of Standards*	*Internal/ External*	*UE Reading/ Writing*	*Credit Value*	*Vocational Pathways*					
					C&I	M&T	PI	SI	S&CS	CI
AS 91396	Analyse the impact of a significant historical figure in the Classical World	External	Reading/ Writing	6						•
AS 91397	Demonstrate understanding of significant ideology(ies) in the Classical World	Internal	Reading	6						•
AS 91398	Demonstrate understanding of the lasting influences of the classical world on other cultures across time	Internal	Reading	6						•
AS 91437	Analyse different perspectives of a contested event of significance to New Zealanders-optional for students not doing History	External	Reading	4						•

Level 2 Geography

***Entry Recommendations*:** 14 Credits at Level 1 Social Science. If a student does not meet the recommendations and wants to take this subject, then a whānau hui with the Head of Learning Area will be arranged.

Future pathways: Geography is unique in that it focuses on the physical earth (Natural environment) as well as the Human (Cultural) environment that we live in and the interactions between the two environments therefore, the career possibilities are numerous. Some examples are: Land Surveyors, Coastal protection designer and Engineer, Map makers, Teachers, Social Workers, working in International Relations and development issues, Conservator, Weather Forecaster, Geologist, City Planners, Resource management and environmental officers, and Criminologist's working in the Police.

Level Three Geography will require you to gain at least 14 Credits in Level 2.

***Course description*:** This course incorporates both Physical and Human Geography. Within each topic there is an emphasis on patterns, processes and skills. This course examines topics on both a local and global scale, looking at both historic and contemporary ideas and information.

The course will be assessed using a selection from the following Standards.

Standard	*Title of Standards*	*Internal/ External*	*UE Reading/ Writing*	*Credit Value*	*Vocational Pathways*					
					C&I	M&T	PI	SI	S&CS	CI
AS 91241	Demonstrate geographic understanding of an urban pattern	Internal	N/A	3	•			•		
AS 91243	Apply concepts and geographic skills to demonstrate understanding of a given environment	External	N/A	4	•		•	•		
AS 91245	Examine aspects of a contemporary geographic issue	Internal	N/A	3				•	•	•
AS 91246	Explain aspects of a geographic topic at a global scale	Internal	N/A	3			•	•		
AS 91240	Demonstrate geographic understanding of a large natural environment	External	*Reading*	4			•	•		
AS 91243	Apply concepts and geographic skills to demonstrate understanding of a given environment	External	N/A	4	•		•	•		
AS 91244	Conduct geographic research with guidance	Internal	N/A	5				•		•

Level 3 Geography (UE Approved)

***Entry Recommendations**:* 14 Credits at Level 2 Geography or History. If a student does not meet the recommendations and wants to take this subject, then a whānau hui with the Head of Learning Area will be arranged.

Future Pathways: Geography is unique in that it focuses on the physical earth (Natural environment) as well as the Human (Cultural) environment that we live in and the interactions between the two environments therefore, the career possibilities are numerous. Some examples are: Land Surveyors, Coastal protection designer and Engineer, Map makers, Teachers, Social Workers, working in International Relations and development issues, Conservator, Weather Forecaster, Geologist, City Planners, Resource management and environmental officers, and Criminologist's working in the Police.

Course description: This course incorporates both Physical and Human Geography. Each topic is based around the key ideas of patterns, processes and interactions, as well as building up essential skills. This course has a local focus, examining issues and processes within our environment. Regional, National and Global settings are also explored.

***Course Costs*:** Travel costs for major field trip to Hanmer Springs, approximately **$190.00.**

The course will be assessed using a selection from the following Standards:

Standard	*Title of Standards*	*Internal/ External*	*UE Reading/ Writing*	*Credit Value*	*Vocational Pathways*					
					C&I	M&T	PI	SI	S&CS	CI
AS 91426	Demonstrate understanding of how interacting natural processes shape a New Zealand geographic environment.	External	*Reading/ Writing*	4			•	•		
AS 91428	Analyse a significant contemporary event from a geographic perspective	Internal	*Reading*	3				•		
AS 91429	Demonstrate understanding of a given environment(s) through the selection and application of geographic concepts and skills	External	*Reading/ Writing*	4	•		•	•		
AS 91430	Conduct geographic research with consultation	Internal	N/A	5				•		
AS 91431	Analyse aspects of a contemporary geographic issue	Internal	*Reading*	3				•	•	•
AS 91432	Analyse a geographic topic at a global scale	Internal	Reading	3			•	•		•

Level 2 History

Entry Recommendations: Students should have gained a minimum of 15 credits at Level 1 in Social Science including at least 8 History credits. If students have not taken Level 1 Social Science then they will need to have gained at least 14 credits in either Level 1 English or Science. If a student does not meet the recommendations and wants to take this subject, then a whānau hui with the Head of Learning Area will be arranged.

Future Pathways: Level 3 History**,** and with tertiary study careers such as law, journalism, advertising and marketing, local and national government, tourism, business management, the military, and more.

Course description: The course builds on skills students have developed at Level 1 Social Science specific to success in History. These include essay writing, examining people's perspectives of historical events, communicating understanding in a range of contexts, and working with primary documents. The course is based around the concepts of significance, continuity and change, cause and effect, and perspectives of the past.

The course will be assessed using a selection from the following Standards:

Standard	*Title of Standards*	*Internal/ External*	*UE Reading/ Writing*	*Credit Value*	*Vocational Pathways*					
					C&I	M&T	PI	SI	S&CS	CI
AS 91229	Carry out an inquiry of an historical event or place that is of significance to New Zealanders	Internal	*Reading*	4				•		•
AS 91230	Examine an historical event, or place, of significant to New Zealanders	Internal	*Reading*	5				•		•
AS 91232	Interpret different perspectives of people in an historical event of significance to New Zealanders	Internal	*Reading*	*5*						•
AS 91231	Examine sources of an historical event that is of significance to New Zealanders	External	*Reading/ Writing*	4						•

Level 3 History (UE Approved)

Entry Recommendations: Students should have gained a minimum of 14 credits at Level 2 in History. If students have not taken Level 2 History then they will need to have gained at least 14 credits in at least one of the following, Level 2 English, Level 2 Biology or Level 2 Geography. If a student does not meet the recommendations and wants to take this subject, then a whānau hui with the Head of Learning Area will be arranged.

Future Pathways: Tertiary study careers such as law, journalism, advertising and marketing, local and national government, tourism, business management, the military, and more. The emphasis with History is not on the knowledge gained but the thinking skills developed along the way. The unit about the Treaty of Waitangi provides students with knowledge and understanding of an issue relevant to all New Zealanders. A wide range of careers require a sound grasp of the Treaty and its principles.

Course description: The course builds on skills developed in Level 2 History. These include essay writing, examining people's perspectives of historical events, communicating understanding in a range of contexts, and working with primary documents. By the end of the course students should have developed a range of skills required for success when embarking on a tertiary based course of study in History and other Social Science based options.

The course will be assessed using the following Standards:

Standard	*Title of Standards*	*Internal/ External*	*UE Reading/ Writing*	*Credit Value*	*Vocational Pathways*					
					C&I	M&T	PI	SI	S&CS	CI
AS 91434	Research an historical event or place of significance to New Zealanders, using primary and secondary sources	Internal	Reading/ Writing	5			•	•		
AS 91435	Analyse an historical event, or place, of significance to New Zealanders	Internal	Reading	5			•	•		•
AS 91436	Analyse evidence relating to an historical event of significance to New Zealanders	External	Reading/ Writing	4			•			
AS 91437	Analyse different perspectives of a contested event of significance to New Zealanders	Internal	Reading	5						•

Level 2 and 3 Tourism

***Entry Recommendations**:* Open entry, suits students who cope well with self-directed work.

Future Pathways: This course provides students with introductory knowledge and skills useful for future training and a career in the Tourism industry.

Course description: Students will be able to select workbooks and assessments from the Level 2 and 3 unit Standards listed below. They are theory-based and do not require a work placement in the Tourism industry. However, some students may choose to also do Gateway and complete a Tourism or Customer Service work experience placement. **Note**: this course is unlikely to run as a stand-alone subject. The unit Standards are likely to be completed in a Gateway/Ready for Work class.

Course costs: Students who do not complete work books they have selected will be charged the cost of the booklet.

Neither Level 2 nor Level 3 courses offer endorsement.
The course will be assessed using a selection from the following Standards:

Level 2

Standard	*Title of Standards*	*Internal/ External*	*UE Reading/ Writing*	*Credit Value*	*Vocational Pathways*					
					C&I	M&T	PI	SI	S&CS	CI
US 24728	Demonstrate knowledge of work roles in tourism	Internal	N/A	3				•		
US 24729	Demonstrate knowledge of world tourist destinations	Internal	N/A	4				•		
US 24731	Demonstrate knowledge of destination New Zealand	Internal	N/A	4				•		
US 24732	Demonstrate knowledge of tourist characteristics and needs	Internal	N/A	3				•		
US 24726	Describe and compare social and cultural impacts of tourism	Internal	N/A	3				•		
US 24727	Describe and compare impacts of tourism on the physical environment	Internal	N/A	3				•		
US 24724	Demonstrate knowledge of the history of tourism	Internal	N/A	4				•		
US 23761	Read and comprehend work-related documents in English for a tourism workplace	Internal	N/A	3				•		

Level 3

Standard	*Title of Standards*	*Internal/ External*	*UE Reading/ Writing*	*Credit Value*	*Vocational Pathways*					
					C&I	M&T	PI	SI	S&CS	CI
US 3727	Demonstrate knowledge of Pacific Island countries as tourist destinations	Internal	N/A	5				•		
US 24733	Demonstrate and promote a New Zealand tourist destination	Internal	N/A	4				•		
US 18212	Demonstrate knowledge of New Zealand as a tourist destination	Internal	N/A	8				•		
US 25192	Demonstrate knowledge of airline terminology and products used in the travel industry	Internal	N/A	4				•		
US 25193	Demonstrate knowledge of ground terminology and products used in the travel industry	Internal	N/A	4				•		
US 18228	Demonstrate knowledge of specific New Zealand regions as tourist destinations	Internal	N/A	8				•		

VISUAL ARTS

Level 1 - Practical Art

Entry Recommendations*: Nil.*

Future Pathways: This is a foundation course that gives students the skills for any of the visual arts, leading to Painting, Printmaking, Sculpture and Photography practice. It also has a foundation in such areas as; architecture, design, fashion, film, signage, hairdressing and many other courses that involve creative problem solving.

Course description: A practical course involving research, drawing, painting, photography, sculpture and printmaking. Students learn from artist models, study aspects of bi-cultural features within the visual arts and start to develop their own skills, ideas, styles and creative problem solving. The external submission is in the form of a one panel folio and/or a workbook.

Course costs: Approximately $40.

Stationery cost: Students will be expected to purchase at least 2 suitable workbooks, have access to their own set of acrylic paints, and start a collection of their own tools including brushes, pencils and pens.

The course will be assessed using the following Standards:

Standard	*Title of Standards*	*Internal/ External*	*Literacy/ Numeracy*	*Credit Value*	*Vocational Pathways*					
					C&I	M&T	PI	SI	S&CS	CI
AS 91912	Use practical-based visual inquiry to explore Aotearoa New Zealand Maori context and another cultural context.	Internal	N/A	5				●		●
*AS 91913	Produce resolved artwork appropriate to established art making conventions.	Internal	N/A	5						●
AS 91914	Explore Visual Arts processes and conventions to inform own art making.	Internal	N/A	5						●
AS 91915	Create a sustained body of related artworks in response to an art making proposition.	External	N/A	5						●

***** ***Could have been completed in Year 10.***

Level 2 - Painting and Photography

Students for full year folio courses have two choices from Painting and Photography. One subject can be taken or both. Those selecting a modular approach can construct courses using any of the Standards available, except for the external folio standard.

Please note: *Because of the broad nature of Painting and Photography, if a student has an interest in another medium such as printmaking, sculpture or digital image making, these topics can be explored under the subjects of Painting or Photography and gain achievement standard credits.*

Entry Recommendations*: Preferably Level One Visual Art.* If a student does not meet the recommendations and wants to take this subject, then a whānau hui with the Head of Learning Area will be arranged.

Painting

Future Pathways: The full year course leads to Level Three Painting. This foundational painting course provides a body of knowledge and skills to further enhance development of pathways into a range of levels of tertiary education because it is based on creative problem solving. This may include visual arts specifically, but also includes architecture, photography, graphic design, set design, fashion, film, animation, signage, hairdressing and many other courses and career pathways that involve creative problem solving.

Course description: There is both guided and individual study of traditional and contemporary methods and ideas.

Students apply their understanding of painting through the development of their own work on a theme. The external submission is in the form of a two-panel folio, which if successfully completed to Merit or Excellence carries an endorsement in this subject.

Course costs: Approximately $40.00. Students will be expected to purchase suitable workbooks, have access to their own set of acrylic paints, and start a collection of their own tools including brushes and a range of pencils.

The course will be assessed using a selection from the following Standards:

Standard	*Title of Standards*	*Internal/ External*	*UE Reading/ Writing*	*Credit Value*	*Vocational Pathways*					
					C&I	M&T	PI	SI	S&CS	CI
AS 91311	Use drawing methods to apply knowledge of conventions appropriate to painting.	Internal	N/A	4						•
AS 91306	Demonstrate an understanding of methods and ideas from established practice appropriate to painting.	Internal	N/A	4						•
AS 91316	Develop ideas in a related series of drawings appropriate to established painting practice.	Internal	N/A	4						•
AS 91321	Complete Folio: Produce a systematic body of work that shows understanding of art making conventions and ideas within painting.	External	N/A	12						•
AS 91325	Produce a resolved work that demonstrates purposeful control of skills appropriate to cultural conventions	Internal	N/A	4						•

Photography

Entry Requirement: Helpful to have level 1 Art as a foundation. If a student does not meet the recommendations and wants to take this subject, then a whānau hui with the Head of Learning Area will be arranged.

Future Pathways: This course leads to a variety of tertiary visual art courses in universities, polytechnics and private providers, including professional photography, (commercial, advertising, general), or specialist fields such as police, press, medical and military photography, radiography, and digital processing.

Course description: Photography offers a *full-year* course in digital photography. There is both guided and individual study of traditional and contemporary photographers work and methods. Students develop their own work on a theme for internal Standards and/or external folio. The external is a two-panel folio, which can carry an endorsement in this subject. Access to a single lens reflex digital camera with manual control is an advantage.

Course costs: The school provides digital cameras for photography students. Printing costs and folio boards will incur additional costs for students.

The course will be assessed using a selection from the following Standards:

Standard	*Title of Standards*	*Internal/ External*	*UE Reading/ Writing*	*Credit Value*	*Vocational Pathways*					
					C&I	M&T	PI	SI	S&CS	CI
AS 91307	Demonstrate an understanding of methods and ideas from established practice appropriate to photography	Internal	N/A	4						●
AS 91312	Use drawing methods to apply knowledge of conventions appropriate to photography	Internal	N/A	4						●
AS 91317	Develop ideas in a related series of drawings appropriate to established photography practice	Internal	N/A	4						●
AS 91322	Folio: Produce a systematic body of work that shows understanding of art making conventions and ideas within photography.	External	N/A	12						●
AS 91325	Produce a resolved work that demonstrates control of skills appropriate to cultural conventions	Internal	N/A	4						●

Level 3 – Painting and Photography (UE Approved)

Students are advised to select one or both subjects from the fields of Painting and Photography.

Please note: *Because of the broad nature of Painting and Photography, if a student has an interest in another medium such as printmaking, sculpture or digital image making, these topics can be explored under the subjects of Painting or Photography and gain the required achievement Standards.*

Painting

Entry Recommendations*: Preferably Level 2 Painting or Photography.* If a student does not meet the recommendations and wants to take this subject, then a whānau hui with the Head of Learning Area will be arranged.

Future Pathways: This course leads to a variety of tertiary visual art courses through universities, polytechnics and private providers. This may include any of the specific visual arts but also include creative problem solving fields such as: architecture, photography, graphic design, fashion, film, animation, signage and many other courses accessible at a tertiary level or other career pathways that involve creative problem solving.

***Course description*:** A practical course involving research, drawing and painting. Students will be required to present a thematic study of subject matter and show evidence of work from artist models, both national and international, while they continue to develop their own skills and ideas. The external submission is in the form of a three-panel folio, which if completed to Merit or Excellence carries endorsement.

Course costs: Approximately $40. Students will be expected to purchase suitable workbooks, have access to their own set of acrylic paints, and start a collection of their own tools including brushes and a variety of pencils and pens.

The course will be assessed using a selection from the following Standards:

Standard	Title of Standards	Internal/ External	UE Reading/ Writing	Credit Value	Vocational Pathways					
					C&I	M&T	PI	SI	S&CS	CI
AS 91441	Analyse methods and ideas from established painting practice	Internal	Reading	4				●		●
AS 91446	Use drawing to demonstrate understanding of conventions appropriate to painting	Internal	N/A	4						●
AS 91451	Systematically clarify ideas using drawing informed by established painting practice	Internal	N/A	4						●
AS 91456	Produce a systematic body of work that integrates conventions and regenerates ideas within painting practice	External	N/A	14						●

Photography

Entry Recommendations*:* Preferably Level 2 Photography, Painting. If a student does not meet the recommendations and wants to take this subject, then a whānau hui with the Head of Learning Area will be arranged.

Future Pathways: This course leads to a variety of tertiary visual art courses through universities, polytechnics and private providers. This may include professional photography, (commercial, advertising, general), or specialist fields such as police, press, medical and military photography. Other areas include radiography, and digital processing.

Course description: Students will be required to present a thematic study to show evidence, through thumbnails, sketches and photographs, of their extensive understanding of photography as picture making. They will work from artist models (both national and international) and continue to develop their skills, ideas and style. The external submission is in the form of a three panel-panel portfolio.

Course costs: A digital single lens reflex camera with manual controls and zoom lens is needed for the year. Extra lenses are an advantage, as is a steady tripod, but they are not essential.
Paper, printing costs and folio boards will incur additional costs for students.
Senior students will be expected to attend a class trip to Nelson related to exemplars and portfolio presentation.

The course will be assessed using a selection from the following Standards:

Standard	Title of Standards	Internal/ External	UE Reading/ Writing	Credit Value	Vocational Pathways					
					C&I	M&T	PI	SI	S&CS	CI
AS 91442	Analyse methods and ideas from established photography practice	Internal	Reading	4				●		●
AS 91447	Use drawing to demonstrate understanding of conventions appropriate to photography	Internal	N/A	4						●
AS 91452	Systematically clarify ideas using drawing informed by established photography practice	Internal	N/A	4						●
AS 91457	Produce a systematic body of work that integrates conventions and regenerates ideas within photography practice	External	N/A	14						●

PLANNING FOR THE FUTURE

Aspiring to achieve U.E. Y/N

CAREER PLAN A:

What qualifications/training do I need?

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CAREER PLAN B:

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CAREER UNKNOWN:

What am I interest in?

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How will I keep my options open?

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NCEA LEVEL 3	NCEA LEVEL 2	NCEA LEVEL 1
_____	_____	1. English
_____	_____	2. Mathematics
_____	_____	3. Science
_____	_____	4. _____
_____	_____	5. _____
	_____	6. _____

Who do I need to see?

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What information do I need to find out?

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Where can I find the information I need?

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