



# SENIOR SCHOOL COURSE INFORMATION FOR 2022



# Contents

GENERAL INFORMATION .....	5
<i>NCEA Level 1</i> .....	5
<i>NCEA Level 2</i> .....	5
<i>NCEA Level 3</i> .....	5
<i>Merit and Excellence endorsements</i> .....	5
<i>Course endorsements</i> .....	6
<i>University Entrance (UE)</i> .....	6
<i>Vocational Pathways</i> .....	6
AQUACULTURE.....	7
<i>Level 2 and 3 Aquaculture</i> .....	7
CONSTRUCTION AND MECHANICAL TECHNOLOGY .....	8
<i>Level 1 Construction and Mechanical Technologies</i> .....	8
<i>Level 1 Building, Construction, and Allied Trades Skills</i> .....	8
<i>Level 2 Building, Construction, and Allied Trades Skills</i> .....	9
<i>Level 3 Building, Construction, and Allied Trades Skills</i> .....	10
<i>Level 2 Mechanical Engineering</i> .....	11
<i>Level 3 Mechanical Engineering</i> .....	12
CORRESPONDENCE COURSES (Te Kura).....	13
DIGITAL TECHNOLOGIES 2022 .....	14
<i>Level 1 Digital Technologies</i> .....	14
<i>Level 2 Digital Technologies</i> .....	15
ENGLISH .....	16
<i>Level 1 English</i> .....	16
<i>Level 1 Literacy</i> .....	17
<i>Level 2 English</i> .....	17
<i>Level 3 English (UE approved)</i> .....	18
GATEWAY .....	20
<i>Levels 2 and 3</i> .....	20
HOSPITALITY – COOKERY .....	21
<i>Level 1 Hospitality – Cookery</i> .....	21
<i>Level 2 Hospitality – Cookery</i> .....	22
<i>Level 3 Hospitality</i> .....	22
MĀORI.....	24
<i>Level 1 Māori</i> .....	24

<i>Level 2 Māori</i> .....	25
<i>Level 3 Māori</i> .....	25
MATHEMATICS.....	27
<i>Level 1 Mathematics with Algebra</i> .....	27
<i>Level 1 Mathematics</i> .....	28
<i>Level 2 Mathematics with Algebra</i> .....	28
<i>Level 2 Mathematics with Statistics</i> .....	29
<i>Level 3 Mathematics – Calculus (UE Approved)</i> .....	30
<i>Level 3 Mathematics – Statistics (UE Approved)</i> .....	30
OUTDOOR EDUCATION.....	31
<i>Level 2 Outdoor Education</i> .....	31
<i>Level 3 Outdoor Education</i> .....	32
PHYSICAL EDUCATION.....	34
<i>Pathways</i> .....	34
<i>Level 1 Physical Education</i> .....	34
<i>Level 2 Physical Education</i> .....	35
<i>Level 3 Physical Education (UE Approved)</i> .....	35
<i>Level 3 Growing Coaches Plus – Skills Active</i> .....	36
READY FOR WORK.....	37
<i>Level 2 and 3 Ready for Work</i> .....	37
<i>Level 2</i> .....	37
<i>Level 3</i> .....	38
SCIENCE.....	39
<i>Level 1 Science</i> .....	39
<i>Level 2 Biology</i> .....	40
<i>Level 3 Biology (UE Approved)</i> .....	41
<i>Level 2 Chemistry</i> .....	42
<i>Level 3 Chemistry (UE Approved)</i> .....	44
<i>Level 2 Physics</i> .....	45
<i>Level 3 Physics (UE Approved)</i> .....	46
SOCIAL SCIENCE.....	47
<i>Level 1 Humanities</i> .....	47
<i>Level 2 Geography</i> .....	48
<i>Level 3 Geography (UE Approved)</i> .....	49
<i>Level 2 History</i> .....	49
<i>Level 3 History (UE Approved)</i> .....	50

<i>Level 2 Classical Studies</i> .....	51
<i>Level 3 Classical Studies (UE Approved)</i> .....	52
<i>New Zealand Certificate in Tourism (Introductory skills)</i> .....	52
Level 2/3 Tourism .....	52
SPANISH .....	54
<i>Level 1 Spanish</i> .....	54
VISUAL ARTS.....	55
<i>Level 1 – Practical Art</i> .....	55
<i>Level 2 – Painting, Printmaking and Photography</i> .....	55
Level 2 Painting.....	56
Level 2 Printmaking .....	56
Level 2 Photography .....	57
<i>Level 3 – Painting, Printmaking and Photography (UE Approved)</i> .....	58
Level 3 Painting.....	58
Level 3 Printmaking .....	59
Level 3 Photography .....	60
PLANNING FOR THE FUTURE.....	61

# GENERAL INFORMATION

## NCEA Level 1

Students will select 3 subjects to study in addition to courses of English, Mathematics and Science.

### Requirements for NCEA Level 1

- Students must gain 10 Literacy credits at Level 1 or above.
- Students must gain 10 Numeracy credits at Level 1 or above
- Standards eligible for recognition of Numeracy or Literacy are indicated in the course outlines.
- A minimum of 80 credits at Level 1 or above from Achievement Standards and/or Unit Standards.

## 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 2022 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.
- Excellence endorsements at Level 2 may receive between \$5,000 and \$2,500 on entering some Universities.

## 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) will continue to be the minimum requirement to go to a New Zealand University. To be awarded UE you will need:

- NCEA Level 3.
- Three subjects – at Level 3 or above, made up of:
  - 14 Credits each, in three approved subjects.
- Literacy – 10 Credits at Level 2 or above made up of:
  - 5 Credits in Reading.
  - 5 Credits in Writing.
- 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.

Vocational Pathways Awards mean that you have developed skills, and achieved in areas that employer’s 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)**

Each standard of a course is or will be linked to a Pathway and is indicated by the above abbreviations in the course booklet.

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.

<http://youthguarantee.net.nz/start-your-journey/>

# AQUACULTURE

## Level 2 and 3 Aquaculture

### Entry Requirements:

None, but places 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. As part of the course students will learn to build and maintain aquaculture tank systems and care for fish. The senior students may take Aquaculture in Year 12 or Year 13, as the Achievement and Unit Standards offered below are at Levels 2 and 3.

### Course Costs:

The Golden Bay High School Aquaculture course is funded by the school and through the generous support of the Marine Farming Association, and local businesses.

### Reference Person:

Mr. MacKenzie.

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

(Further Standards are possible by negotiation according to individual student requirements.)

Standard	Level	Title of Standards	Internal / External	Numeracy/ Literacy UE Reading/ Writing	Credit Value	Vocational Pathways					
						C&I	M&T	PI	SI	S&CS	CI
AS 91154	2	Analyse the biological validity of information presented to the public.	Internal	Literacy/ UE Reading and Writing	4			•		•	
AS 91153	2	Carry out a practical investigation in a biology context, with supervision.	Internal	N/A	4	•	•	•	•		
US 16338	2	Outline how New Zealand Greenshell mussel spat (kutai, kuku) are obtained and used.	Internal	N/A	5						
AS 91354	2	Undertake brief development to address an issue.	Internal	Literacy	4				•		
US 19491	3	Maritime VHF Radio Operators Certificate.	Internal	N/A	3						
US 16340	3	Describe the biology of the New Zealand Greenshell Mussel (kutai, kuku).	Internal	N/A	5						
US 19851	3	Describe the biology of a fin fish.	Internal	N/A	5						
AS 91686	2	Conduct an inquiry into the use of organisms to meet future needs.	Internal	N/A	4						
AS 91869	3	Analyse future proofing strategies to ensure long term viability of a business.	Internal	N/A	4						

# CONSTRUCTION AND MECHANICAL TECHNOLOGY

## Level 1 Construction and Mechanical Technologies

### Entry Requirements:

Nil

### Future Pathways:

Level 2 Construction and Mechanical Technologies, then possibly onto either University studies, Apprenticeships or Polytechnic Studies.

### Course Description:

The course provides an opportunity to begin a programme of study that will involve you designing and constructing products that are primarily made from resistant materials, either metal or wood. This includes Achievement Standards that focus on the acquisition of theoretical and practical knowledge and designing skills. You will choose which material (Metal or Wood) that you prefer to work with.

### Course Costs:

There will be some material and hardware costs, some personal equipment costs such as drawing equipment and stationery. The amount of material and hardware costs will be dependent on the students' choice of project. Course take home material costs can be on average approximately \$150.00.

**The course will be assessed using a selection of the following Standards: (This course is endorsable.)**

Standard	Title of Standards	Internal/ External	UE Reading/ Writing	Credit Value	Vocational Pathways						
					C&I	M&T	PI	SI	S&CS	CI	
AS 91047	Undertake development to make a prototype to address a brief.	Internal	N/A	6	•		•				
AS 91057	Implement basic procedures using resistant materials to make a specified product.	Internal	N/A	6	•		•				
AS 91059	Demonstrate understanding of basic concepts used to make products from resistant materials.	Internal	N/A	4	•		•				
AS 91049	Demonstrate understand how materials enable technological products to function.	External	N/A	4	•		•				
AS 91064	Produce instrumental, multi-view orthographic drawings that communicate technical features of design.	External	N/A	3	•		•				

## Level 1 Building, Construction, and Allied Trades Skills

### Entry Requirements:

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.



**The course will be assessed using a selection of the following standards. (This course is not endorsable.)**

Standard	Title of Standards	Internal/ External	UE Reading/ Writing	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	•		•			
US 24355	Demonstrate knowledge of construction and manufacturing materials used in BCATS projects.	Internal	N/A	4	•		•			
US 25919	Use hardware and fastenings for a BCATS project.	Internal	N/A	2	•		•			
US 25920	Use joints for a BCATS project.	Internal	N/A	3	•		•			

## **Level 2 Building, Construction, and Allied Trades Skills**

### **Entry Requirements:**

Level 1 Building and Construction and Allied Trade Skills or Level 1 Mechanical Engineering or through an interview with the Teacher.

### **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, 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.

**(Please see next page for Standards)**

**The course will be assessed using a selection from the following Standards: (This course is not endorsable.)**

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	•						
US 12933	Complete minor concrete works as a BCATS project.	Internal	N/A	2	•						
US 24357	Receive instructions and communicate information in relation to BCATS projects.	Internal	N/A	4	•						
US 24358	Plan and monitor the construction of a BCATS project, and quality check the product.	Internal	N/A	2	•						
US 12936	Construct a non-consent timber framed utility building as a BCATS project.	Internal	N/A	8	•						

### **Level 3 Building, Construction, and Allied Trades Skills**

**Entry Requirements:**

Level 2 Building and Construction and Allied Trade Skills.

**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, 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.

*The course will be assessed using a selection from the following Standards: (This course is not endorsable.)*

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 29683	Incorporate other Building, Construction and Allied Trades into Stage 3 BCATS projects.	Internal	N/A	2	•		•				
US 29682	Select use and maintain tools, equipment and machines for a Stage 3 BCATS project.	Internal	N/A	4	•						
US 29681	Measure and calculate for a Stage 3 BCATS project.	Internal	N/A	3	•						
US 29680	Communicate and collaborate for a Stage 3 BCATS project.	Internal	N/A	5	•						
US 29679	Develop and use documentation for a Stage 3 BCATS project.	Internal	N/A	8	•						
US 29678	Knowledge and select Materials for a BCATS project.	Internal	N/A	4	•						
US 29677	Health and safety in a BCATS project.	Internal	N/A	2	•						

## Level 2 Mechanical Engineering

### **Entry Requirements:**

Level 1 Mechanical Engineering.

### **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 \$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.

***(Please see next page for Standards)***

**The course will be assessed using a selection from the following standards. (This course is not endorsable.)**

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 Requirements:

Level 2 Mechanical Engineering.

### 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.

**The course will be assessed using a selection from the following Standards. (This course is not endorsable.)**

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		•					

## 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, caregivers 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. Students 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.

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:***

Four periods per week is 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 2022

The term Digital Technologies is used to describe the use of digital resources to effectively find, analyse, create, communicate, and use information in a digital context.

At senior level, Digital Technologies is made up of five specialist areas: Digital Information, Digital Media, Digital Infrastructure, Programming and Computer Science, and Electronics.

## Level 1 Digital Technologies

### Entry Requirements:

An interest in developing skills and knowledge through the use of Digital Technologies.

### Future Pathways:

This course gives students the opportunity to explore a range of applications, which they will use across the curriculum, in Digital Information, Media and Programming.

Digital Technology continues through Levels 2 and may include Level 3 if a student has progressed through the levels and displayed appropriate aptitude.

Vocations are available in Computer Programming, Animation, Graphic Design, Game Development, Web Development or Project Management. A strong background in Digital Technology skills are sought after in many business areas.

### Course Description:

This course allows students to build on the skills established through Years 7 to 10 so they can become innovative creators of digital solutions.

### The course may be assessed using the following Standards:

(Students will be given choices at the start of a Unit as to which Standards/learning to cover. This enables them to take more control of their learning.)

Standard	Title of Standards	Internal/ External	Literacy/ Numeracy	Credit Value	Vocational Pathways					
					C&I	M&T	PI	SI	S&CS	CI
AS 91877	Develop a proposal for a digital outcome.	Internal	N/A	3	•	•	•	•	•	•
AS 91878	Develop a design for a digital outcome.	Internal	N/A	3	•	•	•	•	•	•
AS 91879	Develop an outcome to manage data.	Internal	N/A	4		•	•			•
AS 91880	Develop a digital media outcome.	Internal	N/A	4		•	•		•	•
AS91881	Develop an electronics outcome.	Internal	N/A	6		•				•
AS 91883	Develop a computer program.	Internal	N/A	4		•				•
AS 91886	Demonstrate understanding of human computer interaction.	External	N/A	3		•				•

**There may be some flexibility in this programme to offer students Standards that meet individual learning needs.**  
 (For example, Unit Standards may be more applicable to a student's style of learning and may be used instead of, or in combination with the Achievement Standards listed above.)

Standard	Title of Standards	Internal/ External	Literacy/ Numeracy	Credit Value	Vocational Pathways					
					C&I	M&T	PI	SI	S&CS	CI
US 18743	Produce a spreadsheet from instructions using supplied data.	Internal	N/A	2	•	•	•	•	•	•
US 2792	Produce simple desktop published documents using templates.	Internal	N/A	2	•	•	•			•
US 18758	Find information using the internet.	Internal	N/A	2	•	•	•	•	•	•
US 5946	Use computer technology to create and deliver a presentation from given content.	Internal	N/A	2		•				•
US 18734	Create a web page using a template.	Internal	N/A	2		•				•
US 5943	Investigate use of digital applications for leisure.	Internal	N/A	2						•

## Level 2 Digital Technologies

### Entry Requirements:

(Preferably Level 1 Digital Technologies, however, all students will be considered and programs developed to suit individual)

Standard	Title of Standards	Internal/ External	Literacy/ Numeracy	Credit Value	Vocational Pathways					
					C&I	M&T	PI	SI	S&CS	CI
US 29770	Use the main features and functions of a spreadsheet application for a purpose.	Internal	N/A	3	•	•	•	•	•	•
US 29771	Use the main features and functions of a presentation application for a purpose.	Internal	N/A	2	•	•	•	•	•	•
US 29772	Manage files and folders using digital devices.	Internal	N/A	2	•	•	•	•	•	•
US 29774	Use the main features and functions of a desktop publishing application to create documents.	Internal	N/A	3				•	•	•
US 29775	Use the main features and functions of a web authoring and design tool to create a website.	Internal	N/A	3				•	•	•
US 29777	Use the main features and functions of a database application to create and test a database.	Internal	N/A	3	•	•	•	•	•	•

# 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 Requirements:**

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.

### **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 two external assessments, as this will allow them to achieve a course endorsement. There are 21 Credits available at Level 1 and students are expected to achieve 14.

### **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.)*

Standard	Title of Standards	Internal/ External	UE Reading/ Writing	Credit Value	Vocational Pathways					
					C&I	M&T	PI	SI	S&CS	CI
AS 90849	Show understanding of specified aspect(s) of studied written text(s), using supporting evidence.	External	Literacy	4	•	•	•	•	•	•
AS 90850	Show understanding of specified aspect(s) of studied visual or oral text(s), using supporting evidence.	External	Literacy	4			•	•	•	•
AS 90851	Show understanding of significant aspect(s) of unfamiliar written text(s) through close reading, using supporting evidence.	External	Literacy	4	•	•	•	•	•	•
AS 90052	Produce creative writing.	Internal	Literacy	3	•		•	•	•	•
AS 90053	Produce formal writing.	Internal	Literacy	3	•	•	•	•	•	•
AS 90857	Construct and deliver an oral text.	Internal	Literacy	3	•		•	•	•	•
AS 90852	Explain significant connections across texts using supporting evidence.	Internal	Literacy	3	•		•	•	•	•
AS 90855	Create Visual Text.	Internal	Literacy	3	•		•	•	•	•
AS 90854	Form personal response to independently read texts, supported by evidence.	Internal	Literacy	3	•	•	•	•	•	•



## Level 1 Literacy

This course is specifically for students who require support with not only the literacy component of NCEA Level 1 but who benefit from support across all subjects. All assessments are based on portfolios of work. The activities are based on students' background experiences, knowledge, interests and supports their other option choices.

In the Level 1 Literacy Course the students use task choices of personal interest to work towards achieving Literacy Standards. For the purpose of these Standards Literacy is defined as: the written and oral language that people use in their everyday life, learning and work. It includes reading, writing, speaking and listening. Skills in this area are essential for good communication, active participation, critical thinking and problem solving.

***The course will be assessed using the following Standards: (This course is not endorsable and does not support the requirements of a student who wishes to study Level 2 English.)***

Standard	Title of Standards	Internal/ External	Literacy/ Numeracy	Credit Value	Vocational Pathways					
					C&I	M&T	PI	SI	S&CS	CI
US 26622	Write to communicate ideas for a purpose and audience.	Internal	Literacy	4						
US 26624	Read texts with understanding.	Internal	Literacy	3						
US 26625	Actively participate in spoken interactions.	Internal	Literacy	3						
US 3483	Fill in a Form.	Internal	Literacy	2			•		•	•
US 1293	Be interviewed in an informal, one-to-one, face-to-face interview.	Internal	Literacy	2			•		•	•

## 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 Requirements:***

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).

*\*Some exemptions may be granted with HOD approval.*

### ***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.

***(Please see next page for Standards)***

**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	DI
AS 91098	Analyse specified aspect(s) of studied written text(s) supported by evidence.	External	Reading/ Writing	4	•		•	•		•
AS 91099	Analyse specified aspect(s) of studied visual or oral text(s) supported by evidence.	External	Writing	4	•		•	•		•
AS 91100	Analyse specific aspect(s) of unfamiliar written text(s) 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 Requirements:**

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).

*\*Some exemptions may be granted with HOD approval.*

**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 2022.*

**The course will be assessed using a selection from 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 aspect(s) of unfamiliar written text(s) 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 <b>deliver</b> 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

**Entry Requirements:**

Nil. However priority for placements go to students from Years 12 and 13; 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 work placements. It is recommended that students complete the full year in this subject.

**Future Pathways:**

Gateway gives students the opportunity to experience work in a specified field and to help them decide if this is the future they would like.

**Course Description:**

Gateway offers students an opportunity to achieve qualifications/certificates in specialist skills e.g. Dairy Farming, Hairdressing, Barista, Automotive, etc. These qualifications will help any student wanting to move into an Apprenticeship or on to a Polytechnic course. There is a course requirement for students to earn a minimum of 20 NCEA Credits – these Credits are made up from Units supplied and assessed by outside providers, e.g. Telford, as well as Units taught in class. Students will have timetabled classes, which will allow them to work on Industry Units as well as whole class Units. Classroom times also allow students to keep up to date in other subjects.

**The course will be assessed using the following Standards: (This course is not endorsable.)**

## Levels 2 and 3

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

The in-class programme for Level 2 and 3 Gateway is based on the above Units: each year Units are chosen to best meet the needs of the current students. Students will complete 3 or 4 in-class Units during class time as well as Industry Specific Units.

# HOSPITALITY – COOKERY

## Level 1 Hospitality – Cookery

### Entry Requirements:

A desire to learn and practice cookery in a simulated hospitality environment.

### Future Pathways:

National Certificate in Hospitality, employment in the Hospitality Industry or food 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 prepare and present egg and cheese dishes.
- How to prepare and present hot finger food.
- 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 will be assessed using the following Standards: (This course is not endorsable)**

(Although all 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 19770	Prepare and present egg and cheese dishes in the hospitality industry.	Internal	N/A	2				•		
US 15901	Prepare and present fruit and vegetables in the hospitality industry.	Internal	N/A	3				•		
US 15919	Prepare and present hot finger food in the hospitality industry.	Internal	N/A	2				•		
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				•		
US 15920	Prepare and present sauce and soup in the hospitality industry.	Internal	N/A	2				•		

## Level 2 Hospitality – Cookery

### Entry Requirements:

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. It is recommended that students gain US167 before embarking on the Cookery Unit Standards.

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

At the end of the year, students will plan and prepare food for invited guests. The cost of the ingredients used in this assessment will vary depending on the choices students make.

**The course will be assessed using the following Standards: (This course is not endorsable)**

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 13285	Handle and maintain knives in a commercial kitchen.	Internal	N/A	2				•		
US 13283	Prepare and present salads for service in a commercial kitchen.	Internal	N/A	2				•		
US 13276	Cook food by grilling in a commercial kitchen.	Internal	N/A	2				•		
US 13281	Prepare and present basic sandwiches for service in a commercial kitchen.	Internal	N/A	2				•		
US 13278	Cook food by roasting in a commercial kitchen.	Internal	N/A	2				•		
US 13271	Cook food by frying in a commercial kitchen.	Internal	N/A	2				•		
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 Requirements:

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 student 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 attend a double period once a week to practice

the skills required to understand the knowledge of culinary products and food preparation methods, as well as the application and of cookery methods in commercial catering. Students will learn about food contamination and control of these hazards in a food establishment. Students will also have the option of developing their barista skills.

Students completing the Barista Unit Standards 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.**

***The course will be assessed using the following Standards: (This course is not endorsable.)***

Standard	Level	Title of Standards	Internal/ External	UE Reading/ Writing	Credit Value	Vocational Pathways					
						C&I	M&T	PI	SI	S&CS	CI
US 168	3	Demonstrate knowledge of food contamination hazards, and control methods used in a food establishment.	Internal	N/A	4				•		
US 13343	3	Demonstrate knowledge of nutrition in commercial catering.	Internal	N/A	5				•		
US 18497	3	Demonstrate knowledge of culinary products, terms, and food preparation methods.	Internal	N/A	8				•		
US 17284	3	Demonstrate knowledge of coffee origin and production.	Internal	N/A	3				•		
US 17285	2	Demonstrate knowledge of commercial espresso coffee equipment and prepare espresso beverages under supervision.	Internal	N/A	2				•		

# 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 New Zealand. It is a taonga recognised under the Treaty of Waitangi, a primary source of our nation’s self-knowledge and identity, and an official language. By understanding and using te reo Māori, New Zealanders become more aware of the role played by the indigenous language and culture in defining and asserting our point of difference in the wider world.

## Level 1 Māori

### Entry Requirements:

Year 9 and 10 Māori or some previous experience – understanding of Te Reo.

### Future Pathways:

Teaching, Education Early Childhood Education, Secondary Teaching, Tourism, Nursing, Radio, TV, Journalists, DOC, and Primary Industries.

### Course Description:

This assumes that the students have covered the language and structures in Years 9 and 10, but it 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.

### Course Costs:

An overnight trip to the Marae approximately \$30.00.

### 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
<b>Te Reo</b>										
AS 91085	Whakarongo (Listening).	Internal	N/A	6			•	•	•	•
AS 91086	Korero (Speaking).	Internal	N/A	6			•	•	•	•
AS 91087	Panui (Reading).	External	Literacy	6			•	•	•	•
<b>Raranga</b>										
US 7869	Te Whare Pora (Level 2).	Internal	N/A	4						•
US 7881	Create Tipare.	Internal	N/A	3						•
US 7879	Whakamahi Whiri.	Internal	N/A	2						•
US 29531	Harvest Prepare Raranga Konaē.	Internal	N/A	4						•
US 790	Harvest Prepare Raranga Kono.	Internal	N/A	4						
<b>Tikanga</b>										
US 27108	Describe protocols and roles associated with Powhiri.	Internal	N/A	2			•	•	•	•
US 27106	Describe terms connected with Whakapapa.	Internal	N/A	2			•		•	•
<b>Taonga Puoro</b>										
US 30238	Collect natural materials to create uncrafted Taonga Puoro.	Internal	N/A	3			•		•	•
US 30239	Play sounds using uncrafted Taonga Puoro from local environment.	Internal	N/A	3			•		•	•



## Level 2 Māori

### Entry Requirements:

Some knowledge of Te Reo would be an advantage but not necessary.

### Future Pathways:

Teaching, Education Early Childhood Education, Secondary Teaching, Tourism, Nursing, Radio, TV, Journalists, DOC, and 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.

### Course Costs:

An overnight trip to the Marae approximately \$30.00.

**The course will be assessed using the following Standards: (This course is not endorsable.)**

Standard	Title of Standards	Internal/ External	UE Reading/ Writing	Credit Value	Vocational Pathways						
					C&I	M&T	PI	SI	S&C	CI	
	<b>Raranga</b>										
US 7869	Prepare Harakeke for kete.	Internal	N/A	2							•
US 7873	Produce Muka.	Internal	N/A	4							•
	<b>Taonga Puoro</b>										
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 Requirements:

Some knowledge of Te Reo would be an advantage but not necessary.

### Future Pathways:

Teaching, Education Early Childhood Education, Secondary Teaching, Tourism, Nursing, Radio, TV, Journalists, DOC, and 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.

### Course Costs:

An overnight trip to the Marae approximately \$30.00.

**(Please see next page for Standards)**

**The course will be assessed using the following Standards: (This course is not endorsable.)**

Standard	Title of Standards	Internal/ External	UE Reading/ Writing	Credit Value	Vocational Pathways					
					C&I	M&T	PI	SI	S&CS	CI
	<b>Raranga</b>									
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 and refine Taonga Puoro.	Internal	N/A	12			•			•
US 31121	Whakatangi (preform) Taonga Puoro.	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 Requirements:

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, graphing, probability and statistics.

### Course Costs:

Option to purchase a \$17.00 workbook.

### 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 91027	Apply algebraic methods in solving problems (Common assessment task – calculators not permitted).	External	Numeracy	4	•	•	•		•	•
AS 91028	Investigate relationships between tables, equations and graphs.	External	Numeracy	4	•	•	•	•		•
AS 91037	Demonstrate understanding of chance and data.	External	Numeracy	4			•	•		•
AS 91026	Apply numeric reasoning in solving problems.	Internal	Numeracy	4	•	•	•	•		•
AS 91036	Investigate bivariate numerical data using the statistical enquiry cycle.	Internal	Literacy/ Numeracy	3			•			•

## Level 1 Mathematics

### Entry Requirements:

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. The course will be based on a blend of Number, Trigonometry, Geometry and Probability.

### The course will be assessed using the following Standards to suit student's abilities:

Standard	Title of Standards	Internal/ External	Literacy / Numeracy	Credit Value	Vocational Pathways					
					C&I	M&T	PI	SI	S&CS	CI
AS 91026	Numeric Reasoning.	Internal	Numeracy	4	•	•	•	•		•
AS 91037	Demonstrate understanding of chance and data.	External	Numeracy	4			•	•		•
AS 91032	Apply right-angled triangles in solving measurement problems.	Internal	Numeracy	3	•	•	•			•
AS 91035	Investigate a given multivariate data set using the statistical enquiry cycle.	Internal	Literacy/ Numeracy	4		•	•			•
AS 91036	Investigate bivariate numerical data using the statistical enquiry cycle.	Internal	Literacy/ Numeracy	3			•			•
AS 91038	Investigate a situation involving elements of chance.	Internal	Literacy/ Numeracy	3			•			•
AS 91034	Apply transformation geometry in solving problems.	Internal	Numeracy	2	•	•	•	•		•

## Level 2 Mathematics with Algebra

### Entry Requirements:

Students must have at least 14 Credits in NCEA Level 1 Mathematics with Algebra Achievement Standards including passing the Algebra and Number Achievement Standards and gaining at least two Merits.

### 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:

Option to purchase a \$17.00 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 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 Requirements:

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.

### 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.

**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 91265	Conduct an experiment to investigate a situation using statistical methods.	Internal	N/A	3	•	•	•	•	•	•	•
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 Requirements:

Students should have gained 15 Credits or better in the Level 2 Mathematics course with at least two Merits, preferably in Algebra and Calculus.

### Future Pathways:

Students seeking a post tertiary study career in Mathematics, Physical Sciences, Engineering, Architecture, Medicine or Computing.

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 \$17.00 workbook.

### The course will be assessed using the following Standards:

(Scholarship will be available for those who wish to enter.)

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 91577	Apply the algebra of complex numbers in solving problems.	External	N/A	5						
AS 91578	Apply differentiation methods in solving problems.	External	N/A	6	•	•	•		•	
AS 91579	Apply integration methods in solving problems.	External	N/A	6	•	•	•			

## Level 3 Mathematics – Statistics (UE Approved)

### Entry Requirements:

Students should have gained 12 Credits or better in a Level 2 Mathematics course including the external on Probability Methods.

### 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.

<http://www.victoria.ac.nz/science/study/subjects/math>

### Course Description:

This course covers examining how things change over time, relationships between data, probabilities and analysing statistical reports.

### The course will be assessed using the following Standards:

(Scholarship will be available for those who wish to enter.)

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 91584	Evaluate Statistically Based Reports.	External	N/A	4			•	•	•	

# OUTDOOR EDUCATION

## Level 2 Outdoor Education

### **Entry Requirements:**

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. Check out <http://www.skillsactive.org.nz/> for further information.

### **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 Outdoor Education 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, caving, 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.

### **Course Costs:**

\$300.00 (Approximately).

This cost will be required in parts, prior to each trip. To cover transport and accommodation for field trips. This course is heavily subsidised by STAR funding sourced through the school. Food expenses for field trips are not included.

**The course will be assessed using the following Standards: (This course is not endorsable.)**

Standard	Title of Standards	Internal/ External	UE Reading/ Writing	Credit Value	Vocational Pathways					
					C&I	M&T	PI	SI	S&CS	CI
US 476	Roll a kayak.	Internal	N/A	2				•		
US 20121	Demonstrate Grade 2 Kayaking skills.	Internal	N/A	4				•		
AS 91336	Analyse group processes in physical activity.	Internal	Literacy	3			•	•	•	•
AS 91333	Analyse the application of risk management strategies to a challenging outdoor activity (Kayaking).	Internal	Literacy	3			•	•	•	•
US 431	Navigate in good visibility for land based activities (Tramping).	Internal	N/A	3				•		
US 425	Experience day tramps.	Internal	N/A	3				•		
AS 91330	Perform a physical activity in an applied setting (Rock climbing).	Internal	N/A	3				•		•
US 20157	Demonstrate the use of basic rope systems for top rope rock climbing and abseiling.	Internal	N/A	3				•		
US 20138	Select, set up and maintain a mountain or cycle touring bike.	Internal	N/A	3				•		
US 457	Mountain bike on intermediate to expert terrain.	Internal	N/A	2				•		
US 20159	Gather and apply weather information to an outdoor activity (tramping).	Internal	N/A	2				•		

### Level 3 Outdoor Education

**Entry Requirements:**

Participation in the Year 12 Outdoor Education course and a strong outdoor interest.

**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 Outdoor Education 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 is for a certificate in outdoor leadership.**

**Course Costs:**

\$300.00 (Approximately).

This cost will be required in parts, prior to each trip. To cover transport and accommodation for field trips. This course is heavily subsidised by STAR funding sourced through the school. Food expenses for field trips are not included.



**The course will be assessed using the following Standards: (This course is not endorsable.)**

<b>Standard</b>	<b>Title of Standards</b>	<b>Internal/ External</b>	<b>Credit level</b>	<b>Credit Value</b>	<b>Vocational Pathways</b>					
					<b>C&amp;I</b>	<b>M&amp;T</b>	<b>PI</b>	<b>SI</b>	<b>S&amp;CS</b>	<b>CI</b>
US 6401	Provide basic first aid.	Internal	2	1			•	•	•	
US 6402	Provide basic life support.	Internal	1	1			•	•	•	
US 20159	Gather and apply weather information to an outdoor recreation activity.	Internal	2	2				•	•	
US 26237	Demonstrate kayaking knowledge and skills.	Internal	3	5						
US 26249	Demonstrate bush-walking knowledge and skills.	Internal	3	5						
US 19428	Prepare for sea kayaking and demonstrate sea kayaking skills in sheltered sea conditions.	Internal	3	10						
AS 91504	Analyse issues in safety management for outdoor activity to devise safety management strategies.	Internal	3	3						
AS 91501	Demonstrate quality performance in an applied setting.	Internal	3	4						

# PHYSICAL EDUCATION

## Pathways

Physical Performance Pathway	Level 1 Physical Education
	Level 2 Physical Education
	Level 3 Physical Education (UE)
Coaching Pathway	<b>Level 3 Growing Coaches Plus</b> <b>Skills Active – Youth Award</b> <i>Major focus:</i> Acquire and apply sports coaching knowledge and skills to a junior tournament team.

## Level 1 Physical Education

### Entry Requirements:

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 need to 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.

### Future Pathways:

The Achievement Standards are essential for any student needing Level 2 Physical Education for careers in: Physiotherapy, Personal Training, Teaching, Sports Rehabilitation, Coaching, Lifestyle Coaching, Sports Industry, as a Professional Sportsperson, and Exercise Prescription.

### 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 90962	Participate actively in a variety of physical activities and explain factors that influence own participation.	Internal	N/A	4				•	•	•
AS 90963	Demonstrate understanding of the function of the body as it relates to the performance of physical activity.	Internal	Literacy	5			•	•	•	•
AS 90964	Demonstrate quality movement in the performance of a physical activity.	Internal	N/A	4				•	•	•
AS 90967	Demonstrate strategies to improve the performance of a physical activity and describe the outcomes.	Internal	Literacy	3				•	•	•

## Level 2 Physical Education

### **Entry Requirements:**

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. Students who have not previously studied Physical Education may be admitted at the discretion of the HOD. Due to the literacy requirements of this subject, students studying Level 2 English will be at an advantage.

### **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.

### **Future Pathways:**

The Achievement Standards at Level 2 are essential for any student needing Level 3 Physical Education for careers in: Physiotherapy, Personal Training, Teaching, Sports Rehabilitation, Coaching, Lifestyle Coaching, Sports Industry, as a Professional Sports person, and Exercise Prescription.

### **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 91328	Demonstrate understanding of how and why biophysical principles relate to the learning of physical skills.	Internal	Literacy	5					•	•
AS 91329	Demonstrate understanding of the application of biophysical principles to training for physical activity.	Internal	Literacy	4					•	•
AS 91330	Perform a physical activity in an applied setting.	Internal	N/A	4					•	•
AS 91332	Examine the significance for self, others and society of a sporting event, a physical activity or a festival.	Internal	Literacy	4				•	•	•

## Level 3 Physical Education (UE Approved)

### **Entry Requirements:**

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. Students who have not previously studied Physical Education may be admitted at the discretion of the HOD. Due to the literacy requirements of this course students who have studied Level 2 English will be at an advantage.

### **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.

### **Future Pathways:**

The Achievement Standards are essential for students who want to pursue careers in: Physiotherapy, Personal Training, Teaching, Sports Rehabilitation, Coaching, Lifestyle Coaching, Sports Industry, as a Professional Sports person, and Exercise Prescription. This course prepares students for Tertiary study.

**(Please see next page for Standards)**

**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 91499	Analyse a physical skill performed by self and others.	Internal	N/A	3				•	•	•
AS 91500	Evaluate the effectiveness of a performance improvement programme.	Internal	N/A	4				•		•
AS 91501	Demonstrate quality performance of a physical activity in an applied setting.	Internal	N/A	4				•		•
AS 91502	Examine a current physical activity event, trend or issue impacting on New Zealand.	Internal	Reading	4				•	•	
AS 91502	Devise strategies for a physical activity outcome.	Internal	N/A	4				•	•	•

### Level 3 Growing Coaches Plus – Skills Active

**Entry Requirements:**

An interest in developing your sports coaching ability. Students who have not previously studied Physical Education may be admitted at the discretion of the HOD. Students will be expected to coach a junior school team in preparation for Junior Tournament.

**Course Description:**

One Year programme available to Level 2 and 3 students. Industry-approved programme that fosters connections between schools and employers, and build work-ready skills for young people. Students who complete this programme will be able to:

- Plan coaching sessions.
- Coach and deliver sessions to develop sports skills.
- Review coaching sessions.

**Future Pathways:**

Careers in Sports Coaching. Foundation to sports specific coaching awards.

**The course will be assessed using the following Standards: (This course is not endorsable.)**

Standard	Level	Title of Standards	Internal/ External	Literacy/ Numeracy	Credit Value	Vocational Pathways					
						C&I	M&T	PI	SI	S&CS	CI
US 22771	3	Plan a beginner-level coaching session for sport participants.	Internal	N/A	6						
US 31677	3	Coach beginner-level participants through skill development activities for a selected sport.	Internal	N/A	4						
US 22768	3	Review coaching of beginner-level participants through skill development activities for a selected sport.	Internal	N/A	4						
AS 91502	3	<i>OPTIONAL:</i> Examine contemporary leadership principles applied in physical activity contexts.	Internal	N/A	4				•	•	

# READY FOR WORK

**Ready for Work** is a general course for all students. It promotes personal growth, confidence, communication skills and job prospects.

## Level 2 and 3 Ready for Work

**Entry Requirements:**

Nil.

**Future Pathways:**

Units 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 skills needed for transition from school to workplace and to independent living.

## Level 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
US 12354	Implications of independent living.	Internal	N/A	4						
US 12349	Demonstrate knowledge of (DKO) 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 3462	DKO traffic law in relation to safe driving.	Internal	N/A	3	•		•			•
US 28095	Analyse personal financial investment options.	Internal	N/A	3				•		
US 28092	Analyse the effect of significant life events on personal financial income.	Internal	N/A	3						
US 28094	Produce and adjust a household budget to reflect changing financial circumstances.	Internal	N/A	3						
US 1827	Identify support services and resources within the community.	Internal	N/A	2					•	

### Level 3

*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 12356	Understanding and dealing with consumer problems.	Internal	N/A	3						
US 28100	Develop a plan to achieve a long term personal financial goal.	Internal	N/A	4						
US 9694	Demonstrate and apply knowledge of communication process theory.	Internal	N/A	4						
US 28099	Analyse credit options and select strategies to manage personal finances.	Internal	N/A	3						

*Units will be chosen/substituted/added depending on the needs of the class.*

# SCIENCE

## Level 1 Science

### **Entry Requirements:**

Nil

### **Future Pathways:**

Level 2. It 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: externally assessed Achievement Standards are required as pre-requisites to study Level 2 Sciences. The Blue Sky Science option is an opportunity to pursue their own research interests with the support of their teacher. Achievement Standards in this part of the course will be selected to match student interest.

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

### **Acids and Bases (External)**

All about Atoms, Ions, the Periodic Table, Chemical Reactions, Acids and Bases, Neutralisation and the Speed of Chemical Reactions. This is required for Chemistry at Level 2.

### **Mechanics (External)**

Force, Pressure, Motion, Mass and Power are all covered. This is required for the study of Physics at Level 2.

### **Genetics (External)**

How information is contained in each cell and how that is passed on through the generations. This is required for the study of Biology at Level 2.

### **Waves and Heat investigation (Internal)**

Investigation into a waves or heat problem. There is a range of problems to choose from in this student-led investigation. Group work culminates in a fight where students present and defend their discoveries.

### **Biology investigation (Internal)**

In the context of mussel farming. This includes making and processing accurate measurements, using biology techniques (e.g. culturing micro-organisms, use of a microscope, quadrat sampling), identification and control of variables, interpretation of processed data, relating findings to the purpose to reach a conclusion. EASY.

### **Physics Investigation (Internal)**

This involves collecting data and using graphical analysis to recognise a directly proportional Physics relationship. This is a really useful skill.

### **Surface features in New Zealand (Internal)**

Golden Bay has fascinating geology. In this topic, you will study the processes the lead to the creation of the cave systems in Golden Bay.

### **Microscopy**

Learn how to use a microscope to spy on plants and animals, viewing their structure normally invisible to the naked eye. This is a Level 2 Biology Standard.

### **Carbon cycling (Internal)**

Learn about the addition, removal and storage of carbon from the atmosphere. This is the driver behind global warming.

### **Life processes and environmental factors that affect them (Internal)**

How different organisms have adapted how they carry out their life processes to take advantage of the environment they live in.

### **Investigate an astronomical event/the effect of astronomical cycles on planet Earth (Internals)**

This is a student-led investigation into either an astronomical event, discovery or space-probe exploration OR the effect of astronomical cycles on the Earth (for example how the orbit of the moon about the Earth causes tides)

### Investigate selected chemical reactions (Internal)

Carry out chemical reactions, make observations, write equations for reactions, identify precipitates and use solubility rules.

*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
AS 90944	Acids and Bases.	External	N/A	4	•	•	•			•
AS 90940	Mechanics.	External	Numeracy	4	•	•	•	•	•	•
AS 90948	Genetics.	External	Literacy	4		•	•		•	•
AS 90942	Investigate the implications of wave behaviour to everyday life.	Internal	Numeracy	4	•	•	•			•
AS 90943	Investigate the implications of heat to everyday life.	Internal	Numeracy	4	•	•	•		•	•
AS 90925	Carry out a practical investigation in a biological context, with direction.	Internal	Literacy	4		•	•	•	•	
AS 90935	Physics Investigation.	Internal	Numeracy	4	•	•	•		•	•
AS 90925	Biology Investigation.	Internal	Numeracy	4		•	•	•	•	
AS 90952	The formation of surface features in New Zealand.	Internal	Literacy	4			•	•		•
AS 91160	Investigate biological material at the microscopic level.	Internal (Level 2)	N/A	3 (Level 2)			•	•	•	
AS 90953	Demonstrate understanding of carbon cycling.	Internal	Literacy	4			•	•		•
AS 90947	Investigate selected chemical reactions.	Internal	N/A	4	•	•	•		•	•
AS 90955	Investigate astronomical / Earth science event.	Internal	Literacy	4			•		•	
AS 90954	Demonstrate understanding of astronomical cycles on planet Earth.	Internal	Literacy	4			•			•
AS 90949	Investigate life processes and environmental factors that affect them.	Internal	N/A	4			•	•	•	•

## Level 2 Biology

### Entry Requirements:

12 Credits in Science at NCEA Level 1 including AS 90948 (Demonstrate understanding of genetic variation).

### 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 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 91156	Demonstrate Understanding of Life Processes at the Cellular Level.	External	N/A	4			•		•	
AS 91157	Demonstrate Understanding of Genetic Variation and Change.	External	N/A	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 Requirements:**

12 Credits of Level 2 Biology, or by TIC approval.

**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.

**(Please see next page for Standards)**

**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 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	Reading/ Writing	4		•	•		•	
AS 91604	Demonstrate Understanding of how and 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/ Writing	3			•		•	

## Level 2 Chemistry

### **Entry Requirements:**

Level 1 Science: a minimum of 12 Credits including Level 1 AS 90944 (Demonstrate understanding aspects of acids and bases).

### **Future Pathways:**

Most involve tertiary study and rely upon a good grounding in the major Chemistry ideas taught at Level 2 and 3.

Here is 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:

- **Qualitative Chemistry:** The testing of unknown solutions to work out what they are.
- **Atomic Structure and Bonding:** This is about covalent and ionic bonding.
- **Research** into the chemistry of a recent discovery or development.
- **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:** *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 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 91911	Carry out an investigation into chemical species present in a sample using qualitative analysis.	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 Requirements:**

A minimum of 12 Credits from Level 2 Chemistry.

**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.*

*(Please see next page for Standards)*

**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	Writing	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	N/A	3	•	•	•		•	

## Level 2 Physics

### Entry Requirements:

At least one Level One external Physics Achievement Standard [Science 90940 (Mechanics), Physics 90937 (Electricity and Magnetism), 90938 (Waves), or 90939 (Heat)] or approval by the teacher in charge.

### 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	Take measurements of physical quantities and analyse data graphically to determine a 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 atoms and radioactivity.	Internal	N/A	3	•	•			•	•
AS 91173	Demonstrate understanding of electricity and electromagnetism.	External	N/A	6	•	•	•		•	•

## Level 3 Physics (UE Approved)

### Entry Requirements:

At least 14 Credits from Level 2 Physics or approval by teacher in charge.

### 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 Requirements:

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, economic theory, looking at people's view points, and communicating understanding in a variety of contexts.

The **Geography** part of the course includes a combination of the following: looking at issues relating to Child Poverty in New Zealand, the global coffee trade, its impacts and processes. Most students will already have carried out a geographical investigation AS 91001 Conduct Geographic Research, with direction, in Year 10.

The **History** part of the course includes working with historical documents, writing an essay about the why the atomic bomb was dropped and the consequences the bombing, and communicating understanding of the same topic in the form of a power point presentation with a focus on its relevance to New Zealand

### The course will be assessed based on a selection from the following Standards:

Standard	Title of Standards for HISTORY	Internal/ External	Literacy/ Numeracy	Credit Value	Vocational Pathways					
					C&I	M&T	PI	SI	S&CS	CI
AS 91002	Demonstrate understanding of an historical event, or place, of significance to New Zealanders.	Internal	Literacy	4	•	•	•	•	•	•
AS 91003	Interpret sources of an historical event of significance to New Zealanders.	External	Literacy	4				•	•	•
AS 91001	Carry out an investigation of an historical event, or place, of significance to New Zealanders.	Internal	Literacy	4				•	•	•

Standard	Title of Standards for GEOGRAPHY	Internal/ External	Literacy / Numeracy	Credit Value	Vocational Pathways					
					C&I	M&T	PI	SI	S&CS	CI
AS 91010	Apply concepts and basic geographic skills to demonstrate understanding of a given environment.	External	Numeracy	4	•		•	•		•
AS 91013	Describe aspects of a geographic topic at a global scale.	Internal	Literacy	3			•	•	•	
AS 91012	Describe aspects of a contemporary New Zealand geographic issue.	Internal	Literacy	3				•	•	•

## Level 2 Geography

### **Entry Requirements:**

14 Credits at Level 1 Humanities. Other cases may be considered in consultation with the HOD Social Sciences.

### **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 3 Geography will require you to gain at least 14 Credits in Level 2 Geography or History.**

### **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 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/ Writing	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 Requirements:

14 Credits at Level 2 Geography or History. Other cases may be considered in consultation with the HOD Social Sciences.

### 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 \$200.00.

### 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 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	N/A	3			•	•		•

## Level 2 History

### Entry Requirements:

Students should have gained a minimum of 14 Credits in Level 1 Humanities including at least 8 History Credits. If students have not taken Level 1 Humanities then they will need to have gained at least 14 Credits in either Level 1 English or Science.

### 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 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 91233	Examine causes and consequences of a significant historical event (This Standard is optional but recommended).	External	Reading/ Writing	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 Requirements:**

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.

**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.

*(Please see next page for Standards)*

**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	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							•
AS 91438	Analyse the causes and consequences of a significant historical event.	External	Reading/ Writing	6						•

## Level 2 Classical Studies

### Entry Requirements:

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, Humanities 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.

**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 Requirements:**

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.

### **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 ideas and values of the Classical World.	External	Reading/ Writing	4							•

## New Zealand Certificate in Tourism (Introductory skills)

This qualification has been specifically designed for secondary school students and provides students with an introduction to the tourism industry.

### **Level 2/3 Tourism**

#### **Entry Requirements:**

Open entry though students will need to have strong reading and writing skills

#### **Future Pathways:**

This qualification prepares people for entry to the National Certificate in Tourism (Core Skills) (Level 3), which in turn can lead to qualifications and careers in outbound travel such as Travel Consultancy or Wholesale Travel, and inbound tourism within the New Zealand Tourism Industry.

#### **Course Description:**

The full National Certificate consists of 50 Credits which is completed over two years. The course content ensures people awarded with this qualification are able to move into the Tourism industry from school.

The flexible nature of the course will mean students work individually at their own pace and can join the course at any time during the year to work on Level 2 or Level 3 Standards and for those students on Gateway and Outdoor Education courses, this is an ideal fit.

**(Please see next page for Standards)**

*The course will be assessed using a selection of the following Standards: (This course is not endorsable.)*

## 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 24730	Demonstrate knowledge of the business of tourism.	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 57	Provide Customer Service.	Internal	N/A	2				•		
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 18237	Perform calculations for a tourism workplace.	Internal	N/A	3				•		
US 23767	Demonstrate knowledge of and use the Internet in a tourism workplace.	Internal	N/A	2				•		
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 24725	Demonstrate and analyse the economic significance of tourism	Internal	N/A	4				•		
US 3727	Demonstrate knowledge of Pacific Island countries as tourist destinations	Internal	N/A	5				•		
US 18211	Demonstrate knowledge of Australia as a tourist destination	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 23766	Demonstrate knowledge of the tourism industry	internal	N/A	5				•		

# SPANISH

Spanish is the second most spoken language in the world after Chinese, there are 21 countries in the world that list Spanish as an official language and it is one of the six official languages of the United Nations. For all these reasons Spanish is a good choice to study.

## Level 1 Spanish

### Entry Requirements:

To gain an Achieved in Level 1 Spanish you need to be working at National Curriculum Level 6 and above. It is therefore advisable to have done Year 9 and 10 Spanish prior to enrolling for this course.

### Future Pathways:

Careers that are linked to the study of languages are numerous and include Government, international Relations, Business, Importing/Exporting, Publishing, Culture, Tourism, International Banking, Immigration, Teaching, Translating/Interpreting, Proofreading, Intelligence, Customer Service, the Military, Humanitarian Work and becoming a language blogger or online content creator.

### Course Description:

Students will be enrolled and studying Spanish independently through Te Kura. To do this they will need to bring their own device and headphones to school for each session and will need to keep up with the course by regularly submitting modules throughout the year.

As this course will be running through Te Kura, all students will be required to have an interview with the Principal before being accepted onto the course. Students will need to be able to study independently and keep themselves on schedule for this class.

During the course students engage in learning to develop their skills in speaking, listening, reading and writing in Spanish. There are three Internally Assessed Standards and two External Standards, which involve an exam at the end of the year.

Standard	Title of Standards	Internal/ External	Credit Value	Vocational Pathways					
				C&I	M&T	PI	SI	S&CS	CI
AS 90908	Demonstrate understanding of a variety of spoken Spanish texts on areas of most immediate relevance.	External	5			•	•	•	•
AS 90909	Give a spoken presentation in Spanish that communicates a personal response.	Internal	4			•			
AS 90910	Interact using spoken Spanish to communicate personal information, ideas and opinions in different situations.	Internal	5				•	•	•
AS 90911	Demonstrate understanding of a variety of Spanish texts on areas of most immediate relevance.	External	5				•		
AS 90912	Write a variety of text types in Spanish on areas of most immediate relevance.	Internal	5				•		•

# VISUAL ARTS

## Level 1 – Practical Art

### Entry Requirements:

Nil.

### Future Pathways:

This is a foundation course that gives students the skills for any of the visual arts (leading to Painting, Printmaking and Photography) and also Architecture, Graphic Design, Fashion, Film, Signage, Hairdressing and many other courses.

### Course Description:

A practical course involving research, drawing, painting 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 and styles. The external submission is in the form of a two panel folio.

### Course Costs:

Nil. Students may be expected to attend a class trip to Onetahua Marae for the first Unit, and optionally also to Nelson in order to learn from top national folio exemplars.

### Stationery Costs:

Students will be expected to purchase a suitable work book, have access to their own set of acrylic paints, and start a collection of their own tools including brushes.

### 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	U	
AS 90913	Demonstrate understanding of art works from a Māori and another cultural context using art terminology.	Internal	Literacy	4							•
AS 90914	Using drawing methods and skills for recording information using wet and dry media.	Internal	N/A	4							•
AS 90915	Using drawing conventions to develop work in more than one field of practice.	Internal	N/A	4							•
AS 90916	Produce a body of work informed by established practice, which develops ideas, using a range of media.	External	N/A	12							•
AS 90917*	Produce a finished work that demonstrates skills appropriate to cultural conventions.	Internal	N/A	4				•			•

\* Could have been completed in Year 10.

## Level 2 – Painting, Printmaking and Photography

Students for *full year folio courses* can select a *maximum of two choices* from within Painting, Printmaking and Photography. This advice is provided to avoid undue stress and workload issues in Terms 3 and 4. Those selecting a *modular approach* can construct courses using any of the Standards available, except for the external folio Standard.

### Entry Requirements:

Preferably Level 1 Visual Art.

## Level 2 Painting

### **Future Pathways:**

The full year course leads to Level 3 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. 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.

### **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:**

Nil. Students will have the option to attend a class trip to Nelson in order to learn from top national folio exemplars. Students will be expected to purchase a suitable workbook, have access to their own set of acrylic paints, and start a collection of their own tools including brushes.

### **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 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	Produce a resolved work that demonstrates purposeful control of skills appropriate to cultural conventions.	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					•		•

## Level 2 Printmaking

### **Future Pathways:**

The course leads to Level 3 Printmaking. This foundational course provides a body of knowledge and skills to open choices into a range of levels of tertiary education. 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.

### **Course Description:**

Printmaking offers a *one-year* thorough course with a variety of approaches. There is both guided and individual study of traditional and contemporary methods and ideas. Students apply their understanding of printmaking 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:**

Nil. Students will have the option to attend a class trip to Nelson in order to learn from top national folio exemplars. Students will be expected to purchase a suitable workbook, have access to their own set of inks, and start a collection of their own printing tools.

**(Please see next page for Standards)**



**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 91313	Use drawing methods to apply knowledge of conventions appropriate to printmaking.	Internal	N/A	4							•
AS 91323	Produce a systematic body of work that shows understanding of art making conventions and ideas within printmaking.	External	N/A	12							•
AS 91325	Produce a resolved work that demonstrates purposeful control of skills appropriate to cultural conventions.	Internal	N/A	4				•			•
AS 91308	Demonstrate an understanding of methods and ideas from established practice appropriate to printmaking.	Internal	Reading/ Writing	4				•			•
AS 91318	Develop ideas in a related series of drawings appropriate to established printmaking practice.	Internal	N/A	4							•

## Level 2 Photography

### Entry Requirement:

Nil.

### 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* thorough 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:

Nil. The school provides digital cameras for photography students. Printing costs and folio boards will incur additional costs for students. Students will have the option to attend a class trip to Nelson to learn from top national folio exemplars.

**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 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, Printmaking and Photography (UE Approved)**

Students are advised to select a maximum of two choices from within the three fields of Painting, Printmaking and Photography. This will avoid undue stress and workload issues in Terms 3 and 4.

#### **Level 3 Painting**

##### **Entry Requirements:**

Preferably Level 2 Painting, Printmaking or Photography.

##### **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 Architecture, Photography, Graphic Design, Fashion, Film, Animation, Signage and many other courses accessible at a tertiary level or other career pathways

##### **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:**

Nil. Students will be expected to purchase a suitable workbook, have access to their own set of acrylic paints, and start a collection of their own tools including brushes. Students will have the option to attend a class trip to Nelson in order to learn from top national folio exemplars.

**(Please see next page for Standards)**

**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 91441	Analyse methods and ideas from established painting practice.	Internal	N/A	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						•

### Level 3 Printmaking

**Entry Requirements:**

Preferably Level 2 Printmaking, Painting or Photography.

**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 Architecture, Photography, Graphic Design, Fashion, Film, Animation, Signage and many other courses accessible at a tertiary level or other career pathways.

**Course Description:**

A practical course involving research, drawing and printmaking. 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:**

Nil. Students will be expected to purchase a suitable workbook, have access to their own set of printing inks, and start a collection of their own tools including printing tools. Students will have the option to attend a class trip to Nelson in order to learn from top national folio exemplars.

**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 91443	Analyse methods and ideas from established printmaking practice.	Internal	N/A	4					•	•
AS 91448	Use drawing to demonstrate understanding of conventions appropriate to printmaking.	Internal	N/A	4						•
AS 91453	Systematically clarify ideas using drawing informed by established printmaking practice.	Internal	N/A	4						•
AS 91458	Produce a systematic body of work that integrates conventions and regenerates ideas within printmaking practice.	External	N/A	14						•

## Level 3 Photography

### **Entry Requirements:**

Preferably Level 2 Photography, Painting or Printmaking.

### **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:**

Nil. 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 have the option to attend a class trip to Nelson related to exemplars and portfolio presentation.

### **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
AS 91442	Analyse methods and ideas from established photography practice.	Internal	N/A	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

NCEA LEVEL 3

NCEA LEVEL 2

NCEA LEVEL 1

**CAREER PLAN A:**

What qualifications/training do I need?

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- 1. English/Literacy
- 2. Mathematics/Numeracy
- 3. Science

**CAREER PLAN B:**

What qualifications/training do I need?

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- 4. \_\_\_\_\_
- 5. \_\_\_\_\_
- 6. \_\_\_\_\_

**CAREER UNKNOWN:**

What am I interested in?

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How will I keep my options open?

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