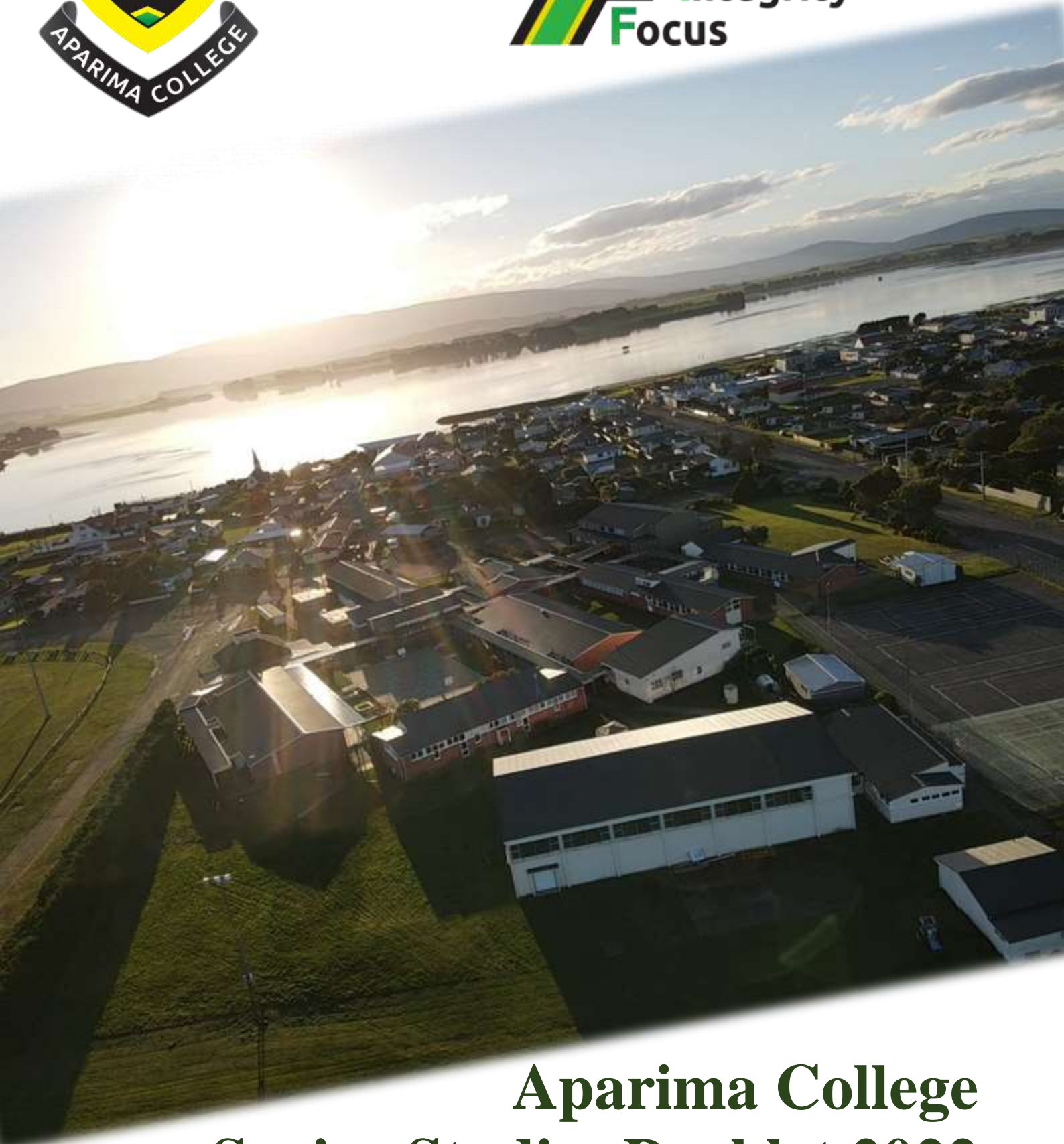




APARIMA
FIRST



Taumata
Service
Resilience
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Focus



Aparima College

Senior Studies Booklet 2022

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NOTE: Courses may or may not run based on student numbers.



Welcome to Aparima College in 2022

Choosing a course or subjects at school

As you work through NCEA Levels 1-3, you will need to make decisions about what courses or subjects to study.

At Level 1 (Year 11) you should take a broad range of courses that will lead on to more specialised subjects. In Years 12 and 13, start thinking about what areas you need to focus on for your future study or career.

Your Level 2 results are important, as these are often used as part of the selection process by universities, polytechnics and employers. You may need to take particular Level 3 standards as an entry requirement for some tertiary courses.

Compulsory subjects

At Aparima College we highly recommend that students study English, Mathematics and Science at Year 11 and Year 12.

If you are planning to go to university, or even just want to keep it as an option, you will need to meet the [university entrance requirements](#), which include a minimum number of literacy and numeracy credits.

Choosing subjects

To make decisions about what other courses or subjects to take, there are some key things to consider.

What do I enjoy and what am I good at?

The chances of doing well and achieving the standards you enter are better when you enjoy the subjects or have a natural talent for them. These are subjects you should look at first when choosing your course.

If you are thinking of a subject, but don't know much about it, talk to a teacher.

What do I want to do after school?

It is sensible to choose subjects that relate to what you want to do after you leave school. Many careers or qualifications have special requirements.

For example, if you want to be a motor mechanic it makes sense to consider one of the technology subjects like metalwork. Or, if a career in medicine appeals to you, you would be advised to do science subjects like chemistry and biology.

If you don't know what you want to do, the best path is to do as broad a range of subjects as possible, to keep your options open.

Seek help if required

Whatever stage you're at, look for advice and think carefully about what you're told. Ask parents, friends, teachers and careers advisors.

NCEA Levels and Certificates

There are three levels of NCEA certificate, depending on the difficulty of the standards achieved. At each level, students must achieve a certain number of credits to gain an NCEA certificate. Credits can be gained over more than one year.

NCEA Level Requirements

Level 1 - 80 credits are required at any level (level 1, 2 or 3) including [literacy and numeracy](#). Literacy and numeracy standards can be achieved in the compulsory English and Mathematics courses.

Level 2 - 60 credits at level 2 or above + 20 credits from any level.

The Level 1 [literacy and numeracy](#) requirements must also be met.

Level 3 - 60 credits at level 3 or above + 20 credits from level 2 or above.

Credits gained at one level can be used for (or count towards) more than one certificate. They may also be used towards other qualifications. For example, unit standards in the domain 'generic computing' might be used towards a Level 2 NCEA certificate, as well as towards a National Certificate in Computing (Level 2); or 20 credits gained at Level 1 can also count towards a Level 2 NCEA certificate.

Multi-level study

Many schools allow students to study a mix of standards at different levels, depending on their ability. For example, in year 12, a student may study most subjects at level 2, but add a new subject at level 1 and another advanced subject at level 3. In addition, students may study multi-level courses with standards assessed at more than one level, e.g. an English course at year 11 may contain both level 1 and level 2 standards.

Recognising High Achievement

Certificates can be 'endorsed' to reflect high achievement in a significant number of standards. Course endorsements will show that students have performed well in an individual course.

HOW TO CHOOSE

Ability

Firstly, take your ability (how good are you at a subject; how easily you understand it). Your test marks and your work will help you to estimate your ability. Discuss your ability with your teacher as you might have a false idea of how well you can do some things.

Be careful not to under-rate your ability.

+

Interest

Add to your ability your interest (what you enjoy doing).

Reasons for enjoyment might be because of the work, the teacher, or because you seem to be good at it.

You gain more satisfaction and will probably reach a higher standard in your work if you are interested in it.

+

Occupation

You may not know what you would like to do when you leave school. Most people don't. But if you do know or if you have ideas about what you might do, you can find out what subjects might be needed.

Maths is necessary in so many careers that you should include it if possible.

Guidance and Careers staff are most willing to help you think this through.

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Subject Choice

Go through the possible subjects listed and put a big tick alongside each possibility, then investigate those subjects thoroughly.

NCEA Endorsements

Recognising High Achievement with 'Endorsements'

When students perform consistently above the 'Achieved' level, their results can be 'endorsed' to reflect that high achievement. This can occur at either the Certificate or individual course level.

Certificate Endorsement

If a student gains 50 credits at Excellence, their NCEA will be endorsed with Excellence. Likewise, if a student gains 50 credits at Merit (or Merit and Excellence), their NCEA will be endorsed with Merit. The Record of Achievement shows endorsement awards.

Credits earned can count towards an endorsement over more than one year and more than one level. However, they must be gained at the level of the certificate or above. For example, Level 2 credits will count towards endorsement of a Level 1 NCEA, but Level 1 credits will not count towards endorsement of a Level 2 NCEA.

Course Endorsement

Course endorsement provides recognition for a student who has performed exceptionally well in an individual course. Students will gain an endorsement for a course if, in a single school year, they achieve"

- 14 or more credits at Merit or Excellence, and
- at least 3 of these credits from externally assessed standards and 3 credits from internally assessed standards. NOTE: this does not apply to Physical Education, Religious Studies and Level 3 Visual Arts.



A course endorsement is not a qualification. A course endorsement can be awarded even if a qualification for that level is not achieved. For example, a student may achieve a Merit endorsement for their Level 2 Mathematics course regardless of whether they achieve NCEA Level 2.

New University Entrance

The requirement below will continue to be the **minimum** requirement for entry to university.

Students will need all of the following to be awarded UE:

- attain NCEA Level 3
- achieve 14 credits at level three in **each of three subjects from the list of approved subjects**. The list of approved subjects will consist of subjects derived from the *New Zealand Curriculum* with achievement standards at Level 3
- achieve UE numeracy - 10 credits at Level 1 and above from specific achievement standards, or three specific numeracy unit standards
- achieve UE literacy - 10 credits (five in reading and five in writing) at Level 2 and above from specific standards.

How will this be implemented?

NCEA Level 3

Students will need to attain NCEA Level 3. Three of their subjects, in each of which they need to achieve at least 14 credits, must be on the list of approved subjects. Any remaining credits from Level 3 or higher that they need in order to gain their Level 3 NCEA can come from any field, subfield or domain. This means that credits from unit standard-based subjects can contribute to UE through this requirement.

Numeracy

Students in Year 11 who achieve NCEA Level 1 will have also met the UE numeracy requirement (see details of the [NCEA Level 1 numeracy](#) requirements).

Literacy

Students in Year 12 may meet their UE literacy requirement through a range of Level 2 or above standards.

14 credits at level three in each of three subjects

Those students intending to study at degree-level must achieve 14 credits at Level 3 in **each of THREE subjects** from the list of approved subjects.

List of Approved Subjects

Aparima College offers the following approved subjects at Level 3 for University Entrance:

Accounting	Biology	Chemistry
Computing	Design and Visual Communication	English
History	Mathematics	Business Studies
Performing Arts	Physics	Visual Art - Photography

Standards fulfilling the literacy requirements for University Entrance

The literacy requirement for university entrance can be fulfilled in either English or Te Reo Māori and Te Reo Rangatira, but not a combination of both:

* 5 credits at Level 2 or higher are required in Reading
Writing

*5 credits at Level 2 or higher are required in

Level 2 English Standards

Standard No	Achievement Standard Title	Credits	Reading	Writing
91098 AS 2.1	Analyse specified aspects of studies written texts, supported by evidence	4	✓	✓
91099 AS 2.2	Analyse specified aspects of studied visual or oral texts, supported by evidence	4		✓
91100 AS 2.3	Analyse significant aspects of unfamiliar written texts through close reading, supported by evidence	4	✓	✓
91101 AS 2.4	Produce a selection of crafted and controlled writing	6		✓
91105 AS 2.8	Use information literacy skills to form developed conclusions	4	✓	
91106 AS 2.9	Form developed personal responses to independently read texts, supported by evidence	4	✓	

Level 3 English Standards

Standard No	Achievement Standard Title	Credits	Reading	Writing
91472 AS 3.1	Respond critically to specified aspects of studied written texts, supported by evidence	4	✓	✓
91473 AS 3.2	Respond critically to specified aspects of studied visual or oral texts, supported by evidence	4		✓
91474 AS 3.3	Respond critically to specified aspects of unfamiliar written texts	4	✓	✓
91475 AS 3.4	Produce a selection of fluent and coherent writing which develops, sustains, and structures ideas	6		✓
91479 AS 3.8	Develop an informed understanding of literature and/or language using critical texts	4	✓	

Note:

Where standards count for either Reading or Writing, an individual student may not count credits for both Reading and Writing unless it is the Scholarship standard.

✓ = The standard is recognised for the reading and/or writing credits

Are you considering doing Scholarship this year?

Scholarship provides recognition and monetary reward to top students in their last year of schooling. Scholarship exams enable candidates to be assessed against challenging standards and are demanding for the most able candidates in each subject.

Scholarship candidates are expected to demonstrate high-level critical thinking, abstraction and generalisation, and to integrate, synthesise and apply knowledge, skills, understanding and ideas to complex situations.

Entry to Scholarship

Students can enter for Scholarship through an accredited New Zealand secondary school. For full details of the entry requirements, see [NCEA Rules and Procedures - Secondary Schools](#).

There are separate fee structures for domestic students and international students. A fee of \$30 (GST incl.) per subject will now be charged for entry into New Zealand Scholarship. International students can enter Scholarship (although they won't get any monetary award) at a cost of \$102.20 per subject.

Eligibility to receive a monetary award

To be eligible to receive a scholarship award, the student must be enrolled in tertiary study in New Zealand for the years in which they receive monetary awards. For awards with second or subsequent year payments recipients must maintain a 'B' grade average during their tertiary study in New Zealand. For full details of the eligibility requirements, see [NCEA Rules and Procedures - Secondary Schools](#).

How many candidates are awarded Scholarship?

Approximately 3 per cent of Year 13 students studying each subject at level 3 are awarded Scholarship, if they reach the standard that has been set. There is some tolerance around the 3 per cent, mainly for those subjects with few candidates. See [Scholarship subjects](#) for a list of this year's scholarship subjects.

How are Scholarship exams marked?

Markers allocate a score of 0-8 for each question in the Scholarship exams using subject specific schedules. These are based on a Generic Marking Guide, as follows:

- An answer given a score of 8 is an *Outstanding answer in all respects. Strong evidence of integration and synthesis. As good as could be expected under examination conditions. Accurate, comprehensive, coherent, lucid, perceptive.*
- A score of 1 shows *Meagre understanding relevant to the question.*
- 0 is awarded for answers that are blank or irrelevant.

The work of the highest scoring candidates is reviewed by marking panels, to identify the top candidates in each subject. Exam booklets for candidates whose scores are close to either the Scholarship or Outstanding cut-offs are also re-marked, to ensure their results are correct.

Exams have between 3 and 6 questions and the scores for each question are indicated in the candidates' exam booklets, which are returned soon after the results.

Scholarship results and winners

Scholarship results are released towards the end of February each year.

NOTE: for more information regarding the entries in blue go to the NZQA website: www.nzqa.govt.nz

Correspondence, Gateway and STAR

There are a variety of Correspondence, Gateway and STAR subjects available for students who have had career counselling and have already established a desire to follow a specialised career pathway.

Students must have discussed these options with their Dean, the Correspondence or the STAR or Gateway Co-ordinators. **NOTE: Approval must be given by the Deputy Principal before undertaking these courses.**

Eligibility to Undertake Courses

- To be eligible to study a correspondence subject and/or participate in the STAR/Gateway programmes students must maintain a good attendance record, acceptable classroom behaviour, and keep achieving within their other subject areas.

Correspondence

- Correspondence subjects are offered by the Correspondence School of New Zealand. These are completed at school, under supervision, and for homework. Students undertaking a correspondence subject need to have a good individual time management skill and the ability to work on their own. These courses of study involve substantial written and reading work.

STAR

- STAR subjects are offered by outside tertiary providers including the Southern Institute of Technology (SIT). There are other courses available offered by other providers. STAR courses may involve being out of school one day a week or may be done 'online' or through correspondence.

Gateway

- The Gateway programme provides senior students with a range of structured learning opportunities in workplaces. These learning opportunities are integrated with students' school-based studies. Students on Gateway must gain 20 credits in a related subject are e.g. chef – Hospitality credits, building – Building and Construction.



For some students, the Gateway programme provides the opportunity to embark on study towards a national qualification in their career of choice. For others, it allows more general skills to be developed and applied in a work context and helps these students better understand the relevance of such skills to their classroom learning.

A student who is enrolled in the Gateway Programme **MUST** have a placement in the workplace. This can be done during school time e.g. 1 day a week, out of school time e.g. holidays, weekends or after school OR a combination of both. There they will work and learn new skills in the workplace and be assessed by an accredited workplace assessor. Students will be assessed against Unit Standards and other qualifications registered on the New Zealand Qualifications Framework. For example, a student may be able to begin their apprenticeship while they are still at school.

Murikihu Trades Academy and Hokonui Tertiary High School Programme

How it works

- Do you want to try some practical hands-on training while you are still at school?
- If you are going to be a Year 12 or 13 secondary school student in 2022, the Trades Academy Course at SIT will help prepare you for higher education, an apprenticeship or gaining a job.

You will

- Gain NCEA credits
- Do real, practical, work-based learning
- Study one day a week (Friday) at SIT and other venues and go to school as normal for the rest of the week. (Full year)
- Get an idea of the career you want to follow

What is on offer

Electrical Engineering
Retail and Tourism
Saloon Skills
Agriculture and Equine
Hospitality and Café Bar, Salon Skills,
Uniformed Services

Level 2

Building / Joinery
Gaming, Art and Design
Auto-Mechanical – Minibikes and Grass Carts
Health and Support Services

Level 3

Digital and Design Animation
Environmental Studies (Achievement Standards)
Individual and Group Fitness
Animal Care
Carpentry/Joinery
Cookery

For more information see Mrs Ward or email hward@aparima.school.nz

Accounting

Level: NCEA 1

Pre-requisites: None

Equipment Needed: Calculator, Three Column paper, 8 Column paper and Journal paper

Information:

Accounting is the communication of financial information so that users can make informed decisions. By the time you have finished this course you will have learnt how to prepare and use financial statements for different types of organizations. Along the way you will develop an understanding of the place of business in modern society and will become familiar with the language of business.

Students taking this course will be offered up to 24 credits in Accounting Achievement Standards towards the National Certificate of Educational Achievement. At Level One individuals and households, community organizations and sole proprietor businesses are studied as follows.

Achievement Standards

Standard	Details	Credits
90976 Acc1.1	Demonstrate understanding of accounting concepts for small entities	3 External
90977 Acc1.2	Process financial transactions for a small entity	5 Internal
90978 Acc1.3	Prepare financial statements for sole proprietors	5 External
90980 Acc1.5	Interpret accounting information for sole proprietors	4 External
90981 Acc1.6	Make a financial decision for an individual or group	3 Internal

Unit Standards may be offered.

Future Directions:

Accounts Clerk	Customs Broker	Management Accountant
Administration/Accounting	Economist	Manager
Auditor	Exporter	Managing Director
Bank Manager	Financial Accountant	Sharebroker/Dealer
Bank Officer	Financial Planner	Small business owner
Bank Teller	Importer	Underwriter
Cost Accountant	Insurance Work	Wages Clerk



Accounting

Level: NCEA 2

Pre-requisites: NCEA Level 1 Accounting/Level 1 Unit Standards

Equipment Needed: Calculator, Three Column paper, 8 Column paper, Journal paper and 2B8 exercise book

Information:

At this level we build on what has been introduced at Year 11 for a sole proprietor with an emphasis on the accounting systems which provides for the management of a business. Students taking this course will be offered up to 24 credits in Accounting Achievement Standards towards the National Certificate of Educational Achievement (Level 2) as follows.

Achievement Standards

Standard	Details	Credits
90220 Acc2.1	Describe the conceptual basis of accounting for a sole proprietor	3 External
90222 Acc2.3	Investigate and report on accounting subsystems	4 Internal
90223 Acc2.4	Demonstrate understanding of accounting process for accounting subsystems	5 External
90224 Acc2.5	Prepare financial statements and related accounting entries for sole proprietors	5 External
90225 Acc2.6	Analyse and interpret information and make recommendation(s) for a sole proprietor	4 External
90226 Acc2.7	Use computer software to process financial transactions for a sole proprietor	3 Internal

Unit Standards may be offered.

Future Directions		
Accounts Clerk	Customs Broker	Management Accountant
Administration/Accounting	Economist	Manager
Auditor	Exporter	Managing Director
Bank Manager	Financial Accountant	Sharebroker/Dealer
Bank Officer	Financial Planner	Small business owner
Bank Teller	Importer	Underwriter
Cost Accountant	Insurance Work	Wages Clerk

Agriculture

Level: 1, 2 and 3

Information:

Students will be working with Primary Industry Training Organisation units to gain credits towards National Certificates. Many of the units' cross credit across the various certificates and as well credits may be counted towards NCEA level 1, 2 and 3.

Students will complete several Achievement Standards. As well.

Some of the unit standards may not be carried out due to lack of time or similar reasons. Wherever possible time is allowed for in the programme for reassessments or completion of unit standards. There will be changes made in order to best fit the requirements of final class numbers and year levels involved.

Unit	Unit Standard	Level	Credit
<i>Agricultural Vehicles and Machinery</i>			
19044	Describe the legal requirements and occupational hazards associated with tractor use	2	2
<i>Farming Skills</i>			
19116	Demonstrate knowledge of livestock behaviour and animal welfare	2	2
<i>General Agriculture</i>			
19145	Describe hydration, nutrition, and sleep in relation to physical well-being of agriculture workers	2	4
23540	Demonstrate knowledge of hazards, hazard control, and the consequences of injury in a rural workplace	2	5
23541	Locate hazards, describe safety procedures, and demonstrate safe work practices in a rural workplace	2	5

Unit	Unit Standard	Level	Credits
<i>Agricultural Vehicles and Machinery</i>			
24554	Ride an All-Terrain Vehicle (ATV) on flat terrain	2	4
24555	Demonstrate knowledge of the safe operation of a motorcycle	2	3

Unit	Unit Standard	Level	Credits
<i>General Agriculture</i>			
19136	Demonstrate the social requirements for daily living in the rural industry	1	2

Unit	Unit Standard	Level	Credit
18192	Demonstrate knowledge of how cows produce milk	2	2

Unit	Unit Standard	Level	Credits
<i>Agricultural Vehicles and Machinery</i>			
24557	Demonstrate knowledge of the safe operation of an All-Terrain Vehicle (ATV)	2	3
24559	Ride an All-Terrain Vehicle (ATV) on undulating terrain	3	6
24561	Ride an All-Terrain Vehicle (ATV) with trailed equipment	3	2
24563	Ride an All-Terrain Vehicle (ATV) with mounted equipment or a load	3	4

Unit	Unit Standard Title	Level	Credits
<i>Fencing</i>			
561	Install, dismantle and store temporary electric fences	2	2
24832	Open and draw out a coil of wire, tie knots, join wire and prepare wire for transport and storage	2	5
24833	Identify and maintain fencing tools and equipment and identify fencing construction materials and wire types	2	3

Unit	Unit Standard Title	Level	Credits
<i>General Agriculture</i>			

23541	Locate hazards, describe safety procedures and demonstrate safe work practices in a rural workplace	2	5
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Unit	Unit Standard	Level	Credits
<i>Pest Control</i>			
21554	Demonstrate knowledge of safety with agrichemicals	2	3

Unit	Unit Standard	Level	Credits
18191	Demonstrate knowledge of safe handling and health problems of dairy cattle associated with milking	2	3
19147	Describe the activities and hazards in a wool shed during shearing for a farm perspective	2	2
19143	Perform calculations for primary production situations	2	4
21555	Demonstrate knowledge of weeds and their control	3	4
18	Identify and treat milking problems in dairy cattle	3	4
19087	Demonstrate knowledge of calf rearing from birth to weaning	3	4
19149	Describe lambing, and the procedures for assisting ewes having difficulty lambing	3	4

Unit	Achievement Standard	Level	Credits
90920	Demonstrate knowledge of geographic distribution of agricultural and horticultural primary production in New Zealand	1	3
90160	Demonstrate knowledge of the impact on the environment of primary production management	1	3



Building and Construction

Level: 1 and 2

Pre-requisites: None

Equipment Needed: Enclosed Leather Shoes

Information:

This course will equip the students with skills that will enable them to seek employment in the building and construction industry, however, the skills learnt will be applicable to any of the trades i.e. carpentry, joinery, welding and sheet metal work.

Unit Standards Level 1

Unit	Details	Level	Credit
12927	Identify, select, maintain and use hand tools for BCATS project	2	6
24355	Demonstrate knowledge of construction and manufacturing materials used in BCATS Projects	1	4
24356	Apply elementary workshop procedures and processes for a BCATS Project	1	8

Unit Standards Level 2

Unit	Details	Level	Credit
24350	Identify, select, maintain and use portable power tools for BCATS Projects	2	6
24351	Demonstrate knowledge of and use specified fixed machinery in construction of BCATS Projects	2	6
31812	Complete a BCATS Project	2	6



Building and Construction

Level: 3

Pre-requisites: Level 2 Building and Construction

Equipment Needed: Enclosed Leather Shoes

Information:

This course will equip the students with skills that will enable them to seek employment in the building and construction industry, however, the skills learnt will be applicable to any of the trades i.e. carpentry, joinery, welding and sheet metal work.

Unit Standards Level 3

Unit	Details	Level	Credit
29681	Measure and calculate for a stage 3 BCATS Project	3	3
29681	Select use and maintain tools, equipment and machinery for a stage 3 BCATS Project	3	4
29684	Undertake a stage 3 BCATS Project	3	12



Business Studies

Level: 2 and 3

This course offers NCEA credits and a Micro-credential in Enterprise.

Through the Young Enterprise Scheme (YES) you run a virtual company for Terms 1, 2 and 3, and have opportunities to practise hands-on business skills as well as making a profit, giving back to your community, winning prizes at regional and national levels, and making friends across New Zealand. You may choose to work alone as a 'sole trader' or in a group. More than 50% of YES students go on to run their own business in the future.

During Term 4 you have the option to take Business Studies external papers which help you gain course endorsements and prepare your career path for a future in Commerce, Business, Agribusiness and Enterprise. The external papers cover business concepts and company case studies.

Year 12 AS 91846 2.4	Conduct Market Research for a new or existing product	3 credits
AS 91848 2.6	Carry out a business activity within a community context with guidance	9 credits
AS 90843 2.1(exam)	Demonstrate understanding of the internal operations of a large business.	4 credits
AS 90844 2.2(exam)	Demonstrate understanding of how a large business responds to external factors.	4 credits

Year 13 AS 91382 3.4	Develop a Marketing Plan for a new or existing product	6 credits
AS 91384 3.6	Carry out, with consultation, an innovative and sustainable business activity	9 credits
AS 91379 3.1 (exam)	Demonstrate understanding of how internal factors interact within a business that operates in a global context.	4 credits
AS 91380 3.2 (exam)	Demonstrate understanding of strategic response to external factors by a business that operates in a global context.	4 credits



Design and Visual Communication

Level: NCEA Level 1

Pre-requisites: Year 10 Graphics is an advantage but not compulsory

Equipment Needed: Students must supply their own equipment and paper, pencils – 4H, 2H, pens – black fine line, water colour pencils, felts, paper, instruments.

Information:

The students work will be assessed against the achievement standards in the Matrix shown below.

Achievement Standards

Standard	Details	Credits
1.30	Produce freehand sketches that communicate own design ideas	3 Internal
1.31	Produce instrumental, multi-view working drawings to communicate own design ideas	3 External
1.32	Produce pictorial drawings using instruments and render these drawings to communicate own design ideas	4 External
1.35	Apply a design process and design principles to identified needs and opportunities	5 Internal
1.36	Present design ideas that show design features and functions	3 Internal

Future Directions

Level 2 Graphics.

Flying Instructor
Harbour Pilot
Surveyor
Sign writer
Architect

Furniture Trades
Engineering
Navy
Property Valuer
Draughtsman

Class Trades
Designer
Tailor/Dressmaker
Electronics Technician

Design and Visual Communication

Level: NCEA Level 2

Pre-requisites: Level 1 Design and Visual Communication

Equipment Needed: Students supply their own equipment and paper i.e. pencils, pens, paper, instruments, coloured pencils, pastels, watercolour pencils and black fine line pens.

Information:

Year 12 Design and Visual Communication is an extension of what has been studied at Year 9, 10 and 11. The course is structured around four sections:

- * Graphic Communication and Design
- * Environmental Design
- * Technological Design
- * Media Design

The skills learnt in Technical Drawing are still taught and these are complimented by design problems that the students are able to solve.

Achievement Standards

Standards	Details	Credits
Internal Credits		
91340 AS 2.33	Use characteristics of a design movement or era to inform own design ideas	3 credits
91341 AS 2.34	Develop a spatial design through Graphics practice	6 credits
91343 AS 2.36	Use visual communication techniques to compose a presentation of design	4 credits
External Credits		
91337 AS 2.30	Use visual communication techniques to generate design ideas	3 credits
91338 AS 2.31	Produce working drawings to communicate technical details of design	4 credits

Design and Visual Communication

Level: NCEA Level 3

Pre-requisites: Level 2 Design and Visual Communication

Equipment Needed: Students supply their own equipment and paper i.e. pencils, pens, paper, instruments, coloured pencils, pastels, watercolour pencils, black fine line pens and writable CD and floppy disks.

Information:

This course is design based, the purpose being for students to develop and apply their graphic skills to solving problems.

One of the projects will be based on a negotiated brief based on the needs of a client, identified by the student.

Achievement Standards

Standards	Details	Credits
	<i>Construction and Mechanical Technologies</i>	
AS 3.21	Implement complex procedures using textile materials to make a specified produce	6 Internal
AS 3.22	Implement complex procedures to make a specified product using a Computer Numerical Controlled (CNC) machine	4 Internal
AS 3.23	Implement complex procedures to create an applied design for a specified product	4 Internal



Digital Technology

Level: NCEA 1

Pre-requisites: None

Information:

Year 11 Digital Technology (NCEA Level 1) extends the knowledge and skills learned in Year 10. Students will strengthen core knowledge related to the management of digital information, including ethical issues relating to use of digital information. Students will develop skills and knowledge of tools and techniques in the areas of digital information, digital media and computer programming. Students will apply their knowledge and skill as they are engaged in technological practice to develop their own computer game/website and related promotional materials.

This year you will be creating a computer game that educates the young kids in Maths or Science playing it. There is an issue at the moment where NZ primary school kids are falling behind in Maths and Science. We will be trying to create a tool to fix this. You are required to develop a Proposal and a Design for this computer game. You will then proceed to develop the computer game where you will code your own work or create the digital media required for the game using an iterative process. The learning and teaching throughout the year, will have a focus on human computer interaction which will enable you to write the External Report.

A list of possible Unit and Achievement Standards that the student may build their course around:

Standard	Version	Credits
AS91877	Develop a proposal for a digital outcome	3 Internal
AS91878	Develop a design for a digital outcome	3 Internal
AS91880	Develop a digital media outcome	4 Internal
AS91883	Develop a computer program	4 Internal
AS91884	Use basic iterative processes to develop a digital outcome	6 Internal
AS91886	Demonstrate understanding of human computer interaction	3 External
US2792	Produce simple desktop published documents using templates	2 Internal
US5946	Use computer technology to create and deliver a presentation from given content	3 Internal
US18743	Produce a spreadsheet from instructions using supplied data	2 Internal
US18758	Find information using the Internet	2 Internal
US25659	Create a web page using a mark-up language with a text editor	2 Internal
US26745	Produce still images for a range of digital media	3 Internal
US26745	Produce still images for a range of digital media	3 Internal

Overall, the course will allow students to mix and match a variety of Achievement and Unit Standards to enable them to develop an excellent foundation in research, design, problem solving and digital technology skills which will complement many areas of tertiary studies (Computer Science, Information Science, Design, Business Administration & Engineering)

Digital Technology

Level: NCEA 2

Pre-requisites: None

Information:

Year 12 Digital Technology (NCEA Level 2) extends the knowledge and skills learned in NCEA Level 1. The course requires the students to undertake technological practice to create “fit for purpose” digital outcomes. As part of this practice students plan, develop, test and evaluate these against the requirements of the brief. Students will further enhance their skills and knowledge of tools and techniques in the areas of digital information, digital media and computer programming.

This year you will be creating Digital Outcome of your choosing to fulfil a Need or Opportunity. You are required to conduct an Inquiry for a Proposal and apply conventions to Design the outcome. You will then proceed to use advanced processes to develop the outcome. The External Report will focus on writing a summary of the development of your digital outcome.

A list of possible Standards that the student may build their course around:

Standard	Version	Credits
AS98190	Conduct an inquiry to propose a digital technologies outcome	6 Internal
AS91891	Apply conventions to develop a design for a digital technologies’ outcome	3 Internal
AS91893	Use advanced techniques to develop a digital media outcome	4 Internal
AS91897	Use advanced processes to develop a digital technologies outcome	6 Internal
AS91899	Present a summary of developing a digital outcome	3 External
US2784	Create and use a computer spreadsheet to solve a problem	3 Internal
US2788	Produce desktop published documents to meet a set brief	5 Internal
US5940	Produce a presentation using a desktop presentation computer application	3 Internal
US18740	Create a simple computer program to meet a set brief	3 Internal
US25656	Create a website using a mark-up language to meet a set brief	3 Internal

Overall, the course will allow students to mix and match a variety of Achievement and Unit Standards to enable them to develop an excellent foundation in research, design, problem solving and digital technology skills which will complement many areas of tertiary studies. (Computer Science, Information Science, Design, Business Administration & Engineering)

Digital Technology

Level: NCEA 3

Pre-requisites: None

Information:

Year 13 Digital Technology (NCEA Level 3) extends the knowledge and skills learned in NCEA Level 1 & 2. The course requires the students to be able to demonstrate understanding of complex concepts related to the one or more of the following strands.

- Digital Information
- Computer Science (Programming)
- Digital Media

This year you will be creating Digital Outcome of your choosing to fulfil a Need or Opportunity. You are required to conduct an Inquiry for a Proposal and apply conventions to Design the outcome. You will then proceed to use advanced processes to develop the outcome. The External Report will focus on writing an analysis of the development of your digital outcome.

Standard	Version	Credits
AS91900	Conduct a critical inquiry to propose a digital technologies outcome	6 Internal
AS91901	Apply user experience methodologies to develop a design for a digital technologies' outcome	3 Internal
AS91906	Use complex programming techniques to develop a computer program	6 Internal
AS91907	Use complex processes to develop a digital technologies outcome	6 Internal
AS91909	Present a reflective analysis of developing a digital outcome	3 External
US2785	Create a computer spreadsheet to provide a solution for organisation use	5 Internal
US2789	Produce desktop published documents for organisation use	6 Internal
US5947	Use computer technology to solve a specified problem	3 Internal
US5953	Create and monitor a project plan using a computer application	3 Internal
US18741	Create a computer program to provide a solution	6 Internal
US24872	Produce documents for a workplace using a computer	3 Internal
US25657	Create a website for a stakeholder using a mark-up language	6 Internal

Overall, the course will allow students to mix and match a variety of Achievement and Unit Standards to enable them to develop an excellent foundation in research, design, problem solving and digital technology skills which will complement many areas of tertiary studies (Computer Science, Information Science, Design, Business Administration & Engineering)

English

Level: NCEA 1

Information:

This course aims to cover both literacy and academic English, with one option leading to examinations and another towards work readiness. Students should aim to gain 10 literacy credits across their subjects.

A range of standards will be assessed internally during the course of the year, along with up to two external examinations, to a minimum of 16 credits and chosen from the following:

Achievement Standards

Standard	Details	Credits
90052 AS 1.4	Produce creative writing	3 Internal
90053 AS 1.5	Produce formal writing	3 Internal
90857 AS 1.6	Construct and deliver oral text	3 Internal
90852 AS 1.8	Explain significant connections across texts	4 Internal
90854 AS 1.10	Form personal responses to independently read texts	4 Internal
90856 AS 1.11	Close viewing of visual or oral texts	3 Internal

Option 1: Academic careers

90849 AS 1.1	Show understanding of studied written texts	4 External
90850 AS 1.2	Show understanding of studied visual or oral texts	4 External
90851 AS 1.3	Show understanding of unfamiliar written texts	4 External

Option 2: Work readiness

US 4253	Demonstrate knowledge of job search skills	3 Internal
US 4252	Produce a targeted CV	2 Internal
US 1293	Be interviewed in an informal interview	2 Internal

Future Directions

Literacy and English are useful for most careers



English

Level: NCEA 2

Pre-requisites: Good results at Level 1

Information:

A course of English is advised but not compulsory at Year 12 and leads towards the National Certificate of Educational Achievement Level 2. This course aims to strengthen literacy and academic English, with one option leading towards a Tertiary Study pathway and another towards work readiness.

The NCEA Level 2 External Examination English course covers a range of Achievement Standards and Unit Standards, some assessed internally during the course of the year, and some externally in November. Homework comprises regular reading and literary analysis, plus study towards specific standards and revision for external essay-based examinations. Students will aim to gain a minimum of 16 credits and will select from the following standards:

Achievement Standards

Standard	Details	Credits
91101 AS 2.4	Produce a selection of crafted and controlled writing	6 Internal
91102 AS 2.5	Construct and deliver a crafted and controlled oral text	3 Internal
91104 AS 2.7	Analyse significant connections across texts	4 Internal
91107 AS 2.10	Analyse aspects of visual and/or oral texts through close viewing and/or listening	3 Internal

Option 1: Professional careers

91098 AS 2.1	Analyse specified aspects of studied written texts	4 External
91099 AS 2.2	Analyse specified aspects of studied visual or oral texts	4 External
91100 AS 2.3	Analyse significant aspects of unfamiliar written texts	4 External

Option 2: Work readiness (Sorted in Schools standards)

US 28092	Analyse the effect of significant life events on personal financial income	3 Internal
US 28096	Demonstrate understanding of insurance products for personal financial capability	3 Internal
US 1294	Be interviewed in a formal interview	2 Internal

Future Directions

Students will be encouraged to enter debating, film and writing competitions. English leads to a wide range of jobs and other qualifications including marketing, law, journalism, business, management, marketing, teaching, museum directorship and librarianship.

English

Level: NCEA 3

Pre-requisites: Good results at Level 2

Information:

A course of English at Year 13 leads towards the National Certificate of Educational Achievement Level 3 and to prepare student for tertiary studies as well as life beyond school. Students can gain enough credits for a University Entrance *basket* and for course endorsement.

Coursework has a focus on evaluating visual media including films and their directors. In addition, the course helps students to develop critical thinking skills and to write for a range of audiences and purposes. If you want to know the difference between fact and conspiracy, and then persuade your friends to believe you, this course is for you!

Achievement Standards

Standard	Details	Credits
91473 AS 3.2	Respond critically to specified aspects of studies visual or oral texts, supported by evidence	4 External
and/or 91474 AS 3.3	Respond critically to specified aspects of unfamiliar written texts	4 External
91475 AS 3.4	Produce a selection of fluent and coherent writing which develops, sustains and structures ideas	6 Internal
91476 AS 3.5	Create and develop a fluent and coherent oral text	3 Internal
91479 AS 3.8	Develop an informed understanding of literature and/or language using critical texts	4 Internal
91480 AS 3.9	Respond critically to significant aspects of visual and/or oral texts through close reading, supported by evidence	3 Internal

Future Directions

Students will be encouraged to enter film and writing competitions.

English leads to a wide range of jobs and other qualifications including marketing, media, law, journalism, business, management, teaching and librarianship.

FINANCIAL LITERACY

Level: NCEA 2

Pre-requisites: None

Equipment Needed: Nil

Information:

The National Financial Educators Council defines financial literacy as:

“Possessing the skills and knowledge on financial matters to confidently take effective action that best fulfills an individual’s personal, family and global community goals.”

In the financial literacy course, we will continue to look at the financial issues the students will need to be able to understand and be able to complete to function successfully when they leave school. The students will be able to produce a balanced budget with changing circumstances, have an understanding of how the banking systems work and what products are available for them to utilise and learn the steps needed to be able to purchase major items that meet their needs (cost/aesthetics etc).

A large part of this course the student will be completing the work using technology and they may be able to complete some relevant computing unit standards as well (spreadsheets, word processing, etc), depending on the student’s level and ability.

	Standard	Version	Credits
Managing income	US 28092	Analyse the effect of significant life events at different life stages on personal financial income	3 Internal
	US 24699	Make an informed decision relating to personal income and explain its impacts	2 Internal
	US 24695	Explain taxation and other deductions relating to personal income	2 Internal
Credit and debt	US28093	Describe the financial responsibilities and consequences of tertiary study funding options	3 Internal
Setting goals & budgeting	US 28094	Produce a balanced household budget and adjust the budget to reflect changing financial circumstances	3 Internal
Saving and investing	US28095	Analyse personal financial investment options	3 Internal
Protecting assets and wealth	US 28096	Demonstrate understanding of insurance products for personal financial capability	3 Internal
Spending and transactions	US 28097	Analyse and select banking products and services in relation to personal finances	3 Internal



FINANCIAL LITERACY

Level: NCEA 3

Pre-requisites: None

Equipment Needed: Nil

Information:

In the financial literacy course, we will develop a really strong understanding of the financial issues that students will need to complete to function successfully when they leave school. The students will review options to increase personal income, the effect risk has on your finances. As well as developing a long-term financial plan and investigating different options in buying a property.

A large part of this course the student will be completing the work using technology and they may be able to complete some relevant computing unit standards as well (spreadsheets, word processing, etc), depending on the student's level and ability.

	Standard	Version	Credits
Managing income	US28098	Evaluate options to increase personal income	3 Internal
Credit and debt	US28099	Analyse credit options and select strategies to manage personal finances	3 Internal
Setting goals & budgeting	US28100	Develop a plan to achieve a long-term personal financial goal(s)	4 Internal
Saving and investing	US28101	Create a long-term personal financial investment portfolio	4 Internal
Protecting assets and wealth	US28102	Demonstrate understanding of risk and return on investment for a personal financial investment portfolio	4 Internal
Spending and transactions	US28103	Analyse and select personal financing options for purchasing a property	4 Internal
	US28104	Analyse the impact(s) of external factors on personal finances	3 Internal

Food Nutrition

Level: 1, 2 and 3 (Year 11, 12 and 13)

Pre-requisite: An interest in food and food preparation and presentation

Equipment Needed: Enclosed Leather Shoes
Clear file

Information:

In this course we will explore the importance of food safety and how different cultures have influenced the food we eat. Students will prepare a wide variety of foods through weekly practical lessons. All students can gain NCEA level 1 literacy through this course and/or gain a course endorsement in Home Economics.

Achievement Standards – Level 1

Standard	Details	Credit
AS 90959 v3	Demonstrate knowledge of practices and strategies to address food handling issues	5 credits, literacy, internal
AS 91082 v4	Implement basic procedures to process a specified product	4 credits, internal
AS 90958 v3	Demonstrate understanding of how cultural practices influence eating patterns in New Zealand	5 credits, literacy, internal
AS 90961 v3	Demonstrate understanding of how packaging information influences an individual's food choices and well-being	4 credits, literacy, external



In this course students will investigate the sustainability of food related practices and how they can contribute to a sustainable future through their personal actions. Students will further explore determinants of health and how our food choices influence our overall well-being. Students can gain UE literacy and course endorsement in Home Economics.

Achievement Standards – Level 2

Unit	Details	Credit
AS 91302 v2	Evaluate sustainable food related practices	5 credits, literacy, internal
AS 90810 v3	Undertake a personal action, with reflection, that contributes to a sustainable future	6 credits, literacy, internal
AS 91299 v2	Analyse issues related to the provision of food for people with specific food needs	5 credits, literacy, internal
AS 91300 v2	Analyse the relationship between well-being, food choices and determinants of health	4 credits, literacy & UE writing, external

The above course allows students to gain UE literacy and course endorsement in Home Economics.

This course of study will investigate nutritional issues that are of relevance to NZ society and develop and carry out an action plan to address these issues. Students will continue to gain practical experiences throughout the year. Students can gain UE literacy and course endorsement in Home Economics.

Achievement Standards – Level 3

Unit	Details	Credit
<i>Term 1</i>		
AS 914666	Investigate issue affecting the well-being of New Zealand society	5 credits, internal
<i>Term 2</i>		
AS 91467	Implement an action plan to address a nutritional issue affecting the well-being of New Zealand society	5 credits, internal
<i>Term 3</i>		
AS 90828	Evaluate a personal action that contributes towards a sustainable future	6 credits, internal
<i>Term 4</i>		
AS 91471	Analyse the influences of food advertising on well-being	4 credits, internal

The above course allows students to gain EU literacy and course endorsement in Home Economics.

Future Direction

Early Childhood Education, Primary School Teacher, Hospitality Industry – Chef, Waiting Staff, Kitchen Staff, Household Staff, Nutrition Advisor/Dietician, Food Technologist, Food Stylist, Food Writer, etc.

Humanities

Level: NCEA 1

Pre-requisites: An interest in History and Geography

Information:

Humanities is a combined course of History and Geography and is designed to cater for those who want to know more about the world they live in through a study of past events which have shaped New Zealand, combined with knowledge of the physical and cultural setting and how it works.

The final course will consist of no less than 18 credits from History and Geography and will be decided by student interest. Possible achievement standards are listed below.

History Standards

Standard	Details	Credits
91001 AS1.1	Carry out an investigation of an historical event, or place of significance to New Zealanders	4 Internal
91002 AS1.2	Demonstrate understanding of an historical event, or place, of significance to New Zealanders.	4 Internal
91003 AS1.3	Interpret sources of an historical event of significance to New Zealanders.	4 External
91004 AS1.4	Demonstrate understanding of different perspectives of people in an historical event of significance to New Zealanders.	4 Internal
91005 AS1.5	Describe the causes and consequences of an historical event.	4 External
91006 AS1.6	Describe how a significant historical event affected New Zealand society.	4 External

Geography Standards

Standard	Details	Credits
91010 AS1.4	Apply concepts and basic geographic skills to demonstrate understanding of a given environment	4 External
91011 AS1.5	Conduct geographic research with direction	4 Internal
91012 AS1.6	Describe aspects of a contemporary New Zealand geographic issue	3 Internal
91013 AS1.7	Describe aspects of a geographic topic at a global scale	3 Internal

Future Direction

This course is designed to give students experience of both History and Geography. The two subjects will be continued in Year 12 as Humanities and will allow entry into History at Level 3.

Humanities

Level: NCEA 2

Pre-requisites: An interest in History and Geography (although not a pre-requisite, it is beneficial to have taken Level 1 Humanities).

Information:

This course offers a balance of both New Zealand and World History, and both physical and cultural Geography. The final course will consist of no less than 18 credits from History and Geography and will be decided by student interest. Possible achievement standards are listed below.

History Standards

Standard	Details	Credits
91229 AS2.1	Carry out an inquiry of an historical event or place that is of significance to New Zealanders	4 Internal
91230 AS2.2	Examine an historical event, or place, of significance to New Zealanders.	5 Internal
91231 AS2.3	Examine sources of an historical event that is of significance to New Zealanders	4 External
91232 AS2.4	Interpret different perspectives of people in an historical event that is of significance to New Zealanders	5 Internal
91233 AS2.5	Examine causes and consequences of a significant historical event.	5 External
91234 AS2.6	Examine how a significant historical event affected New Zealand society	5 External

Geography Standards

Standard	Details	Credits
91243 2.4	Apply geography concepts and skills to demonstrate understanding of a given environment	4 External
91244 2.5	Conduct geographic research with guidance.	5 Internal
91245 2.6	Explain aspects of a contemporary New Zealand geographic issue	3 Internal
91013 1.7	Describe aspects of a geographic topic at a global scale	3 Internal

Future Directions

This course allows students to complete the entry requirements for NCEA level 3 History.

History

Level: NCEA 3

Pre-requisites: 12 History credits at NCEA Level 2

Information:

NCEA Level 3 History takes an in-depth look into historical events, perspectives and relationships. The course will consist of no less than 20 credits.

History Standards

Standard	Details	Credits
AS3.2	Analyse an historical event, or place, of significance to New Zealanders.	5 Internal
AS3.3	Analyse evidence relating to an historical event of significance to New Zealanders.	4 External
AS3.4	Analyse different perspectives of a contested event of significance to New Zealanders.	5 Internal
AS3.6	Analyse a significant historical trend and the force(s) that influenced it.	6 External

Future Directions

History credits will go towards University Entrance. The research and analytical skills students develop in History are useful for a range of careers in Law, Politics, Policy Analysis, Film, Journalism, Teaching, Museum Studies and many more.



Mathematics

Level: NCEA Level 1

Pre-requisites: There is no prerequisite for this course. Mathematics at Level 1 is compulsory

Equipment required: This course requires students to have their own scientific calculator, and a graphics calculator is preferable. NZQA states students without a graphics calculator are disadvantaged. A graphics calculator is also required for NCEA Level 2 and 3 Mathematics.

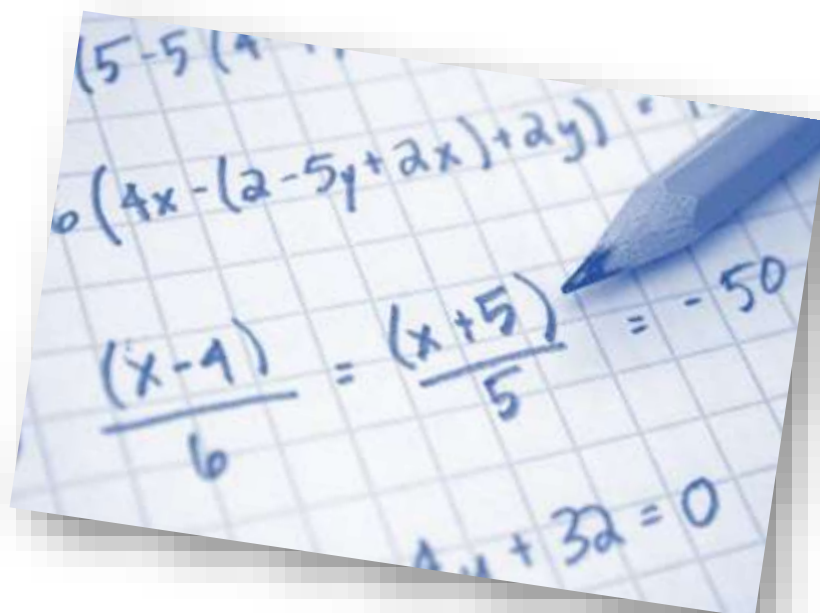
Information:

This course is suited to students who would like to study Mathematics at Level 2 and or 3, enter the workforce upon leaving school, gain a trade qualification, complete a course at Polytechnic and/or intend to study at university. Students who achieve well in this course could take a Level 2.

This course comprises of internally and externally assessed Achievement Standards and offers a maximum of 22 credits. Internal assessments will be sat throughout the year as each achievement standard is learnt and students can show that they are ready to be assessed. External assessments will take the form of a written examination at the end of the year. The course will consist of a selection from the following internal and external achievement standards.

Achievement Standards

Standard	Details	Credits
AS 91036	Investigate bivariate numerical data using the statistical enquiry cycle 1.11	3 Internal
AS 91030	Apply measurement in solving problems 1.5	3 Internal
AS 91028	Investigate relationships between tables, equations and graphs 1.3	4 External
AS 91038	Investigate a situation involving elements of chance 1.13	3 Internal
AS 91026	Apply numeric reasoning in solving problems 1.1	4 Internal
AS 91029	Apply linear algebra in solving problems 1.4	3 Internal
AS 91035	Investigate a given multivariate data set using the statistical enquiry cycle 1.10	4 Internal
AS 91037	Demonstrate understanding of chance and data 1.12	4 External



Mathematics

Level: NCEA Level 2 Mathematics with Statistics

Pre-requisites: Students must have achieved well in NCEA Level 1 Mathematics to enrol in this course and entry to this course is at the discretion of the Head of Mathematics.

Equipment required: This course requires students to have their own graphics calculator. NZQA states students without a graphics calculator are disadvantaged. A graphics calculator is also required for NCEA Level 3 Mathematics.

Information:

This course comprises of internally and externally assessed Achievement Standards and offers a maximum of 19 credits. Internal assessments will be sat throughout the year as each Achievement Standard is learnt and students can show that they are ready to be assessed. External assessments will take the form of a written examination at the end of the year. The course will consist of a selection from the following internal and external Achievement Standards.

Achievement Standards

Standard	Details	Credits
AS 91260	Apply network methods in solving problems 2.5	2 Internal
AS 91265	Conduct an experiment to investigate a situation using statistical methods 2.10	3 Internal
AS 91259	Apply trigonometric relationships in solving problems 2.4	3 Internal
AS 91264	Use statistical methods to make an inference 2.9	4 Internal
AS 91268	Investigate a situation involving elements of chance using a simulation 2.13	2 External
AS 91267	Apply probability methods in solving problems 2.12	4 External
AS 91056	Apply co-ordinate geometry in solving problems 2.1	2 Internal
AS 91058	Apply sequences and series in solving problems 2.3	2 Internal
AS 91063	Design a questionnaire 2.8	3 Internal
AS 91266	Evaluate a statistically based report 2.11	2 Internal

Future Directions

This course is suited to students who would like to study Statistics at Level 3, enter the workforce upon leaving school, gain a trade qualification and or undertake further study at Polytechnic and or University. Students who do well in this course could then take Level 3 Mathematics with statistics.



Mathematics

Level: NCEA Level 2 Mathematics with Calculus

Pre-requisites: Students must have achieved well in NCEA Level 1 Mathematics to enrol in this course and entry to this course is at the discretion of the Head of Mathematics.

Equipment required: This course requires students to have their own graphics calculator. NZQA states students without a graphics calculator are disadvantaged. A graphics calculator is also required for NCEA Level 3 Mathematics.

Information:

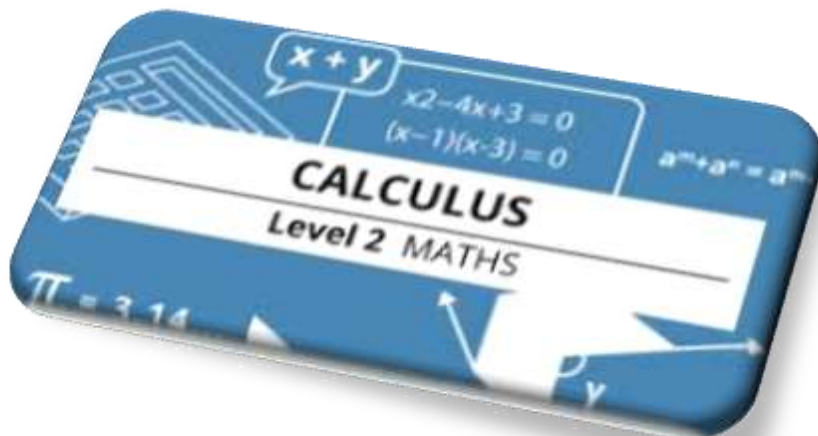
This course comprises of internally and externally assessed Achievement Standards and offers a maximum of 20 credits. Internal assessments will be sat throughout the year as each Achievement Standard is learnt and students can show that they are ready to be assessed. External assessments will take the form of a written examination at the end of the year. This course will consist of a selection from the following internal and external Achievement Standards.

Achievement Standards

Standard	Details	Credits
AS 91256	Apply coordinate geometry methods in solving problems 2.1	2 Internal
AS 91259	Apply trigonometric relationships in solving problems 2.4	3 Internal
AS 91257	Apply graphical methods in solving problems 2.2	4 Internal
AS 91269	Apply systems of equations in solving problems	2 Internal
AS 91261	Apply algebraic methods in solving problems 2.6	4 External
AS 91258	Apply sequences and series in solving problems 2.3	2 Internal
AS 91060	Apply network methods in solving problems 2.5	2 Internal
AS 91262	Apply calculus methods in solving problems 2.7	5 External

Future Directions

This course is suited to students who intend to study Calculus and/or Statistics at Level 3, intend to study Physics at Level 3 and/or intend to study Sciences, Infrastructure or Engineering at University



Mathematics

Level: NCEA Level 3 with Statistics

Pre-requisites: Students must have achieved well in NCEA Level 2 Mathematics with Statistics or Calculus to enrol in this course and entry to this course is at the discretion of the Head of Mathematics.

Equipment required: This course requires students to have their own graphics calculator. NZQA states students without a graphics calculator are disadvantaged. A graphics calculator is also required for NCEA Level 3 Mathematics.

Information:

This course comprises of internally and externally assessed Achievement Standards and offers a total of 24 credits and provides students with the opportunity to gain University Entrance. Internal assessments will be sat throughout the year as each Achievement Standard is learnt and students can show that they are ready to be assessed. External assessments will take the form of a written examination at the end of the year. The course will consist of a selection from the following internal and external Achievement Standards.

Achievement Standards

Standard	Details	Credits
AS 91583	Conduct an experiment to investigate a situation using experimental design principles 3.11	4 Internal
AS 91574	Apply linear programming methods in solving problems 3.2	3 Internal
AS 91580	Investigate time series data 3.8	4 Internal
AS 91576	Use critical path analysis in solving problems 3.4	2 Internal
AS 91581	Investigate bivariate measurement data 3.9	4 Internal
AS 91585	Apply probability concepts in solving problems 3.13	4 External
AS 91584	Evaluate statistically based reports	4 External
AS 91586	Apply probability distributions in solving problems 3.14	4 External
AS 91382	Use statistical methods to make a formal inference 3.10	4 Internal
AS 91587	Apply systems of simultaneous equations in solving problems 3.15	3 Internal

Future Directions

This course is suited to students who would like to enter the workforce upon leaving school, gain a trade qualification, complete a course at a Polytechnic and or University.

Mathematics

Level: NCEA Level 3 with Calculus

Pre-requisites: Students must have achieved well in NCEA Level 2 Mathematics with Calculus to enrol in this course and entry to this course is at the discretion of the Head of Mathematics.

Equipment required: This course requires students to have their own graphics calculator. NZQA states students without a graphics calculator are disadvantaged. A graphics calculator is also required for NCEA Level 3 Mathematics.

Information:

This course comprises of internally and externally assessed Achievement Standards and offers a total of 24 credits and provides students with the opportunity to gain University Entrance. Internal assessments will be sat throughout the year as each Achievement Standard is learnt and students can show that they are ready to be assessed. External assessments will take the form of a written examination at the end of the year. The course will consist of a selection from the following internal and external Achievement Standards.

Achievement Standards

Standard	Details	Credits
AS 91573	Apply the geometry of conic sections in solving problems 3.1	3 Internal
AS 91574	Apply linear programming methods in solving problems 3.2	3 Internal
AS 91575	Apply linear trigonometric methods in solving problems 3.3	4 Internal
AS 91576	Use critical path analysis in solving problems 3.4	2 Internal
AS 91277	Apply the algebra of complex numbers in solving problems 3.5	5 External
AS 91578	Apply differentiation methods in solving problems 3.6	6 External
AS 91579	Apply integration methods in solving problems 3.7	6 External
AS 91587	Apply systems of simultaneous equations in solving problems 3.15	3 Internal

Future Directions

This course is suited to students who would like to enter the workforce upon leaving school, gain a trade qualification, complete a course at a Polytechnic and or University.



Outdoor Recreation (Two-year programme)

Level: Year 12 and 13

Cost: The following activities in the Outdoor Recreation programme may incur a fee. The amount of the fee will be notified before the activity occurs. A large majority of the course is funded by STAR.
Adventure Based Learning (Ropes Course)
Bushcraft
Water based
Sport Orientated

Pre-requisites: Level 1 NCEA with Literacy and Numeracy. Mature, responsible and physically active.

Equipment Needed: Most provided except for obvious personal gear e.g. boots, packs etc.

Information:

Some of the unit standards may not be carried out due to lack of time or similar reasons. Wherever possible time is allowed for in the programme for reassessments or completion of unit standards. There will be changes made in order to best fit the requirements of final class numbers and year levels involved. This course is multi-level and runs over two years.

Unit	Details	Level	Credits
<i>Adventure Based Learning</i> (held at Adventure Southland)			
467	Personal and social development through ABL	2	3
470	Personal and social development through low ropes	2	3
473	Personal and social development through high ropes	2	3
468	Assist in facilitation	3	6
471	Assist in facilitation of low ropes course activities for the development of participants	3	6
474	Assist in facilitation of high ropes course activities for the development of participants	3	6
24663	Demonstrate leadership while participating in an adventure-based learning programme	3	3
<i>Bushcraft Orientated</i>			
425	Experience day tramps	2	3
<i>Snow Based</i>			
4596	Snowboard on beginner terrain	2	4

Unit	Details	Level	Credits
<i>Land Based</i>			
431	Navigate in good visibility on land	2	3

Physical Education and Health

Level: NCEA Level 1

Pre-requisites: Entry requirements for this course are successful completion of the Year 10 HPW programme, literacy and numeracy skills. Students also are required to be physically active.

Information:

Physical Education and Health provides students with an opportunity to build on existing sporting skills and gain new skills within a variety of movement contests. Students will learn to look after their body and develop their personal fitness as well as to demonstrate an understanding of the human body within a practical and theoretical environment. All standards assessed are Achievement Standards.

Physical Education Achievement Standards

Unit	Details	Credits
90962 AS 1.1	Participate actively in a variety of physical activities and explain factors that influence own participation	5 Internal
90963 AS 1.2	Demonstrate understanding of the function of the body as it relates to the performance of physical activity	5 Internal
90964 AS 1.3	Demonstrate quality movement in the performance of a physical activity	3 Internal
90966 AS 1.5	Demonstrate interpersonal skills in a group and explain how these skills impact on others	4 Internal
90967 AS 1.6	Demonstrate strategies to improve the performance of a physical activity and describe the outcomes	3 Internal
90969 AS 1.8	Take purposeful action to assist others to participate in physical activity	2 Internal

Health Education Achievement Standards

Unit	Details	Credits
90971 AS 1.1	Take action to enhance an aspect of personal well-being	3 Internal

Physical Education and Health

Level: NCEA Level 2

Pre-requisites: Entry requirements for this course are successful completion of the Year 11 HPW programme, literacy and numeracy skills. Students also are required to be physically active.

Information:

In this course students engage in both practical and theoretical components in a wide range of contexts. Students will apply different training principles and methods to a training programme while training for an event. They will learn how to develop and demonstrate interpersonal and social responsibility skills in a range of different sporting contexts, focusing on leadership. Students will also manage risk in different adventure-based learning activities. All standards assessed are Achievement Standards.

Physical Education Achievement Standards

Unit	Details	Credits
91329 AS 2.3	Demonstrate understanding of the application of biophysical principles to training for physical activity	4 Internal
91330 AS 2.4	Perform a physical activity in an applied setting	4 Internal
91332 AS 2.6	Evaluate leadership strategies that contribute to the effective functioning of a group	4 Internal
91333 AS 2.7	Analyse the application of risk management strategies to a challenging outdoor activity	3 Internal
91334 AS 2.8	Consistently demonstrate social responsibility through applying a social responsibility model in physical activity	3 Internal



Performing Arts – Music, Drama, Dance

Full time course or extra practical credits through the Itinerant Music Programme or extra-curricular music lessons.

Level: NCEA 1, 2 and 3

Pre-requisites: To be playing an instrument/vocals or dancing for music and dance.
Level 3 must have taken either Level 1 or 2 or had relevant previous experience.

Equipment Needed: Own or hired instrument.

Information: Students can blend music, dance and drama credits towards a National Certificate in Performing Arts at the discretion of, and in consultation with, HOD Performing Arts.

Achievement Standards – Music – Level 1

Unit	Details	Credits
91090 AS 1.1	Perform two pieces of music as a featured soloist	6 Internal
91091 AS1.2	Demonstrate ensemble skills through performing a piece of music as a member of a group	4 Internal
91092 AS 1.3	Compose two original pieces of music	6 Internal
91095 AS 1.6	Demonstrate knowledge of two music works from contrasting contexts	6 Internal
27656	Demonstrate and apply introductory knowledge of music technology equipment and techniques	4 Internal

Achievement Standards – Music – Level 2

Unit	Details	Credits
91270 AS 2.1	Perform two substantial pieces of music as a featured soloist	6 Internal
91272 AS 2.3	Demonstrate ensemble skills by performing a substantial piece of music as a member of a group	4 Internal
91278 AS 2.9	Investigate an aspect of New Zealand music	4 Internal

Achievement Standards – Music – Level 3

Unit	Details	Credits
91416 AS 3.1	Perform two programmes of music as a featured soloist	8 Internal
91418 AS3.3	Demonstrate ensemble skills by performing two substantial pieces as a member of a group	4 Internal
91425 AS 3.10	Research a music topic	6 Internal

Achievement Standards – Drama – Level 1

Unit	Details	Credits
90006 AS 1.1	Apply drama techniques in a dramatic contest	4 Internal
90997 AS 1.2	Devise and perform a drama	5 Internal
90998 AS 1.3	Demonstrate understanding of features of a drama/theatre form	4 External
90999 AS1.4	Select and use features of a drama/theatre form in a performance	4 Internal
90009 AS 1.6	Perform an acting role in a scripted production	5 Internal
90011 AS 1.7	Demonstrate understanding of the use of drama aspects within live performance	4 External

Achievement Standards – Drama – Level 2

Unit	Details	Credits
91213 AS 2.1	Apply drama techniques in a scripted context	4 Internal
91214 AS 2.2	Devise and perform a drama to realise an intention	5 Internal
91215 AS 2.3	Discuss a drama or theatre form or period with reference to a text	4 External
91216 AS 2.4	Perform features of a complex drama or theatre form or period	4 Internal
91218 AS 2.6	Perform a substantial acting role in a scripted production	5 Internal
91220 AS 2.8	Script a scene suitable for drama performance	4 Internal
91221 AS 2.9	Direct a scene for drama performance	4 Internal

Achievement Standards – Drama – Level 3

Unit	Details	Credits
91512 AS 3.1	Interpret scripted text to integrate drama techniques in performance	4 Internal
91513 AS 3.2	Devise and perform a drama to realise a concept	5 Internal
91515 AS 3.4	Select and use complex performance skills associated with a drama form or period	4 Internal
91516 AS 3.5	Demonstrate understanding of the work of a drama or theatre theorist or practitioner	4 Internal
28002	Research, develop and visually communicate a costume design concept for a given work	6 Internal
28004	Research, develop, visually communicate, and apply a make-up design concept for a given work	6 Internal
28006	Research, develop and visually communicate a set design concept for a given work	6 Internal
28008	Apply set construction skills to meet a set design concept for a given work	6 Internal

Achievement Standards – Dance – Level 1

Unit	Details	Credits
90002 AS 1.2	Perform dance sequences	6 Internal
90859 AS 1.3	Demonstrate ensemble skills in a dance	4 Internal

Achievement Standards – Dance – Level 2

Unit	Details	Credits
91206 AS 2.2	Choreograph a solo dance to communicate an intention	4 Internal
91209 AS 2.5	Perform a repertoire of dance	6 Internal

Achievement Standards – Dance – Level 3

Unit	Details	Credits
91588 AS 3.1	Produce a dance to realise a concept	8 Internal
91590 AS 3.3	Perform a solo or duet dance	4 Internal
91591 AS 3.4	Perform a group dance	4 Internal
91592 AS 3.5	Perform a repertoire of contrasting dances	6 Internal

Science

Level: NCEA Level 1

Pre-requisites: None

Equipment Needed: Calculator
Folder/Hard covered exercise book

Achievement Standards (to be selected from)

Standard	Details	Credits
90930 Chem 1.1	Carry out a practical chemistry investigation, with direction	4 Internal
90935 Phys 1.1	Carry out a practical physics investigation that leads to a linear mathematical relationship, with direction	4 Internal
90944 Sci 1.5	Demonstrate understanding of aspects of acids and bases	4 External
90948 Sci 1.9	Demonstrate understanding of biological ideas relating to genetic variation	4 External
90955 Sci 1.16	Investigate an astronomical or Earth science event	4 Internal

Future Directions

Leads to Level 2 sciences such as Chemistry, Biology and Physics.



Biology

Level: 2 and 3

Equipment Needed: 2B8 lecture book for notes.

Information:

Recommended to have passed Sci 1.9 Demonstrate understanding of biological ideas relating to genetic variation at Level 1.

Achievement Standards – Level 2

Standard	Details	Credits
91154	Analyse the biological validity of information presented to the public	3 Internal
91155	Demonstrate understanding of adaptation of plants or animals to their way of life	3 Internal
91156	Demonstrate understanding of life processes at the cellular level	4 External
91157	Demonstrate understanding of genetic variation and change	4 External
91160	Investigate biological material at the microscopic level	3 Internal

Achievement Standards – Level 3

Standard	Details	Credits
91601	Carry out a practical investigation in a biological context, with guidance.	4 Internal
91602	Integrate biological knowledge to develop an informed response to a socio-scientific issue.	3 Internal
91605	Demonstrate understanding of evolutionary processes to leading to speciation.	4 External
91606	Demonstrate understanding of trends in human evolution.	4 External
91607	Demonstrate understanding of human manipulations of genetic transfer and its biological implications.	3 Internal

Future Directions

This course would be advantage to students wishing to continue into medicine, veterinary medicine, marine biology, nursing, horticulture, agriculture, entomology, zoology, environmental science, genetics or research science.

Senior Chemistry

Level: 2 and 3

Pre-requisites: 14 credits in Level 1 Science including Achievement Standard 90944

Equipment Needed: Scientific Calculator
Folder/Hard covered exercise book

Information:

Senior Chemistry will be composed of a selection of internal and external achievement standards chosen from the list below.

Achievement Standards – Level 2

Standard	Details	Credits
91910	Carry out a practical investigation into a substance present in a consumer product using quantitative analysis	4 Internal
91911	Carry out an investigation into chemical species present in a sample using qualitative analysis.	3 Internal
91163	Demonstrate understanding of the chemistry used in the development of a current technology	3 Internal
91164	Demonstrate understanding of bonding, structure, properties and energy changes	5 External
91165	Demonstrate understanding of the properties of selected organic compounds	4 External
91166	Demonstrate understanding of chemical reactivity	4 External
91167	Demonstrate understanding of oxidation-reduction	3 Internal

Achievement Standards – Level 3

Standard	Details	Credits
91387	Carry out an investigation in chemistry involving quantitative analysis	4 Internal
91388	Demonstrate understanding of spectroscopic data in chemistry	3 Internal
91389	Demonstrate understanding of chemical processes in the world around us	3 Internal
91390	Demonstrate understanding of thermochemical principles and the properties of particles and substances	5 External
91391	Demonstrate understanding of the properties of organic compounds	5 External
91392	Demonstrate understanding of equilibrium principles in aqueous systems	5 External
91393	Demonstrate understanding of oxidation-reduction processes	3 Internal

Future Directions

This challenging course leads on to Senior Chemistry or tertiary studies in Science and Agriculture. Tertiary studies could include the following fields: Agricultural Science, Chemical Engineer, Dentist, Doctor, Food Technologist, Geologist, Marine Scientist, Pharmacist, Physiotherapist, and Veterinarian.

Senior Physics

Level: NCEA 2 and 3

Pre-requisites: 14 credits in Level 1 Science and Achievement Standard 90940

Equipment Needed: Scientific Calculator, protractor
Folder/Hard covered exercise book

Information:

Senior Physics will be composed of a selection of internal and external achievement standards chosen from the list below. The standards chosen will be determined by the specific needs of the class.

Achievement Standards – Level 2

Standard	Details	Credits
91168 AS 2.1	Carry out a practical physics investigation that leads to a non-linear mathematical relationship	4 Internal
91170 AS 2.3	Demonstrate understanding of waves	3 External
91171 AS 2.4	Demonstrate understanding of mechanics	6 External
91172 AS 2.5	Demonstrate understanding of atomic and nuclear physics	3 Internal
91173 AS 2.6	Demonstrate understanding of electricity and electromagnetism	6 External

Achievement Standards – Level 3

Standard	Details	Credits
91521 AS 3.1	Carry out a practical investigation to test a physics theory relating two variables in a non-linear relationship	4 Internal
91523 AS 3.3	Demonstrate understanding of wave systems	3 External
91524 AS 3.4	Demonstrate understanding of mechanical systems	6 External
91525 AS 3.5	Demonstrate understanding of Modern Physics	3 Internal
91526 AS 3.6	Demonstrate understanding of electrical systems	6 External

Future Directions

This challenging course leads on to second year Senior Physics or Tertiary study.

Tertiary studies could include the following fields: Aeronautics, Astronomy, Building Scientist, Computer Systems Engineer, Software Engineer, Electronics, Geophysics, Mechanical Engineer, Meteorologist, Physiotherapy, Surveyor and Veterinarian.



Te Reo Māori

Level: Level 1 and 2 (Year 11 and 12)

Equipment Needed: Clear file, exercise book and/or refill for notes and written activities.

Information:

The course will see students increase both their vocabulary and grammar knowledge. In familiar contexts, they will be able to read, speak and write using Te Reo Māori. at Level 2, students will be able to initiate and sustain more extended conversations.

Achievement Standards – Level 1

Standard	Details	Credits
91086	Kōrero kia whakamahi i te reo o tōna ao	6 Internal
91087	Pānui kia mōhio ki te reo o tōna ao	6 Internal
91088	Tuhi i te reo o tōna ao	6 Internal
91089	Waihanga tuhinga i te reo o tōna ao	6 Internal

Achievement Standards – Level 2

Standard	Details	Credits
91085	Kōrero kia whakamahi i te reo o tea o torotoro	6 Internal
91286	Pānui kia mōhio ki te reo o tea o torotoro	6 Internal
91287	Tuhi i te reo o tea o torotoro	6 Internal
91288	Waihanga tuhinga auaha, i te reo o tea o torotoro	6 Internal



Visual Art - Toi Tu Waenga

Level: NCEA Level 1

Pre-requisites: None

Equipment Needed: A3 sketch book. A range of drawing pencils and an eraser. Water colour pencil set, set of 5 acrylic paint colours – black, white, red, blue and yellow.

Information:

Students will complete the prescribed course for National Certificate of Educational Achievement – Level 1. The course consists of a possible 5 Achievement Standards.

The focus of the year involves exploration into Māori and European art traditions and contexts, the development of drawing and observation skills, the making of artworks, and exploration into a variety of art media and techniques including painting, photography and printmaking.

Achievement Standards

Standard	Details	Credits
90913 AS 1.1	Demonstrate understanding of art works from Māori and other cultural contexts using art terminology	4 Internal
90914 AS 1.2	Use drawing methods and skills for recording information using wet and dry media	4 Internal
90915 AS 1.3	Use drawing conventions to develop work in more than one field of practice	6 Internal
90916 AS 1.4	Produce a body of work informed by established practice, which develops ideas, using a range of media	12 External
90917 AS 1.5	Produce a finished work that demonstrates skills appropriate to cultural conventions	4 Internal

NOTE* Student participation in 1.4 will be confirmed after discussion with student, HOD Visual Art and NZQA Principal's Nominee

Future Directions: *Employment Opportunities*

Students who study Art will find that it is a required, preferred or useful subject in any of the following occupations.

- Carver
- Clothing designer
- Jewellery designer
- Conservator (Art gallery)
- Display /window dresser
- Florist
- Illustrator
- Graphic designer
- Lighting technician
- Mural artist
- Industrial designer
- Architect
- Cartoonist
- Website developer
- Landscape design
- Photographer
- Computer graphic designer
- Hairdresser
- Art teacher
- Special effects – film
- Interior designer
- Body Artist
- Camera work – television, film
- Sign writing
- Animator
- Artist

Visual Arts – Toi Tu Waenga

Level: NCEA Level 2

Pre-requisites: To do Level 2 painting you should have achieved Level 1 painting preferably, NCEA Achievement Standard 1.4 Practical Art 12 credits

Equipment Needed: A3 sketchbook and miscellaneous item relevant to the individual course of study (laptop, camera – if students have access to these).

Information:

This course runs under the supervision of the Senior Art teacher, but maybe provided for by the Correspondence School according to numbers. Therefore, next year's programme includes achievement standards according to individual student needs and college course availability.

It is possible to study either photography or painting at Level 2 dependent on strengths or area of interest.

Achievement Standards

Standard	Details	Credits
91306 (painting) 2.1 91307 (photography)	Demonstrate an understanding of methods and ideas from established practice appropriate to painting or photography	4 Internal
91311 (painting) 2.2 91312 (photography)	Use drawing methods to apply knowledge of conventions appropriate to painting or photography	4 Internal
91316 (painting) 2.3 91317 (photography)	Develop ideas in a related series of drawings appropriate to establish painting or photography practice.	4 Internal
91321 (painting) 2.4 91322 (photography)	Produce a systematic body of work that shows understanding of art making conventions and ideas within painting or photography	12 External
91325 AS 2.5	Produce a resolved work that demonstrates control of skills appropriate to cultural conventions	4 Internal



Visual Arts – Toi Tu Waenga

Level: NCEA Level 3

Pre-requisites: You must have achieved at either Level 1 or Level 2 painting to undertake Level 3 painting.

Equipment Needed: A3 sketchbook and miscellaneous item relevant to the individual course of study (laptop, camera – if students have access to these).

Information:

This course runs under the supervision of the Senior Art teacher, but maybe provided for by the Correspondence School according to numbers. Therefore, next year's programme includes achievement standards according to individual student needs and college course availability.

Students usually focus on two areas of strength or interest e.g. painting or photography for the year. Level 3 photography is challenging, but with a strong work ethic it is possible to undertake without prior experience in art.

Achievement Standards

Standard	Details	Credits
91441(Painting) 3.1 91442(Photography)	Analyse methods and ideas from established painting or photography practice	4 Internal
91446(Painting) 3.2 91447(Photography)	Use drawing to demonstrate understanding of conventions appropriate to painting or photography	4 Internal
91451(Painting) 3.3 91452(Photography)	Systematically clarify ideas using drawing informed by established painting or photography practice	4 Internal
91456(Painting) 3.4 91457(Photography)	Produce a systematic body of work that integrates conventions and regenerates ideas within painting or photography practice	14 External
91460 3.5	Produces a resolved work that demonstrates purposeful control of skills appropriate to visual arts cultural contexts	4 Internal



My Choices