

MOUNT ALBERT GRAMMAR SCHOOL



SENIOR ACADEMIC GUIDE 2013



Key Dates

Thursday 2 August 2012 – 7.00 pm

Pasifika Careers and Pathways Evening (introducing Academic Guide) for Pasifika parents and students

Wednesday 8 August 2012 – 7.00 pm

Maori Pathways Evening (introducing Academic Guide) for Maori parents and students

Tuesday 21 August 2012 – 7.00 pm

Pathways Evening (introducing Academic Guide) for Year 10, 11, and 12 parents and students

Thursday 24 August 2012

Final day for all Year 10, 11, 12 students to return their course option form for 2013 to form teachers

THE MAGS WAY

Values:

- Respect oneself.
- Aim for excellence.
- Value education.
- Be honest.
- Respect others.
- Respect property and the environment.

Guiding Principles:

- The MAGS way encompasses all individuals in the school community.
- The MAGS way is to guide all daily relationships between staff and students.
- The MAGS way is based on respect for others and the dignity of the individual.
- All individuals in the school have both rights and responsibilities as part of the MAGS Way.

SCHOOL CONDUCT CODE

All students are expected to follow these rules:

- Each student should try to the best of his or her ability to do all the class work and homework that he or she is given.
- Students should follow all instructions that are given to them by a staff member or prefect.
- Each student should attend all his or her classes and should be on time for those classes.
- Every student should be dressed in the correct school uniform at all times.
- Every student has the right to be free from physical violence or verbal abuse from other students

A huge thank-you to Ces Pedersen for her work on this guide.

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MESSAGE FROM THE HEADMASTER

The academic life of any school is the main purpose of its being and, indeed, Mount Albert Grammar School prides itself on its academic tradition. Not only do our most able students perform at the highest level, our students perform well above expectations.

Our NCEA results for 2011 illustrate the ongoing improvement in our performance. At all levels, we have maintained a pass rate well above national averages and the averages of similar schools. Certificate endorsements also increased and are now well above both national averages and similar schools. This is pleasing and is testimony to both the hard work of the staff here at MAGS and the great effort made by our students.

An important part of progress through the school is appropriate course selection and I would like to congratulate all those staff who have been involved in the production of this guide. Parents and students alike have here a comprehensive and professionally presented document to assist in the selection of subjects. The information in the guide can, of course, be supplemented by personal contact with the people mentioned on page 5.

Take care with your choices. In particular consider carefully the prerequisites that are a requirement of some courses.

Success at school is the result of a partnership between the school and the home. It is very important not only that parents assist where possible with homework, but also that they take part in decision-making at times such as this.

I wish you all the best for this important step.

Dale Burden
Headmaster

INTRODUCTION

Our students and their parents/caregivers have to make very important decisions about which academic courses to study. MAGS is determined to make this decision-making process as informed as possible. This Academic Course booklet is designed to assist you in this process and be a key tool to providing you with the information you need.

This booklet covers all subjects offered to students from years 11 to 13. It allows you the opportunity to plan by following the pathway each subject takes through the year levels.

Subjects: From 2011 students study 6 subjects at Year 11 and Year 12. This will allow students to have more choice at Year 12 and keep their career options open.

Prerequisites: It is important to note that many subjects can only be taken if previous subject success has been achieved. There is a significant change of focus for students from Year 11 onwards. Students must gain entry to the next course. Entry into each course is determined by prerequisites which are unique to that course.

If the subjects chosen are seen as inappropriate or inaccessible for some students, deans will interview students to discuss the matter, and contact parents, if required (refer to prerequisites summary on pages 14-19). The Course Selection Process for next year is explained on pages 12 and

WHO TO SEEK ASSISTANCE FROM : KEY STAFF

Headmaster – Mr D Burden

Associate Principal – Mr P McKinley

Mr McKinley is in charge of the day-to-day operation of the school and responsible for **Junior Boys**.

Deputy Principal	Administration	Ms Y Williams
Deputy Principal	Year 12	Ms T Keenan
Deputy Principal	Year 11	Mr M Rivalland
Deputy Principal	Junior Girls	Ms J Williams
Deputy Principal	Staff Development	Mr J Pipe
Deputy Principal	Director of Boarding	Mr C Metcalfe
Assistant Principal	Year 13	Ms C Horne

The Deputy Principals will be able to give you help, advice and guidance during your time at Mount Albert Grammar School.

Director of International Students **Mr E Gray**
Mr Gray looks after overseas fee-paying students

Director of Sport **Mr D Long**
Mr Long is responsible for the coordination of all sports within the school

Director of E-learning **Mrs E Goddard**
Mrs Goddard is responsible for all the e-learning initiatives in the school

Director of Guidance **Mr P Ferner**
Mr Ferner is responsible for the pastoral side of the school

Guidance Counsellors **Mrs M Wilson**
Mrs M O'Carroll
If you have any personal problems, problems with other students or are concerned about anything going on at school, you can make an appointment at the Student Support Office to see one of the counsellors.

Pacific Island Liaison Officer **Mr A Taulapiu**
If you have any personal problems, problems with other students or are concerned about anything going on at school, you can make an appointment at the Student Support Office.

Careers Adviser **Mrs J Lawry**
The Careers Adviser can give you advice on the most suitable subjects to take for particular jobs or entrance requirements for tertiary study. The Careers Centre is near A2. You can book an appointment at any time.

Heads of Department

Art History	Mr J Pipe
Careers	Mrs J Lawry
Classical Studies	Mr G Cave
Commerce	Ms S Hayes
Dance	Ms J Cesan
Drama	Dr L McGregor
ESOL	Ms P Godber
English	Ms A Mason
Graphics and Technology	Mrs N Young
E-Learning and Library	Mrs E Goddard
Food Technology	Ms K Wainui
Health	Ms J Lythe
Languages	Ms H Selaries
Learning Support	Mrs P Drake
Mathematics	Mr A Sangster
Media Studies	Ms J Beck
Music	Mrs M Zjajic-Moon
Physical Education	Mr M Dempster
Science	Ms A Whitlam
Social Sciences	Mrs C Cato
Te Tari Maori	Mr R Korau
Visual Arts	Mrs D Aleh

Heads of Department will be able to give advice about what is involved in a course of study and how best to achieve positive results in that course.

Deans for 2012

Year 13	Mr G Cave
Year 13	Ms C Horne
Year 12	Mr A Simpson
Year 12	Ms N Phyn
Year 11	Mr M Wright
Year 11	Ms J Lythe
Year 10 Boys	Mr G Milne
Year 10 Girls	Ms H Sutcliffe
Year 9 Boys	Mr A Belson
Year 9 Girls	Mrs V Anisi
Academic Dean	Mr W Gibbs
International Dean	Mr I Cole

Deans will help with your course. See them if you have any problems with schoolwork or with other students.

NATIONAL CERTIFICATE OF EDUCATIONAL ACHIEVEMENT (NCEA)

How NCEA Works

New Zealand's qualification for school learners is the **National Certificate of Educational Achievement (NCEA)**.

NCEA is a qualification on New Zealand's Qualifications Framework (NQF).

It sits alongside more than 800 other national qualifications used throughout tertiary education and industry training.

- **NCEA is achievement based.** National standards have been set in each area of learning. When students achieve these standards they earn **credits** towards their NCEA qualification.
- The NQF contains two types of national standards: **Achievement Standards** and **Unit Standards**. Credits from all Achievement Standards and Unit Standards count towards NCEA.
- NCEA is a standards-based qualification. This means that standards of performance have been established for all work done by students that need to be assessed or tested.
- There are two types of assessment conditions:
 - **Internal Assessment**
 - **External Assessment**

Achievement Standard (AS)

Achievement Standards may be **internally** or **externally** assessed. External assessment is by NZQA (New Zealand Qualifications Authority) at the end of the school year. Internal assessment of Achievement Standards is done by subject teachers throughout the year. Some internal assessment occurs within school exams.

Achievement Standards are assessed as follows:

Achieved with Excellence	E
Achieved with Merit	M
Achieved	A
Not Achieved	N

Unit Standards (US)

- Unit Standards are all internally assessed and also earn credits on the National Qualifications Framework. Some Unit Standards are linked to tertiary or vocational industry-based courses.
- Unit Standards are assessed on the basis of meeting the required standard and therefore the result will be mostly shown as 'Achieved' or 'Not Achieved'.

All internal assessments (whether they are Achievement or Unit Standards) are **moderated** to ensure that the marking is accurate, consistent and fair.

How do students complete a qualification?

There are three levels to NCEA qualifications. The requirements for each level follow:

Level 1

80 credits from any level, including 10 literacy and 10 numeracy credits.

Level 2

80 credits total: including 60 credits from Level 2 or higher. Plus 20 credits from Level 1 or higher.

NB: There is no literacy or numeracy requirement to achieve Level 2 NCEA, however, there is a university entrance requirement in order to gain entry into many tertiary courses (see University Entrance criteria).

Level 3

80 credits total: including 60 credits from Level 3 or higher. Plus 20 credits from Level 2 or above.

NB: There is no literacy or numeracy requirement in order to achieve Level 3 NCEA.

Other NCEA Facts

Endorsement of Level Certificates

Students are able to gain NCEA certificates with **merit** or **excellence**. The more merit and excellence grades they achieve the better the endorsement. Students need at least 50 credits at merit or excellence to gain level endorsement.

Endorsement of Courses

Course endorsement will provide recognition for students who perform exceptionally well in individual courses. Students will be able to have their strengths in individual courses recognised with a course endorsement at **merit** or **excellence** level. The key objective of course endorsement is to motivate students to achieve their potential in one or more courses.

Students will gain an endorsement for a course where they achieve:

1. 14 or more credits at Merit or Excellence at the lower level that supports endorsement.
2. at least 3 credits from externally assessed standards and 3 credits from internally assessed standards,
3. sufficient credits in a single school year.

Note: Physical Education and Level 3 Visual Arts will be exempt from 2. above.

Quality of Credits is Important

Note: It is really worth striving to get Merit and Excellence grades to get extra recognition. Employers and tertiary institutions now consider how well you have achieved rather than just the number of credits gained.

Reporting Results

The **Record of Achievement** records only those standards that have been passed/achieved. This is issued in April. Students also receive a separate Results Notice in January, if they request this via their NZQA learner log-in.

School-leavers will also receive a **School Results Summary**, which will list every standard attempted by students during their time at school, and what result they achieved. This will include 'not achieved' results.

NZQA Learner Log-in

Once the school has sent your first lot of entry data to NZQA, you will be able to see these results by logging into your learner homepage on the NZQA website. Your NSN (National Student Number) will enable you access to this area. Here you will be able to check all entries (both internal and external) including internal results submitted to NZQA by the school, as well as access your external results in January of the following year. You are also able to order any documents, such as Certificates or Records of Achievement via this link.

ASSESSMENT INFORMATION

Most students in Years 11, 12 and 13 will be doing some school-based assessment as part of internal assessment for NCEA - Achievement Standards and/or Unit Standards

School-based assessment places special demands upon both staff and students and it is important that students are aware of their responsibilities under this system.

Students can expect from their subject teachers:

- A subject guide detailing the types and dates of assessments for each subject.
- An assessment guide that spells out the school-wide procedures for assessment.
- Notification in class of upcoming assessments. This notification should be given at least two weeks before an assessment occurs.
- Indicators from their teacher of how well they are proceeding when assessment occurs over a long period of time (eg several weeks). These are generally referred to as checkpoints.

Subject teachers can expect from their students:

- Work handed in on time.
- Work handed in late without reason will be awarded a **“not achieved”** grade. Most project-type assessments will be handed in on **Monday by 3:30pm**.
- If the deadline cannot be met, the student should see the Deputy Principal in charge of assessments (Ms Y Williams) **before** the due date. Evidence will need to be produced to show why the deadline was unable to be met, eg a medical certificate.
- The work handed in must be your own. You may be asked to produce **evidence that it is authentic**.

Missed Assessments:

- If an assessment is missed see the Deputy Principal in charge of Assessments (Ms Y Williams) **as soon as possible**.
- Written evidence must be produced to support your absence. A note from your parents is **NOT** good enough. You will need a **medical certificate** for any illness or injury.
- If a unit standard or achievement standard assessment is missed you may be unable to get credit even if you have a good reason.

Appeals:

- If you believe you have been treated unfairly, discuss your concerns with the subject teacher first.
- If you are still concerned, talk to the relevant Head of Faculty.
- If you still believe you have been treated unfairly, then see the Deputy Principal in charge of assessments (Ms Y Williams). You must have first discussed your concerns with your teacher and the Head of Department.

LEVEL 1 LITERACY AND NUMERACY STANDARDS

From 2011 the literacy and numeracy requirements for Level One NCEA increased from 8 to 10 credits.

Students can meet the new requirements in one of two ways (but, cannot be a mixture of both ways):

Either

- Through the new achievement standards – see table below

Or

- Through the new functional unit standards.

A student's report will indicate how they achieved their literacy and numeracy requirement, whether through unit standards or achievement standards.

Literacy is defined as “the written and oral language people use in their everyday life 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.”

Numeracy has been defined as “the bridge between mathematics and daily life. It includes the knowledge and skills needed to apply to everyday family and financial matters, work and community tasks.”

Literacy and Numeracy Achievement Standards:

It has now been recognised that English, Te Reo Maori and Mathematics are not the only subjects where a student can prove they are literate and numerate. New achievement standards which will meet the requirements are in the following subjects. Note that the new achievement standards are assessed against Level 6 of the New Zealand Curriculum.

Subject	Literacy	Numeracy
Accounting	Yes	
Horticultural Science	Yes	Yes
Biology	Yes	
Business	Yes	Yes
Chemistry	Yes	Yes
Dance	Yes	
Drama	Yes	
Economics	Yes	
English	Yes	
Geography	Yes	Yes
Health	Yes	
History	Yes	
Mathematics		Yes
Music	Yes	Yes
Physical Education Performance	Yes	
Physics	Yes	Yes
Science	Yes	Yes
Te Reo Maori	Yes	Yes
Visual Arts	Yes	

The individual standards within these subjects are clearly labelled ‘L’ for literacy and ‘N’ for numeracy next to the Standard Number under each course.

UNIVERSITY ENTRANCE LITERACY STANDARDS

For University Entrance, the requirement is: 4 credits from the English Reading standards and 4 credits from the English Writing standards or from Te Reo Rangatira listed on this page and page 10.

Standards	Level		Credits	Reading	Writing
Scholarship	4			Y	Y
Achievement standards					
90720	3	Produce an extended piece of writing in a selected style	4		Y
90721	3	Respond critically to written text(s) studied	3	Y	Y
90722	3	Respond critically to Shakespearean drama studied	3	Y	Y
90723	3	Respond critically to oral or visual text studied	3	Y	Y
90724	3	Respond critically to unfamiliar prose and poetry texts	3		Y
90726	3	Complete independent research on a language or literature topic and present findings in written form	4	Y	Y
90375	2	Produce crafted and developed creative writing	3		Y
90376	2	Produce crafted and developed formal transactional writing	3		Y
90377	2	Analyse extended written text(s)	3	Y	Y
90378	2	Analyse short written texts	3	Y	Y
90379	2	Analyse a visual or oral text	3	Y	Y
90380	2	Read unfamiliar texts and analyse the ideas and language features	3	Y	
90381	2	Investigate a language or literature topic and present information in written form	3	Y	Y
91098	2	Analyse specified aspects of studied written texts, with supporting evidence (2.1)	4	Y	Y
91099	2	Analyse specified aspects of studied visual or oral texts, with supporting evidence (2.2)	4	Y	Y
91100	2	Analyse significant aspects of unfamiliar texts through close reading with supporting evidence (2.3)	4	Y	Y
91101	2	Produce a selection of crafted and controlled writing (2.4)	6		Y
91104	2	Analyse significant connections across texts, supported by evidence (2.7)	4		Y
91105	2	Use information literacy skills to form developed conclusion(s) (2.8)	4	Y	
91106	2	Form developed personal responses to independently read texts, supported by evidence (2.9)	4	Y	
Unit standards					
8834	3	Investigate a theme across a range of selected texts and evaluate the outcomes of the investigation	6	Y	
8823	2	Investigate a theme across an inclusive range of selected texts	4	Y	
8841	4	Produce results of literary research in an extended essay to publication standard	6		Y
8842	4	Produce sustained poetic writing in a range of complex forms to publication standard	6		Y
8835	3	Produce sustained transactional writing in a range of complex forms	6		Y
8825	2	Produce transactional written text in complex forms	5		Y
12427	3	Read closely and evaluate the effectiveness of poetic written texts	4	Y	
12428	3	Read closely and evaluate the effectiveness of transactional written texts	4	Y	
12430	3	Read closely and evaluate the effectiveness of poetic oral texts	3	Y	
12429	3	Read closely and evaluate the effectiveness of transactional oral texts	3	Y	
12905	2	Read an inclusive variety of written texts and record the reading experience	4	Y	
12419	2	Read poetic written text closely	4	Y	
12420	2	Read transactional written text closely	4	Y	
12422	2	Read poetic oral text closely	3	Y	
12421	2	Read transactional oral text closely	3	Y	

Y = the standard is recognised for reading and/or writing credits.

Note: 1. 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.

Note: 2. Waikato Certificate of Studies, English:

- Certificate of Studies (CS) 2.1 and 3.1 can count for the university entrance
- Writing requirement. Certificate of Studies (CS) 2.2 or 2.2 (i) and 3.2 can count for the Reading requirement.

UNIVERSITY ENTRANCE LITERACY STANDARDS IN TE REO MAORI AND TE REO RANGATIRA

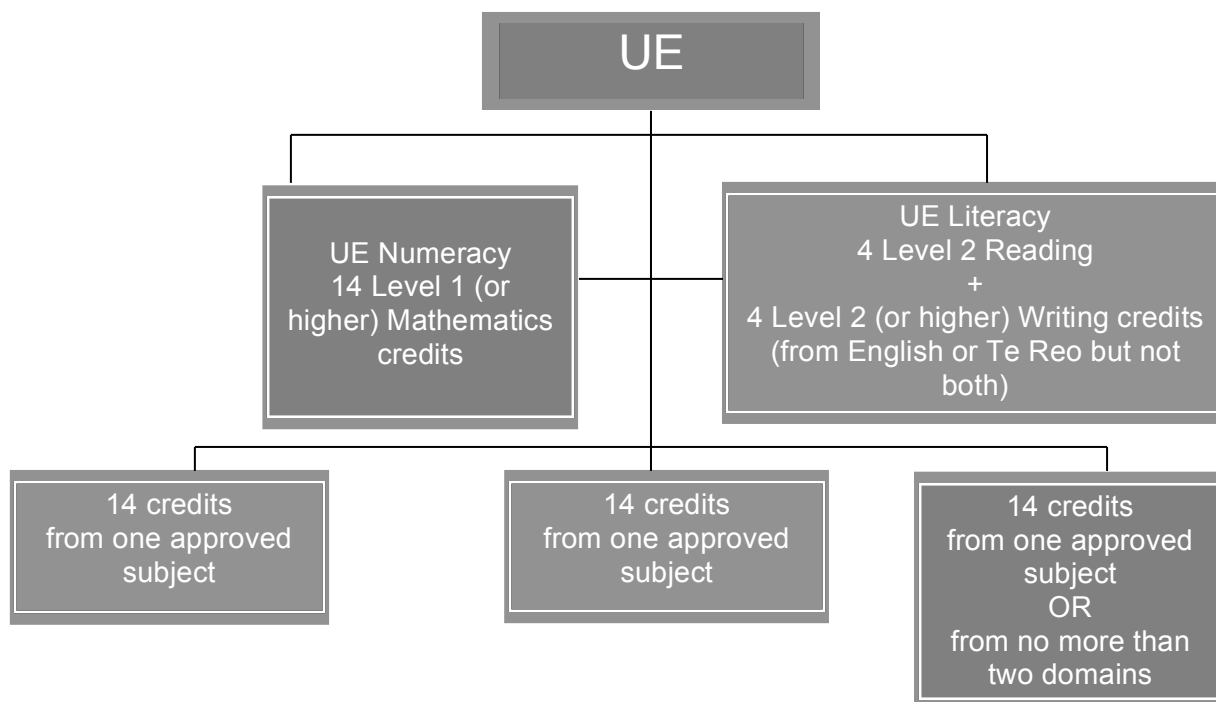
Standards	LEVEL		Credits	Reading	Writing
	4	Scholarship		Y	Y
90441	2	Panui i te reo o tona ao mohio	6	Y	
90752	2	Panui i te reo tawhito	3	Y	
90753	2	Panui i te reo hou	3	Y	
7266 v7	2	Panui i nga tuhinga korero mo tetahi atu	6	Y	
7266 v6	2	Panui rarangi tuhinga mo nga take o te wa	5	Y	
90781	3	Panui kia whai maramatanga i te reo o te ao whanui	3	Y	
90784	3	Panui kia wetewete i te reo o te ao whanui	3	Y	
90786	3	Panui i te tuhinga roa	3	Y	
90789	3	Panui i nga tuhinga popoto	3	Y	
7267 v8	3	Panui i nga purongo korero mo te tangata me tona taiao	7	Y	
7267 v7	3	Tatari haere i nga kupu tauhou o tetahi tuhinga	7	Y	
7268 v8	4	Panui i nga whakapuakinga korero o ia ra, o ia ra	10	Y	
7268 v7	4	Panui i nga tuhituhi ahakoa te kaupapa	9	Y	
90754	2	Whakaputa i te tuhinga	4		Y
90755	2	Titotito i te korero whakangahau	3		Y
90770	2	Tuhituhi i te reo o tona ao mohio	4		Y
90757	2	Hanga Tuhinga i te reo o tona ao mohio	4		Y
7258 v7	2	Tuhituhi korero mona ake me ana mahi	6		Y
7258 v6	2	Tito korero poto mo nga take mai i nga korero	5		Y
90782	3	Whakaoti tuhituhi okawa i te reo o te ao whanui	4		Y
90783	3	Hanga tuhinga auaha i te reo o te ao whanui	4		Y
90787	3	Whakaputa i te tuhinga roa	3		Y
7259 v8	3	Tuhituhi korero mo tetahi tangata me tona taiao	7		Y
7259 v7	3	Tuhi korero kia hangai ki tetahi kaupapa	7		Y
7260 v8	4	Tuhituhi korero mo tona ao o ia ra, o ia ra	10		Y
7260 v7	4	Tuhi i nga momo korero whai kiko	9		Y
90790	3	Tuhituhi whakaaro e hangai ana ki te kaupapa	3		Y

NOTE: The following standards, now expired, will continue to be recognised as meeting the literacy requirements for learners who have them in their Record of Achievement.

Level 2: 90444; 90445; 90448

Level 3: 90544; 90538; 90545; 905

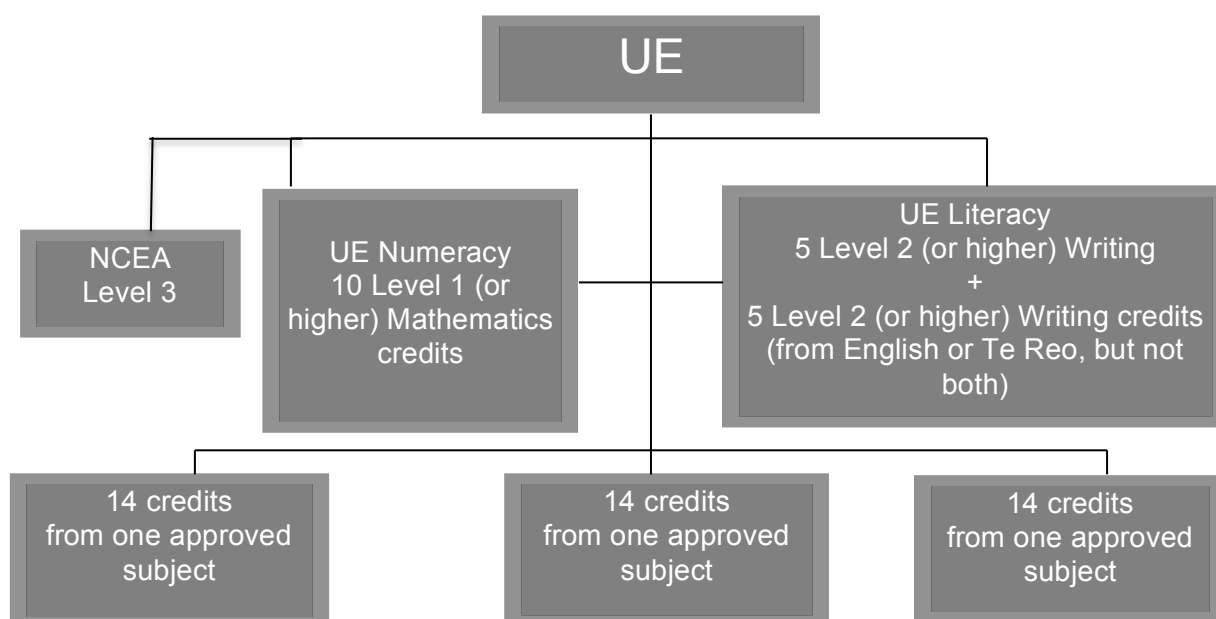
UNIVERSITY ENTRANCE



Note: In addition to achieving university entrance, different universities may require further criteria to be met. This information is available in university prospectuses or on the net.

NB: The University Entrance criteria changes from 2014 for entry into University in 2015 (see criteria below).

UNIVERSITY ENTRANCE 2015



REQUIREMENTS FOR NCEA CERTIFICATES

Level 1 – 80 credits at any level, including literacy and numeracy requirements
Level 2 – 80 credits – a minimum of 60 of them at level 2 or above
Level 3 – 80 credits – a minimum of 60 of them at level 3 or above and 20 credits from level 2 or above

UNIVERSITY APPROVED SUBJECTS

Credits in these courses will count towards University Entrance

Accounting	English	Media Studies
Art History	French	Music
Biology	Geography	Painting
Business	German	Photography
Chemistry	Graphics	Physical Education
Chinese	Health	Physics
Classical Studies	History	Science
Dance	Horticulture	Technology
Design	Japanese	Te Reo Maori
Drama	Mathematics with Calculus	
Economics	Statistics and Modelling	

COURSE SELECTION PROCESS

Important Information for 2013 Course Selection

Make sure you choose your courses carefully. Your choice of courses will determine the way the timetable is structured and what teachers the school employs. You may not be able to change courses later especially if those courses are full. When choosing courses think of the following:

- ❖ Choose courses you enjoy.
- ❖ Choose courses in which you think you will do well.
- ❖ Choose courses that are important in relation to career areas that interest you.
- ❖ Choose courses that ensure you meet university or other course entry criteria.
- ❖ Make sure you discuss your choices with your parents/guardians as they will need to sign your option form.

Key dates:

Thursday 2 August 2012 – 5.30 - 8.00 pm
Pasifika Careers and Pathways Evening (introducing Academic Guide) for Pasifika Parents and students

Wednesday 8 August 2012 – 7.00 pm
Maori Pathways Evening (introducing Academic Guide) for Maori Parents and students

Tuesday 21 August 2012 – 7.00 pm
Pathways Evening (introducing Academic Guide) for Years 10, 11 and 12 parents and students

Friday 24 August 2012
Final day for all Year 10, 11, 12 students to return their course option form for 2013 to form teachers

Note: All NCEA Level 3 courses will include the achievement standard details when the course outlines are distributed at the beginning of 2013. They will be finalised by the Ministry of Education in December 2012.

COURSE CODES

The Academic Guide has used codes to describe courses that are offered, eg English (EN1), Mathematics (MT1).

The key to the codes is as follows:

S = Scholarship

A = Accelerate course

E = Enriched course

1 = A course with internally and externally assessed achievement standards between 19-24 credits **Endorseable**

2 = A course with fewer internally and externally assessed achievement standards (between 14 – 18 credits) **Endorseable**

3 = An internally assessed course with mainly achievement standards **Not Endorseable**

4 = A course with Unit Standards **Not Endorseable**

L = An ESOL course for speakers of English as an other language

GPA's

Grade Point Averages (GPAs) are constructed by totalling academic marks from common assessment tasks and converting them into a percentage.

COURSE SELECTION – YEARS 11, 12, 13

YEAR 11

In Year 11 all students will be studying **six** courses. Each subject will offer between 18 and 21 credits. Most students will be studying at Level 1 of the National Qualifications Framework. Many courses will have an exam at the end of the year. Some courses have an internal assessment component where the school assesses the students' work. A few courses (e.g. Building Skills and Mechanical Engineering courses) are entirely internally assessed.

All students must study English and Mathematics. Science is highly recommended and students are encouraged to study at least one Science subject. Students considering their course for Year 11 should think ahead to their courses in Years 12 and 13 so that they keep their course options open. It is better to have a broad range of courses rather than to specialise too early. Look carefully at the subject flowchart (refer pages 20, 21, 22) and the requirements for tertiary study (refer page 11).

YEAR 12

In Year 12 students choose **six** courses. Each subject will offer between 18 and 21 credits. Every student must study an English course. Some students in Year 12 will be involved in multi-level study. Entry into a Year 12 course is ultimately at the discretion of the Headmaster.

Some courses also enable students to attain certificates useful for certain vocational areas. Students are advised to carefully consider their selections to ensure that they have included pathways to Year 13 courses in their choice. Look carefully at the subject flowchart (refer pages 20, 21, 22) and the requirements for tertiary study (refer page 11).

YEAR 13

At Year 13 all students choose **five** courses. Each subject will offer between 21 and 24 credits. Some students in Year 13 will be involved in multi-level study. Entry into a Year 13 course is at the discretion of the Headmaster. Most year 13 students will be working at Level 3 of the National Qualifications Framework. Some courses also enable students to attain certificates useful for certain vocational areas. Students who are considering university study should take five Level 3 NCEA courses. Look carefully at the subject flowchart (refer pages 20, 21, 22).

Most Year 13 courses have internally assessed standards and an end of year exam. Many courses have an internally assessed part where the school assesses the students' work. A few courses (eg Physical Education) are entirely internally assessed.

Note:

Students wishing to study at a university in the future must ensure their programme of study enables them to meet the stated entry criteria. Students taking alternative courses may not be able to meet these entry criteria (ie courses not on the University Approved Subject List see page 11).

THE SCHOLARSHIP AWARD

Academic Institute students will be strongly encouraged to enter Scholarship subjects.

How Scholarship works

Scholarship is an external examination for the very top secondary students. Candidates usually enter in Year 13, which is their last year of schooling. Scholarship examines course material related to level 3 standards derived from up to level 8 of the New Zealand Curriculum that students study in year 13, however, the skills and understanding required to meet Scholarship criteria are considerably more advanced. Scholarship requires students to demonstrate high-level critical thinking.

- Scholarship requires high-level abstract thinking and the application of knowledge and ideas to complex situations.
- It is for the most able students in each of the Scholarship subjects.
- The intention is that 3% nationally of the total number of Year 13 level 3 students in each subject studying for 14 credits or more will get Scholarship, as long as Scholarship standards are met.
- Scholarship results will be released in February.
- Scholarship is not a qualification, but rather a monetary award. Students receive payments ranging from \$500 (for a single subject scholarship) to \$30,000 paid over 3 years for a Premier Award.
- If you think you have the ability to sit scholarship in one or more subjects, you should discuss the requirements with your teachers

NCEA RANKING FOR ENTRY TO THE UNIVERSITY OF AUCKLAND

For admission to the University of Auckland, all applicants must attain the minimum entry standard. Selection into a particular course is based on the quality of your results – you will be given a 'ranking'.

As applicants will be ranked according to their best 80 credits at Level 3 or higher over a maximum of 5 university approved subjects (see page 11) and a maximum of 24 credits per subject. The credits are weighted by the level of achievement attained.

- Any credits at Excellence will be multiplied by 4
- Any credits at Merit will be multiplied by 3
- Credits at Achieved will be multiplied by 2

Level 3 credits may be gained in no more than two consecutive years, but in exceptional circumstances credits gained over more than two consecutive years will be considered.

International students will be ranked separately and will need to obtain higher levels than those listed.

As an example:

- Students with 80 credits at Excellence would have a rank score of 320
- Students with 80 credits at Merit would have a rank score of 240
- Students with 80 credits at Achieved would have a rank score of 160

For a place at the University of Auckland currently, students generally need a rank score of 120 – 320 based on a mixture of credits. **However, please note that entry requirements to universities in New Zealand are currently under review.**

ENTRY REQUIREMENTS TO THE UNIVERSITY OF AUCKLAND

For University Programmes that refer to Table A and/or Table B, use this table

Table A	Table B
Classical Studies	Accounting
English	Biology
Geography	Chemistry
History	Economics
History of Art	Mathematics with Calculus
Te Reo Maori or Te Reo Rangatira	Mathematics with Statistics and Modelling
	Physics

- Please note: Entry requirements to universities in New Zealand are currently under review. Guaranteed entry scores for 2013 will be published later in 2013

PREREQUISITES TO ENTER YEAR 11

GPA = Grade Point Average – This will be calculated from assessments and exams during the year

NB The abbreviation SEAS refers to the 'School Equivalent of Achievement Standard'

SUBJECT	CODE	PREREQUISITE
Accounting	11AC1	A GPA of at least 50 in Year 10 Business (10BU1) or Year 10 Accounting and Economics (10AE1) OR a GPA of at least 50 in Year 10 English (10EN1) and at least 50% in Year 10 Mathematics (10MT1) end of year exam OR Head of Department approval
Agricultural Science	11AG4	A GPA of at least 50 in Year 10 Agricultural Science (10AG1) OR a GPA of at least 45 in Year 10 Science (10SI1) and Year 10 English (10EN1) OR Head of Department approval Students must be able to demonstrate the ability to listen and follow instructions for the safety of all students, staff and visitors. Places are limited. Meeting the prerequisite does not guarantee a place on the course
ASDAN	11AS4	Nil
Biology	11BI1	Merit in Year 10 Biology and achieved in all other science units in the end of year examinations
Biology Enriched	11BIE	Excellence in Year 10 Biology, merit in Chemistry and achieved in all other science units in the end of year examinations OR Head of Department approval
Building Skills	11BS4	Nil Preference will be given to students who have taken either Technology or Graphics in Year 10
Business	11BU1	A GPA of at least 50 in Year 10 Business (10BU1) or Year 10 Accounting and Economics (10AE1) OR a GPA of at least 50 in Year 10 English (10EN1) and at least 50% in Year 10 Mathematics (10MT1) end of year exam OR Head of Department approval
Chemistry	11CM1	At least merit in Chemistry at Year 10 and achieved in all other Science topics in the end of year examinations OR Head of Department approval
Chemistry Enriched	11CME	Excellence in Chemistry at year 10, merit in all other Science topics OR Head of Department approval
Chinese	11CH1	A GPA of at least 50 in Year 10 Chinese (10CH1) OR Teacher in Charge approval
Commerce Studies	11CO3	Nil
Dance	11DN1	A GPA of at least 50 in Year 10 Dance (10DN1) OR Head of Department Approval <i>For students who did not study Dance in Year 10, selection through application and interview with Head of Department</i>
Design for Print	11PH1	Entrance is merit based ie students with higher grades have preference OR Head of Department Approval with portfolio submitted before week 10 of term 3 All units passed in Year 10 Art with achieved or better in AS90018
Drama	11DR1	A GPA of at least 50 in Year 10 Drama (10DR1) <i>For students who did not study Drama in Year 10, selection through application and interview with Head of Department</i>
Economics	11EC1	A GPA of at least 50 in Year 10 Business (10BU1) or Year 10 Accounting and Economics (10AE1) OR a GPA of at least 50 in Year 10 English (10EN1) and at least 50% in Year 10 Mathematics (10MT1) end of year exam OR Head of Department approval
English 1	11EN1	A GPA between 50 and 79 in Year 10 English (10EN1)
English 2	11EN2	A GPA less than 50 in Year 10 English (10EN1)
English Enriched	11ENE	A GPA of at least 80 in Year 10 English (10EN1)
English International	11EI4	Head of Department approval
ESOL	11ES4	Head of Department approval
Food & Hospitality	11FH4	A GPA of at least 50 in Year 10 English (10EN1) OR Head of Department approval
French	11FR1	A GPA of at least 50 in Year 10 French (10FR1) OR Teacher in Charge approval
Geography	11GE1	A GPA of at least 50 in the core Year 10 Social Studies course (10SS1) OR Head of Department approval
German	11GM1	A GPA of at least 50 in Year 10 German (10GM1) OR Teacher in Charge approval
Graphics (DVC) Design & Visual Communication	11GR1	Completion of Year 10 Graphics (10GR1) OR Head of Department Approval
Health	11HE1	Satisfactory completion of Year 10 Physical Education (10PE1) and a GPA of 50 in Year 10 English / 80 End of Year English points OR Head of Department approval

History	11HI1	A GPA of at least 60 in the core Social Studies course (10SS1) OR Head of Department approval
Horticulture Academy	11HR4	HOD interview
Japanese	11JP1	A GPA of at least 50 in Year 10 Japanese (10JP1) OR Teacher in Charge approval
Learning Support	11LS4	Nil
Mathematics 1	11MT1	At least 60% in Year 10 Mathematics end of year exam plus an achieved in AS91026 (Number), AS91030 (Measurement) and AS91035 (Multivariate Data) OR Head of Department approval
Mathematics 2	11MT2	At least 40% in Year 10 Mathematics end of year exam and achieved in AS91026 (Number), AS91030 (Measurement) and AS91035 (Multivariate Data) OR Head of Department approval
Mathematics 3	11MT3	Nil
Mathematics 4	11MT4	Nil
Mechanical Engineering	11ME4	Nil Preference will be given to students who have taken either Technology or Graphics in Year 10
Music	11MU1	A GPA of at least 50 in Year 10 Music (10MU1) OR Head of Department approval. (A musical background in both performance and theory will have to be demonstrated.)
Painting	11PN1	All units passed in Year 10 Art with achieved or better
PE Lifestyles	11PL2	Students apply to the Head of Department for admission. The HOD's decision will depend on the student's punctuality to lessons, attitude during lessons, having the correct gear for lessons and demonstrated willingness to learn and extend themselves in Year 10 Physical Education (10PE1) NB: Students cannot take both PE Performance and PE Lifestyles
PE Performance Outdoor Education	11PO1	Students apply to the Head of Department for admission. The HOD's decision will depend on the student's punctuality to lessons, attitude during lessons, having the correct gear for lessons and demonstrated willingness to learn and extend themselves in Year 10 Physical Education (10PE1).
PE Performance	11PF1	Students apply to the Head of Department for admission. The HOD's decision will depend on the student's punctuality to lessons, attitude during lessons, having the correct gear for lessons and demonstrated willingness to learn and extend themselves in Year 10 Physical Education (10PE1).
Physics	11PY1	At least merit in physics, achieved in other science topics, achieved in algebra maths units in the end of year examinations OR Head of Department approval
Physics Enriched	11PYE	Excellence in the year 10 Physics and Chemistry units, achieved in all other Science units and excellence in Maths AS91029 and AS91027 in the end of year examinations OR Head of Department approval
Science	11SI1	At least three achieved grades from the three science areas (Biology, Chemistry and Physics) at Year 10 in the end of year examinations OR Head of Department approval
Science Applied	11SI3	At least achieved in two of the three science areas (Biology, Chemistry and Physics) at Year 10 in the end of year examinations OR Head of Department approval
Social Science Studies	11SS3	Nil For students who do not qualify for NCEA Level Achievement Standard courses in History or Geography OR Head of Department approval
Te Reo Maori	11RM1	A GPA of at least 60 in Year 10 Te Reo Maori (10RM1)
Te Reo Rangatira	11RR1	At least 18 credits in Level 3 Te Reo Maori (13RM1), including one external standard, OR Head of Department approval.
Te Waharoa Maori Performing Arts	11MP4	A GPA of at least 50 in Te Reo Maori (10RMI) OR Head of Department approval
Technology Hard Materials	11TH1	A GPA of at least 60 in Year 10 Technology (10TC1)
Technology Mixed Materials	11TM1	A GPA of at least 60 in Year 10 Technology (10TC1)

PREREQUISITES TO ENTER YEAR 12

SUBJECT	CODE	PREREQUISITE
Accounting 1	12AC1	At least 15 credits in Level 1 Accounting (11AC1) including achieved or better in AS90977 and AS90978 OR Head of Department approval and with the completion of a home study catch-up course
Accounting 2	12AC2	Nil
Agricultural Science	12AG4	<i>Students must have studied Level 1 Agricultural Science (11AG4)</i> At least 16 unit standard credits achieved in 11 Agricultural Science (11AG4) OR Head of Department approval
Art History	12AH1	At least 4 externally assessed Achievement Standard credits and at least 7 more Achievement Standard credits in Level 1 English (11EN1) or History, totalling 11 credits
ASDAN	12AS4	Nil
Aspire	12AP4	For students who have yet to achieved NCEA Level 1
Biology	12BI1	A GPA of at least 50 in Year 11 Biology (11BI1)
Biology 2	12BI2	A GPA of at least 40 in Year 11 Science (11SC1) or Biology (11BI1)
Biology Enriched	12BIE	A GPA of at least 60 in Year 11 Biology (11BIA)
Building Skills	12BS4	At least 19 credits in Level 1 Building Skills. <i>This course is a progression from Level 1 for students pursuing a career in the furniture making or building industry</i>
Business	12BU1	At least 14 credits in Level 1 Business (11BU1) including achieved or better in AS90842 OR at least 14 credits in Level 1 Economics (11EC1) or Level 1 Accounting (11AC1) OR Head of Department approval
Commerce Studies	12CO4	At least 60 Level 1 credits including Level 1 Literacy and Level 1 Numeracy OR Head of Department approval
Calculus	12MC1	At least merit in AS91027 (Algebra) and AS91028 (Graphs) and AS91031 (Geometric Reasoning) OR Head of Department approval
Chemistry	12CM1	At least merit in Chemistry at Year 10 and achieved in all other Science topics OR Head of Department approval
Chemistry 2	12CM2	A GPA of at least 30 in Year 11 Science or Chemistry 1 (11CM1) OR Head of Department approval
Chemistry Enriched	12CME	A GPA of at least 60 in Year 11 Chemistry (11CMA)
Chinese	12CH1	At least 15 credits in Level 1 Chinese (11CH1) OR Teacher in Charge approval
Classical Studies	12CS1	At least 12 Achievement Standard credits in Level 1 English (11EN1 or 11EN2) OR Head of Department approval
Dance	12DN1	At least 14 credits in Level 1 Dance (11DN1), 4 of which must be from an external standard OR Head of Department approval
Design	12DS1	At least 18 credits in Level 1 Painting (11PN1) or Level 1 Design for Print (11PH1), OR Head of Department approval
Drama	12DR1	At least 12 credits in Level 1 Drama (11DR1) OR Head of Department approval
Economics 1	12EC1	At least 12 credits in Level 1 Economics (11EC1) OR Head of Department approval and with the completion of a home study catch-up course
Economics 2	12EC2	Nil
Electronics	12EL4	At least 10 credits in Level 1 Science (11SI1), with achieved or better in AS90940 OR at least 9 credits in Level 1 Physics (11PY1), with achieved or better in AS90937 OR Head of Department approval <i>Open to Year 12 and 13 students only</i>
English Enriched	12ENE	At least 17 credits in Level 1 English of which 8 credits are from Level 1 externally assessed English standards at merit or excellence
English 1	12EN1	At least 12 credits in Level 1 English (11EN1) with at least 4 credits from externally assessed achievement standards OR Head of Faculty Approval
English 3	12EN3	Less than 10 L1 English credits from English Department achievement standards OR HOF discretionary placement
English International	12EI3	Head of Department approval
ESOL	12ES4	Head of Department approval
Food & Hospitality	12FH4	At least 11 credits in Level 1 Food and Hospitality (11FH4)
French	12FR1	At least 15 credits in Level 1 French (11FR1) OR Teacher in Charge approval
Gateway	12GW4	Achieved Level 1 NCEA - <i>Selection through application and interview with Head of Department</i>
Geography	12GE1	At least 16 credits in Level 1 Geography (11GE1) including achieved or better in two externally assessed standards. OR if Geography has not been studied before: at least 16 credits in Level 1 English (11EN1) OR Head of Department approval
German	12GM1	At least 15 credits in Level 1 German (11GM1) OR Teacher in Charge approval
Graphics (DVC)	12GR1	At least 16 credits in Level 1 Graphics (11GR1)

Health	12HE1	At least 15 credits in Level 1 Health (11HE1), Achieved or better in AS90975 external OR Head of Department approval
History	12HI1	At least 16 credits in Level 1 History (11HI1) and achieved or better in AS91005 OR at least 16 credits in Level 1 Geography (11GE1) OR Head of Department approval
Horticultural Science	12HR1	A GPA of at least 30 in Level 1 Horticulture (11HR1) A GPA of at least 30 in Level 1 Biology (11BI1) including AS90167 OR Head of Department approval
Japanese	12JP1	At least 15 credits in Level 1 Japanese (11JP1) OR Teacher in Charge approval
Learning Support	12LS4	Nil
Mathematics 1	12MT1	At least merit in AS91027 (Algebra), AS91028 (Graphs), AS91031 (Geometric Reasoning) and AS91037 (Chance and Data) OR Head of Department approval
Mathematics 3	12MT4	Students who took 11MT3: at least 20 credits in Level 1 Mathematics (11MT3) and achieved in US5238, US5239, US20659, US5240 OR for students who took 11MT2: achieved in AS91027 (Algebra), AS91032 (Right-angled Triangles), AS91036 (Bivariate Data) and AS91037 (Chance and Data) OR Head of Department approval
Mechanical Engineering	12ME4	Completed Level 1 Mechanical Engineering (11ME4) OR completed Level 1 Technology (11TC1)
Media Studies	12MD1	At least 14 credits in Level 1 English (11EN1) which includes 4 credits from externally assessed standards
Music	12MU1	At least 16 credits in Level 1 Music (11MU1) OR Head of Department approval (Evidence of a musical background in both performance and theory will have to be shown). Students must continue to have lessons on their major instrument and be part of a school music group approved by the Head of Music
Outdoor Education	12OE3	At least a GPA of 60 in Year 10 Outdoor Education (10OE1) and paid 10OE1 subject fee in full OR Head of Department approval
Painting	12PN1	At least 18 credits in Level 1 Painting (11PN1) or Level 1 Design for Print (11PH1), OR Head of Department approval (with portfolio) submitted before end of term 3
PE Performance	12PF1	At least 16 credits in Level 1 Physical Education Performance (11PF1) including achieved or better in AS90963 OR Head of Department approval
Photography	12PH1	At least 16 credits in Level 1 Painting (11PN1) or Level 1 Design for Print (11PH1) OR Head of Department approval with portfolio submitted before week 10 of term 3
Physics	12PY1	A GPA of at least 24 in Level 1 Physics (11PY1) gained from external standards. OR Head of Department approval Open to Year 12 and 13 students only
Physics Enriched	12PYE	Students must have completed the Year 11 Physics Accelerate (11PYA -2012) course A GPA of at least 40 in Level 1 Physics (11PYA-2012) gained from external standards. AND Head of Department approval
Practical Horticulture	12PR4	A GPA of at least 24 in any Level 1 Science course plus Level 1 literacy OR Head of Department approval
Science	12SI1	A GPA of at least 24 in any Level 1 Science course plus Level 1 numeracy OR Head of Department approval - Open to Year 12 and Year 13 students only
Social Science Studies	12SS3	For students who do not qualify for entry into L2 Geography or L2 History AND have at least 12 credits from 11SS3 OR at least 8 credits from L1 History (11HI1), OR Geography(11GE1) OR English (11EN1/2) AND Head of Faculty approval
Sports Leadership	12SL4	At least 10 credits in any Level 1 Physical Education course OR Head of Department approval
Statistics	12MS1	Students who took 11MT1: at least achieved in AS91027 (Algebra), AS91028 (Graphs), AS91031 (Geometric Reasoning) and AS91037 (Chance Data) OR students who took 11 MT2: at least achieved in AS91027 (Algebra), AS91029 (Linear Algebra), AS91036 (Bivariate Data) and AS91037 (Chance and Data) OR Head of Department approval
Te Reo Maori	12RM1	At least 18 credits in Level 1 Te Reo Maori (11RM1) including one external standard OR Head of Department approval
Te Reo Rangatira	12RR1	At least 18 credits in Level 1 Te Reo Rangatira (11RR1), including two external standard OR Head of Department approval
Te Waharoa Maori Performing Arts	12MP4	Nil Desirable that students be studying Te Reo Maori or participating in Kapa Haka
Technology Hard Materials	12TH1	At least 16 credits in Level 1 Technology Mixed or Hard Materials (11TM1), (11TH1) OR Head of Department approval
Technology Mixed Materials	12TM1	Completed Level 1 Graphics (11GR1) or Level 1 Technology Mixed or Hard Materials (11TM1), (11TH1) OR Head of Department approval
Travel and Tourism	12TT3	At least 10 credits in Level 1 English (11EN1) OR at least 10 credits in Level 1 Geography (11GE1) OR at least 10 credits in Level 1 History (11HI1) This is a two year course and admission to this course commits students to the second year as well
Visual Art	12AR2	At least 12 credits in Level 1 Painting (11PN1) or Level 1 Design for Print (11PH1), (Photography and Design in 2011) OR Head of Department approval with portfolio submitted before week 10 of Term 3

PREREQUISITES TO ENTER YEAR 13

SUBJECT	CODE	PREREQUISITE
Accounting *	13AC1	At least 15 credits in Level 2 Accounting 1 (12AC1) including achieved or better in AS91174 OR at least 15 credits in Level 2 Accounting 2 (12AC2) including achieved or better in AS91174 OR Head of Department approval
Agricultural Science	13AG4	Students must have studied 12 Agricultural Science (12AG4) At least 18 unit standard credits in 12 Agricultural Science (12AG4).
Art History *	13AH1	At least 14 credits in Level 2 Art History (12AH1) OR at least 14 credits in Level 2 English (12EN1) OR at least 14 credits in Level 2 History (12HI1) OR at least 14 credits in Level 2 Classical Studies (12CS1), NB 6 of these credits must be from external achievement standards OR Head of Department approval
ASDAN	13AS4	Nil
Biology *	13BI1	A GPA of at least 50 in Year 12 Biology (12BI1)
Biology 2	13BI2	A GPA of at least 40 in Year 12 Biology 1 (12BI1)
Building Skills	13BS4	At least 21 credits in Level 2 Building Skills (12BS4)
Business *	13BUI	At least 14 credits in Level 2 Business Studies including Achieved or better in AS90848 OR Head of Department Approval
Commerce Studies	13CO4	At least 60 credits gained in the previous year, including Level 1 Literacy and Level 1 Numeracy OR Head of Department approval
Calculus (Scholarship)	13MCS	Open to the top students completing Mathematics 12MT1, 12MC1, 13MC1 or 13MS1 Students are identified by the Head of Department
Calculus *	13MC1	At least achieved or better in Level 2 Mathematics (12MT1 and 12MC1) in AS91256, AS91257 and AS91269 and merit or better in AS91261 and AS91262 OR Head of Department approval
Chemistry *	13CM1	A GPA of at least 50 in Level 2 Chemistry (12CM1) and at least 12 credits in Level 2 Mathematics (12MT1, 12MT2 or 12MT3)
Chinese *	13CH1	At least 15 credits in Level 2 Chinese (12CH1) OR Teacher in Charge approval
Classical Studies *	13CS1	At least 12 credits in Level 2 Classical Studies (12CS1) OR at least 12 English reading or writing credits OR 8 credits in Level 2 English reading or writing credits plus 8 Level 2 History credits OR Head of Department approval
Dance *	13DN1	At least 16 credits in Level 2 Dance (12DN1), 4 of which must be from an externally assessed achievement standard OR Head of Department approval
Design *	13DS1	At least 16 credits in Level 2 Design (12DS1) OR Head of Department approval with portfolio – applied for ahead of time
Drama *	13DR1	At least 14 credits in Level 2 Drama (12DR1) OR Head of Department approval
Economics *	13EC1	At least 12 credits in Level 2 Economics (12EC1) including at least 8 credits from externally assessed standards OR at least 12 credits in Level 2 Economics 2 (12EC2) OR Head of Department approval
English 1 *	13EN1	At least 12 credits from Level 2 English, with at least 8 credits from externally assessed English achievement standards
English 2 *	13EN2	At least 12 credits in Level 2 English (Achievement Standards) and University Entrance Literacy
English 3	13EN3	Achieved Level 1 literacy through English Department Achievement Standards OR Head of Faculty discretionary approval
ESOL	13ES4	Head of Department approval
Food & Hospitality	13FH4	Year 12 Food & Hospitality or at discretion of HOD only
French *	13FR1	At least 15 credits in Level 2 French (12FR1) OR Teacher in Charge approval
Geography *	13GE1	At least 16 credits in Level 2 Geography (12GE1) including achieved or better in two externally assessed achievement standards, OR at least 16 credits in Level 2 English (12EN1 or 12EN2 -2012) OR Head of Department approval
German *	13GM1	At least 15 credits in Level 2 German (12GM1) OR Teacher in Charge approval

Graphics (DVC)*	13GR1	At least 16 credits in Level 2 Graphics (12GR1)
Health *	13HE1	At least 15 credits in Level 2 Health (12HE1), Achieved or better in AS91235 OR Head of Department approval
History – New Zealand *	13HZ1	At least 13 credits in Level 2 History (12HI1) including an achieved or better in AS91233 OR at least 16 credits in Level 2 English (12EN1 or 12EN2 - 2012) including Level 2 UE literacy OR Head of Department approval
History – Tudor/Stuart *	13HT1	At least 13 credits in Level 2 History (12HI1) including an merit or better in AS91233 OR at least 16 credits in Level 2 English (12EN1 or 12EN2) including Level 2 UE literacy OR Head of Department approval
Horticulture Science	13HR1	A GPA of at least 20 in Level 2 Horticulture (12HR1) OR a GPA of at least 20 in Level 2 Biology (12BI1) and achieved or better in AS90459 (Genetics) OR Head of Department approval
Japanese *	13JP1	At least 15 credits in Level 2 Japanese (12JP1) OR Teacher in Charge approval
Learning Support	13LS4	Ni
Mechanical Engineering	13ME4	Completed Level 2 Mechanical Engineering (12ME4).
Media Studies *	13MD1	At least 16 credits in Level 2 Media Studies (12MD1) which includes 4 credits from AS91251 and 6 credits from AS91253 OR (if Level 2 Media Studies not taken in previous year) at least 15 credits in Level 2 English, which includes 4 credits from either AS91098 or AS91099. Any exceptions are at the discretion of HOD Media Studies.
Music *	13MU1	At least 14 credits in Level 2 Music (12MU1) OR Head of Department approval (Evidence of a musical background in both performance and theory will have to be shown). Students must continue to have lessons on their major instrument and be part of a school music group approved by the Head of Music
Outdoor Education	13OE3	At least 18 credits in Level 2 Outdoor Education (12OE4) and achieved in US20137, US473 and paid 12OE3 subject fee in full. OR Head of Department approval
Painting *	13PN1	At least 16 credits in Level 2 Painting (12PN1) OR Head of Department approval (with portfolio) – applied for before end of term 3
PE Performance *	13PF1	At least 15 credits in Level 2 PE Performance (12PF1) with achieved or better in AS91328 OR Head of Department approval
Photography *	13PH1	At least 16 credits in Level 2 Photography (12PH1) OR Head of Department approval
Physics *	13PY1	A GPA of at least 30 in Level 2 Physics (12PY1) OR Head of Department approval
Science *	13SI1	A GPA of at least 28 in any Level 2 Science OR Head of Department approval Open to Year 12 and 13 students only
Sports Coaching	13SC4	At least 5 credits in Level 2 PE Performance (12PF1) OR 10 credits in Sports Leadership (12SL4) with achieved in US12538, US22770, US21649, US505 OR Head of Department approval
Statistics and Modelling (Scholarship)	13MSS	Open to the top students completing the Mathematics courses 12MT1, 13MC1 or 13MS1 Students are identified by the Head of Department.
Statistics and Modelling *	13MS1	From 12MT1, at least achieved or better in AS91257, AS91261, AS91269 and merit in AS91267 or from 12MS1, at least achieved in AS91260, AS91263, AS91264 and AS91269 and merit in AS91267. OR Head of Department approval
Te Reo Maori *	13RM1	At least 16 credits in Level 2 Te Reo Maori (12RM1) including one external standard OR Head of Department approval
Te Reo Rangatira	13RR1	At least 18 credits in Level 2 Te Reo Rangatira (12RR1), including two external standards OR Head of Department approval
Te Waharoa Maori Performing Arts	13MP4	Ni Desirable that students be studying Te Reo Maori or participating in Kapa Haka
Technology Hard Materials *	13TC1	At least 16 credits in Level 2 Technology Mixed or Hard Materials (11TM1), 11TH1 OR Head of Department approval
Technology Mixed Materials	13TM1	At least 16 credits in Level 2 Mixed Materials technology (12TM1)
Travel and Tourism	13TT4	At least 18 credits in Level 2 Travel and Tourism (12TT4) This is the second of a two year course and students must meet the minimum below to be allowed to continue
Visual Art	13AR1	At least 8 credits in Level 2 Visual Art (12AR1) OR Head of Department approval. (A portfolio of work will have to be submitted.)

SUBJECT FLOWCHART

- KEY:**
- ✦ Compulsory
 - ✦ Subject may be started at this level. *Note: Always check prerequisites*
 - ☑ Subject must have been studied previously

	Year 9	Year 10	NCEA Level 1	NCEA Level 2	NCEA Level 3
ART HISTORY				Art History 12AH1 ✦	Art History * 13AH1 ✦
CAREERS					
Aspire				Aspire 12AP4 ✦	
Gateway				Gateway 12GW4 ✦	
CLASSICAL STUDIES				Classical Studies 12CS1 ✦	Classical Studies * 13CS1 ✦
COMMERCE					
Accounting		Acc/Econ (ACE) 10AE1 ✦	Accounting 11AC1 ✦	Accounting 1 12AC1 ☑	Accounting * 13AC1 ☑
				Accounting 2 12AC2 ✦	
Economics		Acc/Econ (ACE) 10AE1 ✦	Economics 11EC1 ✦	Economics 1 12EC1 ☑	Economics * 13EC1 ☑
				Economics 2 12EC2 ✦	
Business		Business 10BU1 ✦	Business 11BU1 ✦	Business 12BU1 ✦	Business * 13BU1 ✦
Commerce Studies			Commerce Studies 11CO4 ✦	Commerce Studies 12CO4 ✦	Commerce Studies 13CO4 ✦
ENGLISH	English 9EN1 ✦	English 10EN1 ✦	English Enriched 11ENE ✦	English Enriched 12ENE ✦	
			English 1 11EN1 ✦	English 1 12EN1 ✦	English 1 * 13EN1 ☑
			English 2 11EN2 ✦		English 2 * 13EN2 ☑
				English 3 12EN3 ✦	English 3 13EN3 ☑
ESOL			English International (11EI4) ✦	English International (12EI4) ✦	✦
	FNDTN ✦	ESOL 10ES1 ✦	ESOL 11ES4 ✦	ESOL 12ES4 ✦	ESOL 13ES4 ✦
GRAPHICS & TECHNOLOGY					
Food & Nutrition		Food & Nutrition 10FN1 ✦	Food & Hospitality 11FH4 ✦	Food & Hospitality 12FH4 ☑	Food & Hospitality 13FH4 ☑
Food & Hospitality		Graphics 10GR1 ✦	Graphics 11GR1 ☑	Graphics 12GR1 ☑	Graphics * 13GR1 ☑
Graphics			Mechanical Engineering 11ME4 ✦	Mechanical Engineering 12ME4 ☑	
Mechanical Engineering			Building Skills 11BS4 ✦	Building Skills 12BS4 ☑	Building Skills 13BS4 ☑
Building Skills		Technology 10TC1 ✦	Technology Hard Materials 11TH1 ✦	Technology Hard Materials 12TH1 ☑	Technology Hard Materials 13TH1 ☑
Technology Hard Materials			Mixed Materials 11TM1 ✦	Mixed Materials 12TM1 ☑	Mixed Materials 12TM1 ☑
Mixed Materials					
HEALTH	Health 9HE1 ✦		Health 11HE1 ✦	Health 12HE1 ☑	Health* 13HE1 ☑

SUBJECT FLOWCHART

	Year 9	Year 10	NCEA Level 1	NCEA Level 2	NCEA Level 3
LANGUAGES					
Chinese	Chinese 9CH1 ✦	Chinese 10CH1 ✦	Chinese 11CH1 ☒	Chinese 12CH1 ☒	Chinese * 13CH1 ☒
Japanese	Japanese 9JP1 ✦	Japanese 10JP1 ✦	Japanese 11JP1 ☒	Japanese 12JP1 ☒	Japanese * 13JP1 ☒
French	French 9FR1 ✦	French 10FR1 ☒	French 11FR1 ☒	French 12FR1 ☒	French * 13FR1 ☒
German	German 9GM1 ✦	German 10GM1 ☒	German 11GM1 ☒	German 12GM1 ☒	German * 13GM1 ☒
TE TARI MAORI					
Maori Performing Arts			Te Waharoa Maori Performing Arts 11MP4 ✦	Te Waharoa Maori Performing Arts 12MP4 ☒	Te Waharoa Maori Performing Arts 13MP4 ☒
Te Puna O Wairaka	Te Puna O Wairaka ☒	Te Puna O Wairaka ☒			
Te Reo Maori	Te Reo Maori 9RM1 ✦	Te Reo Maori 10RM1 ☒	Te Reo Maori 11RM1 ☒	Te Reo Maori 11RM2 ☒	Te Reo Maori 11RM3 ☒
Te Reo Rangatira			Te Reo Rangatira 11RR1 ☒	Te Reo Rangatira 11RR1 ☒	Te Reo Rangatira 11RR1 ☒
LEARNING SUPPORT					
SWEL (School-wide Effective Learning)	Learning Support 9LS4 ✦	Learning Support 10LS4 ✦			
ASDAN			ASDAN 11AS4 ✦	ASDAN 12AS4 ✦	ASDAN 13AS4 ☒
Learning Support			Learning Support 11LS4 ✦	Learning Support 12LS4 ✦	Learning Support 13LS4 ✦
MATHEMATICS					
	Maths 9MTA ✦	Maths 10MTA ✦			13MCS ☒
	Maths 9MTE ✦	Maths 10MTE ✦			13MSS ☒
	Maths 9MT1 ✦	Maths 10MT1 ✦	Maths 1 11MT1 ✦	Maths 1 12MT1 ☒	Maths with Calculus * 13MC1 ☒
			Maths 2 11MT2 ✦	Maths with Calculus 12MC1 ☒	Statistics & Modelling * 13MS1 ☒
			Maths 3 11MT3 ✦	Statistics 12MS1 ☒	
			Maths 4 11MT4 ✦	Maths 3 12MT4 ☒	
MEDIA STUDIES					
		Media Studies 10MD1 ✦		Media Studies 12MD1 ✦	Media Studies * 13MD1 ✦
MUSIC					
	Music 9MU1 ✦	Music 10MU1 ✦	Music 11MU1 ☒	Music 12MU1 ☒	Music * 13MU1 ☒
PERFORMING ARTS					
Dance		Dance 10DN1 ✦	Dance 11DN1 ☒	Dance 12DN1 ☒	Dance * 13DN1 ☒
Drama		Drama 10DR1 ✦	Drama 11DR1 ☒	Drama 12DR1 ☒	Drama * 13DR1 ☒
PHYSICAL EDUCATION					
Outdoor Education		Outdoor Education 10OE1 ✦	PE Performance 11PO1 ✦	Outdoor Education 12OE3 ☒	Outdoor Education 13OE2 ☒
PE Performance	PE Performance 9PE1 ✦	PE Performance 10PE1 ✦	PE Performance 11PF1 ✦	PE Performance 12PF1 ☒	PE Performance *13PF1 ☒
PE Lifestyles Sports Leadership Sports Coaching			PE Lifestyles 11PL2 ✦	Sports Leadership 12SL4 ✦	Sports Coaching 13SC4 ✦

SUBJECT FLOWCHART

- KEY:**
- ✦ Compulsory
 - ✦ Subject may be started at this level. *Note: Always check prerequisites*
 - ☑ Subject must have been studied previously

	Year 9	Year 10	NCEA Level 1	NCEA Level 2	NCEA Level 3
SCIENCE					
Enriched Biology, Chemistry, Physics			Enriched Biology 11BIE ☑ Chemistry 11CME ☑ Physics 11PYE ☑	Enriched Biology 12BIE ☑ Chemistry 12CME ☑ Physics 12PYE ☑	
Agricultural Science		Agricultural Science 10AG1 ✦	Agricultural Science 11AG4 ✦	Agricultural Science 12AG4 ☑	Agricultural Science 13AG4 ☑
Biology			Biology 11BI1 ✦	Biology 12BI1 ✦	Biology * 13BI1 ☑
				Biology 12BI2 ✦	Biology * 13BI2
Chemistry			Chemistry 11CM1 ✦	Chemistry 12CM1 ✦	Chemistry * 13CM1 ☑
Electronics				Chemistry 12CM2 ✦	Chemistry * 13CM2 ☑
				Electronics 12EL4	
Horticulture		Horticulture 10HR1 ✦	Horticultural Academy 11HR4 ✦	Horticultural Science 12HR1 ✦	Horticultural Science * 13HR1 ✦
Physics			Physics 11PY1 ✦	Physics 12PY1 ✦	Physics * 13PY1 ☑
Science	Science 9SI1 ✦	Science 10SI1 ✦	Science 11SI1 ✦	Science 12SI1 ☑	Science 13SI1 ☑
Science Applied		Science 10SIE ✦			
SOCIAL STUDIES					
Geography			Geography 11GE1 ✦	Geography 12GE1 ✦	Geography * 13GE1 ✦
Global Perspectives		Global Perspectives 10GP1 ✦			
History			History 11HI1 ✦	History 12HI1 ✦	History * 13HZ1 ✦
					History * 13HT1 ✦
Social Science Studies			Social Science Studies 11SS3 ✦	Social Science Studies 12SS3 ✦	
Social Studies	Social Studies 9SS1 ✦	Social Studies 10SS1 ✦			
Travel and Tourism				Travel & Tourism 12TT4 ✦	Travel & Tourism 13TT4 ☑
SPORT ACADEMIES					
	Rugby, Cricket, Netball and Soccer Basketball, Athletics multi-level ☑				
VISUAL ARTS					
Design				Design 12DS1 ☑	Design * 13DS1 ☑
Painting			Painting 11PN1 ☑	Painting 12PN1 ☑	Painting * 13PN1 ☑
Design for Print			Design for Print 11PH1 ☑		
Photography				Photography 12PH1 ☑	Photography * 13PH1 ☑

Note: All NCEA Level 3 courses will include the achievement standard details when the course outlines are distributed at the beginning of 2013. They will be finalised by the Ministry of Education in December 2012.

ART HISTORY – NCEA LEVEL 2 (12AH1)

Prerequisites

Approx Cost: \$30

At least 4 externally assessed Achievement Standard credits and at least 7 more Achievement Standard credits in Level 1 English (11EN1) or History, totalling 11 credits

Students will

- Study artworks, artists and art movements within their historical context. The course complements such subjects as English, History, Classical Studies and Art. The students will be studying the period of 1780 – 1900; known as 'Towards Modernism.'

NUMBER / DOMAIN	NAME OF STANDARD / DOMAIN: ART HISTORY (AH)	LEVEL / CREDITS		
91180	2.1 Examine the effects of formal elements of art works	2	4	E
91182	2.3 Examine the influence of context(s) on art work	2	4	E
91181	2.2 Examine the meaning conveyed by art works	2	4	E
91183	2.4 Examine how media are used to create effects in art works	2	4	I
91184	2.5 Communicate an understanding of an Art History topic	2	4	I
Internal Achievement Standards:8		External Achievement Standards: 20		Total:28

ART HISTORY – NCEA LEVEL 3 (13AH1)

University approved subject

Prerequisites

Approx Cost: \$40

At least 14 credits in Level 2 Art History (12AH1)

OR at least 14 credits in Level 2 English (12EN1)

OR at least 14 credits in Level 2 History (12HI1),

OR at least 14 credits in Level 2 Classical Studies (12CS1)

NB 6 of these credits must be from external achievement standards,

OR Head of Department approval

Students will

- Study artworks, artists and art movements within their historical context. The course complements such subjects as English, History, Classical Studies and Art. Topics include Fourteenth and Fifteenth Century Italian Renaissance Art and Post-1945 Modern American Art.



ASPIRE – NCEA LEVEL 2 (12AP4)**Prerequisites****Approx Cost: Nil**

For students who have yet to achieve NCEA Level 1

Students will

- Develop skills to manage the transition from school to further education or employment
- Investigate possible future career paths and learn a range of relevant life skills
- Have the opportunity to gain their First Aid Certificate and to complete a CV

	NAME OF STANDARD	LEVEL / CREDITS		
504	Produce a CV (Curriculum Vitae)	1	2	I
548	Demonstrate knowledge of management of alcohol and other drugs	1	2	I
3503	Participate and communicate in a team or group to complete a routine task	1	2	I
6400	Manage first aid in emergency situations	3	2	I
6401	Provide first aid	2	1	I
6402	Provide resuscitation (level 2)	1	1	I
6670	Provide short term basic care for a child	2	4	I
10021	Describe the basic needs of children in an ECE service	2	3	I
Total Unit Standards:		17		

GATEWAY – NCEA LEVEL 2 (12GW4)**Prerequisites****Approx Cost: Nil**

Achieved Level 1 NCEA

Selection through application and interview with Head of Department

Students will

- Have the opportunity to gain work experience in a field they are interested in.
- Attend a work placement one day a week for a minimum of 10 weeks
- Students are expected to achieve work related Unit Standards
- Gain credits and important life skills through class units
- Have the opportunity to gain their First Aid Certificate, Site Safe Certificate (if necessary) and to complete a CV
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NUMBER / DOMAIN	NAME OF STANDARD	LEVEL / CREDITS		
467	Demonstrate personal and social development through participation in adventure based learning	2	3	I
548	Demonstrate knowledge of management of alcohol and other drugs	1	2	I
4252	Produce a targeted resume	2	2	I
4261	Ready for the road	2	3	I
6400	Manage first aid in emergency situations	3	2	I
6401	Provide first aid	2	1	I
6402	Provide resuscitation level 2	1	1	I
10781	Produce a plan for own future directions	2	3	I
12354	Describe the implications of independent living including flatting and boarding	2	4	I
12355	Demonstrate knowledge of stress and ways of dealing with it	2	2	I
24699	Make an informed decision relating to personal income and evaluate its consequences	2	2	I
Total Unit Standard Credits: 25				

CLASSICAL STUDIES – NCEA LEVEL 2 (12CS1)**Prerequisites****Approx Cost: \$15**

At least 12 Level 1 English reading and/or writing credits

OR 8 Level 1 English reading and/or writing credits plus 8 Level 1 History credits

OR Head of Department approval

Students will

- Be introduced to aspects of history, literature and art in ancient Greece and Rome. Topics include Greek mythology, Odyssey and Greek architecture and sculpture

NUMBER / DOMAIN	NAME OF STANDARD / DOMAIN: ART HISTORY (AH)	LEVEL / CREDITS		
91200	2.1	Examine ideas and values of the classical world	2	4 E
91201	2.2	Examine the significance of features of works of art in the classical world	2	4 E
91202	2.3	Demonstrate understanding of a significant event in the classical world	2	4 I
91204	2.5	Demonstrate understanding of the relationship between aspects of the classical world and aspects of other cultures	2	6 I
Internal Achievement Standards: 10			External Achievement Standards: 8	Total: 18

CLASSICAL STUDIES – NCEA LEVEL 3 (13CS1)

University approved subject

Prerequisites

Approx Cost: \$20

At least 12 credits in Level 2 Classical Studies (12CS1),

OR 12 Level 2 English reading and/or writing credits

OR 8 Level 2 English reading and/or writing credits plus 8 Level 2 History credits

OR Head of Department approval

Students will

- Be introduced to aspects of history, literature and art in ancient Greece and Rome. Topics include Greek comic theatre, religion and Greek art

Note: 2011 Accounting codes A, B and C have been replaced with codes 1, 2 and 3

ACCOUNTING – NCEA LEVEL 1 (11AC1)

Prerequisites

Approx Cost: \$40

A GPA of at least 50 in Year 10 Business (10BU1), or Year 10 Accounting and Economics (10AE1),

OR a GPA of at least 50 in Year 10 English (10EN1) and at least 50% in Year 10 Mathematics (10MT1) end of year exam

OR Head of Department approval

Students will

- Study basic processing of transactions, financial analysis and reporting skills, by accounting for sole proprietor business course leads to many jobs in the finance area including accountancy, insurance and banking

NUMBER	NAME OF STANDARD	LEVEL / CREDITS		
AS90976-L	Demonstrate understanding of accounting concepts for small entities	1	3	E
AS90977	Process financial transactions for a small entity	1	5	I
AS90978	Prepare financial statements for sole proprietors	1	5	E
AS90980-L	Interpret accounting information for sole proprietors	1	4	E
AS90982-L	Demonstrate understanding of cash management for a small entity	1	4	I
Internal Achievement Standards: 9		External Achievement Standards: 12	Total: 21	

ACCOUNTING 1 – NCEA LEVEL 2 (12AC1)

Prerequisites

Approx Cost: \$40

At least 15 credits in Level 1 Accounting (11AC1) including achieved or better in AS90977 and AS90978,

OR Head of Department approval and with the completion of a home study catch-up course

Students will

- Focus on acquiring and developing business-related accounting skills and theory, learning to process more complex transactions and how to prepare financial statements manually and by computer
- Investigate and report on accounting subsystems as well as analysing and interpreting sole proprietor statements in more detail than at Level 1

NUMBER / DOMAIN	NAME OF STANDARD / DOMAIN:	LEVEL / CREDITS		
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91174	AC	Demonstrate understanding of accounting concepts for an entity that operates accounting subsystems	2	4	E
91175	AC	Demonstrate understanding of accounting processing using accounting software	2	4	I
91176	AC	Prepare financial information for an entity that operates accounting subsystems	2	5	E
91177	AC	Interpret accounting information for entities that operate accounting subsystems	2	4	E
91179	AC	Demonstrate understanding of an accounts receivable subsystem for an entity	2	3	I
Internal Achievement Standards: 7			External Achievement Standards: 13		Total: 20

ACCOUNTING 2 – NCEA LEVEL 2 (12AC2)

Prerequisites

Nil

Approx Cost: \$40

Students will

- Study basic financial processing, reporting and analysis skills in preparation for achievement standards at Levels 1 and 2. This course is aimed at students who have not studied Accounting at Year 11, or have not met the prerequisites for Level 2 Accounting 1 (12AC1). Success in this course will assist entry into Level 3 Accounting

NUMBER / DOMAIN	NAME OF STANDARD / DOMAIN:		LEVEL / CREDITS		
90977	AC	Process financial transactions for a small entity	1	5	I
91174	AC	Demonstrate understanding of accounting concepts for an entity that operates accounting subsystems	2	4	E
91175	AC	Demonstrate understanding of accounting processing using accounting software	2	4	I
91176	AC	Prepare financial information for an entity that operates accounting subsystems	2	5	E
91177	AC	Interpret accounting information for entities that operate accounting subsystems	2	4	E
Internal Achievement Standards: 9			External Achievement Standards: 13		Total: 22

ACCOUNTING – NCEA LEVEL 3 (13AC1)

University approved subject

Prerequisites

Approx Cost: \$40

At least 15 credits in Level 2 Accounting 1 (12AC1) including achieved or better in AS90223

OR at least 15 credits in Level 2 Accounting 2 (12AC2) including achieved or better in AS91176

OR Head of Department approval

Students will

- Be provided with a foundation for the study of accounting at tertiary level
- Gain a fuller understanding of the conceptual basis of accounting, the processing of accounting data and the preparation of financial reports for a partnership, a company and a manufacturing entity
- Prepare budgets, carry out cost-volume-profit analysis and study documents and internal controls for a job-cost subsystem

BUSINESS – NCEA LEVEL 1 (11BU1)

Prerequisites

Approx Cost: \$40

A GPA of at least 50 in Year 10 Business (10BU1), or Year 10 Accounting and Economics (10AE1),

OR a GPA of at least 50 in Year 10 English (10EN1) and at least 50% in Year 10 Mathematics (10MT1) end of year exam,

OR Head of Department approval

Students will

- Focus on small businesses
- Develop the skills necessary to make informed and rational decisions about business matters
- Investigate the internal and external factors affecting small business and use business knowledge to solve operational problems
- Learn the skills necessary to market a new or existing product, and carry out and review a product-based business activity

NUMBER / DOMAIN	NAME OF STANDARD / DOMAIN:		LEVEL / CREDITS		
90837L	BU	Demonstrate an understanding of internal features of a small business	1	4	E
90838L	BU	Demonstrate an understanding of external factors influencing a small business	1	4	E
90839L	BU	Apply business knowledge to an operational problem(s) in a given small business context	1	4	E
90840L	BU	Apply the marketing mix to a new or existing product	1	3	I
90842L	BU	Carry out and review a product-based business activity within a classroom context with direction	1	6	I

Internal Achievement Standards: 9	External Achievement Standards: 12	Total: 21
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BUSINESS – NCEA LEVEL 2 (12BU1)**Prerequisites****Approx Cost: \$40**

At least 14 credits in Level 1 Business (11BU1), including achieved or better in AS90842,
OR at least 14 credits in Level 1 Economics (11EC1) or Level 1 Accounting (11AC1),
OR Head of Department approval

Students will

- Investigate the internal operations of a large business and how it responds to external factors
- Apply business knowledge to a critical problem in a large business context
- Carry out, review and refine a business activity within a community

NUMBER / DOMAIN		NAME OF STANDARD / DOMAIN:	LEVEL / CREDITS		
90843	BU	Demonstrate understanding of the internal operations of a large business	2	4	E
90845	BU	Apply business knowledge to a critical problems(s) in a given large business context	2	4	E
90846	BU	Conduct market research for a new or existing product	2	3	I
90848	BU	Carry out, review and refine a business activity within a community context with guidance	2	9	I
Internal Achievement Standards: 12			External Achievement Standards: 8		Total: 20

BUSINESS – NCEA LEVEL 3 (13BU1)**Prerequisites****Approx Cost: \$40**

At least 14 credits in Level 2 Business Studies, including Achieved or better in AS90848,
OR by Head of Department approval

Students will

- Focus on New Zealand businesses with international connection
- Investigate the internal operations in businesses
- Apply business knowledge to address complex problems
- Develop a marketing plan for a product
- Carry out an innovative and sustainable business activity

NUMBER / DOMAIN		NAME OF STANDARD / DOMAIN:	LEVEL / CREDITS		
91379	BS	Demonstrate understanding of how internal factors interact within a business that operates in a global context	3	4	E
91381	BS	Apply business knowledge to address a complex problem(s) in a given global business context	3	4	E
91382	BS	Develop a marketing plan for a new or existing product	3	6	I
91384	BS	Carry out, with consultation, an innovative and sustainable business activity	3	9	I
Internal Achievement Standards: 15			External Achievement Standards: 8		Total: 23

COMMERCE STUDIES – NCEA LEVEL 1 (11CO3)**Prerequisites****Approx Cost: \$40**

Nil

Students will

- Investigate human resource processes in a business
- Develop skills to make financial decisions and gain an understanding of cash management
- Investigate government decisions and the interdependence of sectors of the NZ economy

NUMBER	NAME OF STANDARD	LEVEL / CREDITS		
AS90841	Investigate aspects of human resource processes in a business	1	3	I
AS90981	Make a financial decision for an individual or group	1	3	I
AS90982	Demonstrate understanding of cash management for a small entity	1	4	I

AS90987	Demonstrate understanding of a government choice where affected groups have different viewpoints	1	4	I
AS90988	Demonstrate understanding of the interdependence of sectors of the New Zealand economy	1	3	I
Internal Achievement Standards: 17		Total: 17		

COMMERCE STUDIES – NCEA LEVEL 2 (12CO4)

Prerequisites

Approx Cost: \$20

At least 60 Level 1 credits and Level 1 Literacy and Level 1 Numeracy,
OR Head of Department approval

Students will

- Develop the skills to make financially literate decisions, involving insurance, employment rights, banking, setting financial goals and purchasing goods

NUMBER / DOMAIN	NAME OF STANDARD / DOMAIN:	LEVEL / CREDITS
1978	WSS Identify and describe basic employment rights and responsibilities, and sources of information and assistance	1 3 I
4255	SM Demonstrate knowledge of personal insurance options	2 4 I
7127	SM Exercise informed choice in deciding on a major goods or service purchased	2 2 I
24699	PFM Make an informed decision relating to personal income and evaluate its consequences	2 2 I
24702	PFM Demonstrate knowledge of credit for personal financial management	2 2 I
24704	PFM Demonstrate knowledge of banking products and services for personal financial management	2 2 I
24707	PFM Set a personal financial goal and plan its implementation	2 3 I
Internal Achievement Standards: 18		Total: 18

COMMERCE STUDIES – NCEA LEVEL 3 (13CO4)

Prerequisites

Approx Cost: \$35

At least 60 Level 2 credits gained in the previous year and Level 1 Literacy and Level 1 Numeracy,
OR Head of Department approval

Students will

- Gain an understanding of financial services available in New Zealand
- Learn to use effective communication and management skills in a number of situations and the basics of contract law
- Develop a critical understanding of basic financial, taxation and student loan concepts and skills
- Gain knowledge and skills to live and work as a more confident, informed and responsible member of our multi-cultural society

ECONOMICS – NCEA LEVEL 1 (11EC1)

Prerequisites

Approx Cost: \$40

A GPA of at least 50 in Year 10 Business (10BU1), or Year 10 Accounting and Economics (10AE1),
OR a GPA of at least 50 in Year 10 English (10EN1) and at least 50% in Year 10 Mathematics (10MT1)
end of year exam
OR Head of Department approval

Students will

- Focus on consumers and producers interacting through the market. There are three parts to the course – producer decisions, consumer decisions and the market
- Gain a greater understanding of the New Zealand economy and the world in which we live by examining the collective behaviour of the groups involved

NUMBER	NAME OF STANDARD	LEVEL / CREDITS
AS90983-L	Demonstrate understanding of consumer choices, using scarcity and/or demand	1 4 E
AS90984-L	Demonstrate understanding of decisions a producer makes about production	1 5 I
AS90985-L	Demonstrate understanding of producer choices using supply	1 3 E
AS90986-L	Demonstrate understanding of how consumer, producer and/or government choices affect society	1 5 E
AS90988-L	Demonstrate understanding of the interdependence of sectors of the New Zealand economy	1 3 I

Internal Achievements Standards: 8	External Achievement Standards: 12	Total: 20
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ECONOMICS 1 – NCEA LEVEL 2 (12EC1)

Prerequisites

Approx Cost: \$30

At least 12 credits in Level 1 Economics (11EC1),

OR Head of Department approval and with the completion of a home study catch-up course

Students will

- Explore the issues of employment, trade, inflation, growth in the New Zealand economy
- Learn to define and measure these issues as well as analyse their causes and possible effects on NZ Society
- Study policies a government may use to address problems with the issues
- Gain an understanding of the interdependent nature of the economy by examining the impact government policies have on various groups, and to appreciate that these may have unequal consequences

NUMBER / DOMAIN		NAME OF STANDARD / DOMAIN:	LEVEL / CREDITS		
91222	EC	Analyse inflation using economic concepts and models	2	4	E
91223	EC	Analyse international trade using economic concepts and models	2	4	E
91224	EC	Analyse economic growth using economic concepts and models	2	4	E
91225	EC	Analyse unemployment using economic concepts and models	2	4	I
91227	EC	Analyse how government policies and contemporary economic issues interact	2	6	I
		Internal Achievement Standards:10	External Achievement Standards: 12	Total: 22	

ECONOMICS 2 – NCEA LEVEL 2 (12EC2)

Prerequisites

Approx Cost: \$30

Nil

Students will

- Study basic economic vocabulary, concepts and skills, preparing for achievement standards at Levels 2. It includes the Unemployment, Inflation and Growth topics at Level 2. Success in this course will assist entry into Level 3 Economics

NUMBER / DOMAIN		NAME OF STANDARD / DOMAIN:	LEVEL / CREDITS		
91222	EC	Analyse inflation using economic concepts and models	2	4	E
91223	EC	Analyse international trade using economic concepts and models	2	4	E
91224	EC	Analyse economic growth using economic concepts and models	2	4	E
91225	EC	Analyse unemployment using economic concepts and models	2	4	I
		Internal Achievement Standards: 4	External Achievement Standards: 12	Total: 16	

ECONOMICS – NCEA LEVEL 3 (13EC1)

University approved subject

Prerequisites

Approx Cost: \$30

At least 12 credits in Level 2 Economics (12EC1) including at least 8 credits from externally assessed standards,

OR At least 12 credits in Level 2 Economics (12EC2) including at least 8 credits from externally assessed standards,

OR Head of Department approval

Students will

- Be able to reach a level of economic literacy and understanding and to develop a continuing and critical interest in current economic issues, which will prepare them for study at university level

ENGLISH ENRICHED – NCEA LEVEL 1 (11ENE)**Prerequisites**

A GPA of at least 80 in Year 10 English

Approx Cost: \$10

Students will

- Be offered a rich study of literature and language to enhance achievement at Level 1 NCEA.
- Focus on achievement with excellence in a wide range of disciplines and prepare to achieve excellence at Level 2

NUMBER	NAME OF STANDARD	LEVEL / CREDITS		
AS90052	Produce creative writing	1	3	I
AS90053	Produce formal writing	1	3	I
AS90849	Show understanding of specified aspect(s) of written text(s) using supporting evidence	1	4	E
AS90850	Show understanding of specified aspect(s) of visual or oral text(s) using supporting evidence	1	4	E
AS90851	Show understanding of significant aspect(s) of unfamiliar written text(s) using supporting evidence	1	4	E
AS90857	Construct and deliver an oral text	1	3	I
Internal Achievement Standards: 9		External Achievement Standards: 12		Total: 21

ENGLISH ENRICHED – NCEA LEVEL 2 (12ENE)**Prerequisites**

At least 17 credits in Level 1 English of which 8 credits are from Level 1 externally assessed English standards at merit or excellence

Approx Cost: \$10

Students will

- Study film, an extended text and short texts
- Develop a love of literature through reading and viewing a range of texts from a variety of authors and cultures
- Write in a range of styles, developing their essay writing skills and producing a portfolio of writing
- Read a wide range of text types at home to extend their knowledge and appreciation of literature to allow them to achieve highly in the literature research project that will be ongoing through much of the year

NUMBER	NAME OF STANDARD	LEVEL / CREDITS		
AS91101(2.4)	Produce a selection of crafted and controlled writing	2	6	I
AS91104(2.7)	Analyse significant connections across texts, supported by evidence	2	3	I
AS91098(2.1)	Analyse specified aspect(s) of studied written text(s), supported by evidence	2	4	E
AS91099(2.2)	Analyse specified aspect(s) of studied visual or oral text(s), supported by evidence	2	4	E
AS91100(2.3)	Analyse significant aspects of unfamiliar written text(s) through close reading, supported by evidence	2	4	E
Internal Achievement Standards:9		External Achievement Standards:12		Total: 21



ENGLISH 1 – NCEA LEVEL 1 (11EN1)**Prerequisites**

A GPA between 50 and 79 in Year 10 English
OR Head of Faculty Approval

Approx Cost: \$10

Students will

- Study a range of written and visual texts to enhance achievement at Level 1 NCEA.
- Develop their reading, writing, speaking and listening skills.

NUMBER	NAME OF STANDARD	LEVEL / CREDITS		
AS90052	Produce creative writing	1	3	I
AS90053	Produce formal writing	1	3	I
AS90849	Show understanding of specified aspect(s) of written text(s) using supporting evidence	1	4	E
AS90850	Show understanding of specified aspect(s) of visual or oral text(s) using supporting evidence	1	4	E
AS90851	Show understanding of significant aspect(s) of unfamiliar written text(s) using supporting evidence	1	4	E
AS90857	Construct and deliver an oral text	1	3	I
Internal Achievement Standards: 9		External Achievement Standards: 12		Total: 21

ENGLISH 1 – NCEA LEVEL 2 (12EN1)**Prerequisites**

At least 12 credits in Level 1 English of which 4 credits are from externally assessed achievement standards
OR Head of Faculty Approval

Approx Cost: \$10

Students will

- Study and analyse film, and either an extended text or short texts, as preparation for two literature essays in the exam
- Write in a range of styles, developing their essay writing skills and producing a portfolio of writing
- Read a wide range of text types at home to extend their knowledge and appreciation of literature and to allow them to achieve highly in the literature research project that will be ongoing through much of the year.

NUMBER / DOMAIN	NAME OF STANDARD / DOMAIN:	LEVEL / CREDITS		
AS91101(2.4)	Produce a selection of crafted and controlled writing	2	6	I
AS91104(2.7)	Analyse significant connections across texts, supported by evidence	2	3	I
AS91098(2.1)	Analyse specified aspect(s) of studied written text(s), supported by evidence	2	4	E
AS91099(2.2)	Analyse specified aspect(s) of studied visual or oral text(s), supported by evidence	2	4	E
Internal Achievement Standards: 9		External Achievement Standards: 8		Total: 17

ENGLISH 1 – NCEA LEVEL 3 (13EN1)**University approved subject****This course is designed for students with a track record of high achievement in English.****Prerequisites**

At least 12 credits from Level 2 English, with at least 8 of those credits from externally assessed Achievement Standards.

Approx Cost: \$10

Students will

- Develop their enjoyment and understanding of literature and film through reading and viewing a range of texts including a play by Shakespeare.
- Produce extended writing in a range of styles and for different audiences and purposes.
- Develop their knowledge and understanding of the literary, social and cultural contexts of texts through directed and independent wide reading of literature and literary criticism.
- Present their knowledge and understanding of literature through writing, and presentations which combine spoken and visual language.

Note: 2011 English codes A, B and C have been replaced with codes 1, 2 and 3

ENGLISH 2 – NCEA LEVEL 1 (11EN2)**Prerequisites**

A GPA of less than 50 in Year 10 English

Approx Cost: \$10

Students will

- Have the opportunity to achieve Level 1 Literacy.
- Study film and a variety of written texts.
- Develop key skills in reading, writing, speaking and listening.

NUMBER	NAME OF STANDARD	LEVEL / CREDITS		
AS90849	Show understanding of specified aspect(s) of written text(s) using supporting evidence	1	4	E
AS90850	Show understanding of specified aspect(s) of visual or oral text(s), using supporting evidence	1	4	E
AS90854	Form personal responses to independently read texts, supported by evidence	1	4	I
AS90855	Create a visual text	1	3	I
AS90857	Construct and deliver an oral text	1	3	I
Internal Achievement Standards: 10		External Achievement Standards: 8		Total: 18

ENGLISH 2 – NCEA LEVEL 3 (13EN2)**University approved subject**

This course is designed for students with a good record of achievement in English. The number of credits is reduced compared to 13EN1 to allow more time for students to develop their understanding of the key concepts and skills of Level 3 English.

Prerequisites

At least 12 credits in Level 2 English and University Entrance literacy.

Approx Cost: \$10

Students will

- Develop their enjoyment and understanding of literature and film through reading and viewing a range of texts.
- Produce extended writing in a range of styles and for different audiences and purposes.
- Develop their knowledge and understanding of the literary, social and cultural contexts of texts through directed and independent wide reading of literature and literary criticism.
- Present their knowledge and understanding of literature through writing, and presentations which combine spoken and visual language.

Note: 2011 English codes A, B and C have been replaced with codes 1, 2 and 3

ENGLISH 3 – NCEA LEVEL 2 (12EN3)**Prerequisites**

Less than 10 Level 1 Literacy credits from the English Department Achievement Standards
OR Head of Faculty Discretionary Placement
OR Teacher Recommendation

Approx Cost: \$10

Students will

- Read and engage with a wide range of texts with the aim of improving vocabulary, communication and awareness of ideas within and beyond texts.
- Practise and develop writing skills with a focus on fluency, accuracy and sophistication of ideas.
- Deliver a speech and design a visual text.
- Have the opportunity to gain credits in a range of skills at either Level 1 or Level 2.
- Be able to fill gaps in their Level 1 credit total.

SKILL	NUMBER	NAME OF STANDARD	LEVEL / CREDITS		
Writing	Either:				
	AS90052(1.4)	Produce creative writing	1	3	I
	AS90053(1.5)	Produce formal writing	1	3	I
	Or:				
	AS91101(2.4)	Produce a selection of crafted and controlled writing	2	6	I
Oral Presentation	Either:				
	AS90857(1.6)	Construct and deliver an oral text	1	3	I
	Or:				

	AS91102(2.5)	Construct and deliver a crafted and controlled oral text	2	3	I
Reading	Either:				
	AS90854(1.10)	Form personal responses to independently read texts, supported by evidence	1	4	I
	Or:				
	AS91106(2.9)	Form developed personal responses to independently read texts, supported by evidence	2	4	I
Create Visual Text	Either:				
	AS90855(1.7)	Create a visual text	1	3	I
	Or:				
	AS91103(2.6)	Create a crafted and controlled visual and verbal text	2	3	I
Internal Achievement Standards: 16			External Achievement Standards: Nil		Total: 16

ENGLISH 3 – NCEA LEVEL 3 (13EN3)

This course is designed for students who do not have sufficient level 2 credits to meet the literacy requirements for University Entrance.

Prerequisites

Approx Cost: \$10

Achieved Level 1 literacy credits through the English Department Achievement Standards.

Students will

- Develop their writing skills through a range of interesting activities.
- Read and view a range of texts designed to stimulate their interest and develop their skills in reading, writing and viewing.
- Prepare for assessments in reading and writing which meet the requirements for university entrance literacy.

ESOL DEPARTMENT

When reading the Senior Academic Guide for ESOL please remember the following:

1. ESOL Unit Standards are approximately equivalent to the New Zealand Curriculum as follows:

ESOL Unit Standard Level	NCEA LEVELS
ESOL Level 1	
ESOL Level 2	
ESOL Level 3	NCEA Level 1
ESOL Level 4	NCEA Level 2
	NCEA Level 3

2. For students entering a New Zealand University in 2014 the following ESOL Unit Standards count towards university entrance literacy.

- **Unit Standard 22750 ESOL Level 4: 5 credits**
Write a crafted text using researched material for an academic purpose. (ESOL)
- **Unit Standard 22751 ESOL Level 4: 5 credits**
Read and process information for academic purposes. (ESOL)

3. All assessment activities must be conducted in English, which must not be the candidate's first language.

ENGLISH INTERNATIONAL - ESOL LEVEL 2

This course may be taken over 2 years

Prerequisites

Head of Department approval

Approx Cost: Nil

NUMBER	NAME OF STANDARD	LEVEL / CREDITS		
US1287	Talk about self in an interview using learnt language patterns	ESOL 2	4	I
US2969	Read recounts in familiar contexts	ESOL 2	4	I
US2986	Read information texts in familiar contexts	ESOL 2	4	I
US3477	Write recounts on familiar topics	ESOL 2	4	I
US15007	Understand spoken information and instructions in familiar contexts	ESOL 2	4	I
US17368	Write information texts on familiar topics	ESOL 2	4	I
Internal Unit Standards (ESOL): 24			Total: 24	

ENGLISH INTERNATIONAL - ESOL LEVEL 3

This course may be taken over 2 years

Prerequisites

Head of Department approval

Approx Cost: Nil

NUMBER	NAME OF STANDARD	LEVEL / CREDITS		
US15009	Understand spoken information in different contexts	ESOL 3	4	I
US17144	Write information texts	ESOL 3	5	I
US17359	Talk about self in a formal interview	ESOL 3	4	I
US17361	Read recounts	ESOL 3	4	I
US17363	Read information texts in familiar contexts	ESOL 3	5	I
US17372	Write recounts	ESOL 3	5	I
Internal Unit Standards (ESOL): 27			Total: 27	

ESOL – LEVEL 2

This course may be taken over 2 years

Prerequisites

Head of Department approval

Approx Cost: Nil

NUMBER	NAME OF STANDARD	LEVEL / CREDITS		
US1287	Talk about self in an interview using learnt language patterns	ESOL 2	4	I
US2969	Read recounts in familiar contexts	ESOL 2	4	I
US2986	Read information texts in familiar contexts	ESOL 2	4	I
US3477	Write recounts on familiar topics	ESOL 2	4	I
US15007	Understand spoken information and instructions in familiar contexts	ESOL 2	4	I
US17368	Write information texts on familiar topics	ESOL 2	4	I
Internal Unit Standards (ESOL): 24			Total: 24	

ESOL – LEVEL 3

This course may be taken over 2 years

Prerequisites

Head of Department approval

Approx Cost: Nil

NUMBER	NAME OF STANDARD	LEVEL / CREDITS		
US15009	Understand spoken information in different contexts	ESOL 3	4	I
US17144	Write information texts	ESOL 3	5	I
US17359	Talk about self in a formal interview	ESOL 3	4	I
US17361	Read recounts	ESOL 3	4	I
US17363	Read information texts in familiar contexts	ESOL 3	5	I
US17372	Write recounts	ESOL 3	5	I
Internal Unit Standards (ESOL): 27		Total: 27		

ESOL – LEVEL 4

This course may be taken over 2 years

Prerequisites

Head of Department approval

Approx Cost: Nil

NUMBER	NAME OF STANDARD	LEVEL / CREDITS		
US22750	Write a crafted text using researched material for an academic purpose	ESOL 4	5	I
US22751	Read and process information for academic purposes	ESOL 4	5	I
US22891	Deliver an oral presentation for an academic purpose	ESOL 4	5	I
US22892	Demonstrate understanding of spoken texts and process information for an academic purpose	ESOL 4	5	I
Internal Unit Standards (ESOL): 20		Total: 20		

BUILDING SKILLS – NCEA LEVEL 1 (11BS4)**Prerequisites**

Nil

Approx Cost: \$60

Preference will be given to students who have taken either Technology or Graphics in Year 10

Students will

- Work on set project and develop practical carpentry skills. The course is suitable for students looking at an apprenticeship in the building/joinery/cabinetmaking industry

NUMBER	NAME OF STANDARD	LEVEL / CREDITS		
US24352*	Demonstrate knowledge of and apply safe working practices in the construction of a BCATS project	1	2	I
US24355*	Demonstrate knowledge of construction and manufacturing materials used in BCATS project	1	4	I
US24356*	Apply elementary workshop procedures and processes for BCATS projects	1	8	I
US25919*	Use hardware and fastenings for a BCATS project	1	2	I
US25920*	Use joints for a BCATS projects	1	3	I
AS91061	Demonstrate understanding of basic concepts related to structures	1	3	I
Unit Standards: 19		Internal Achievement Standards: 3		Total: 22

* Industry Training Organisation (ITO) unit standards

BUILDING SKILLS – NCEA LEVEL 2 (12BS4)

Prerequisites

Approx Cost: \$60

At least 19 credits in Level 1 Building Skills.

This course is a progression from Level 1 for students pursuing a career in the furniture making or building industry

Students will

- Work on woodworking projects and learn how to safely use a range of tools and woodworking techniques. The course has a practical component as well as a set of booklets which students are required to complete to achieve credits

NUMBER / DOMAIN	NAME OF STANDARD / DOMAIN:	LEVEL / CREDITS		
US12927 BCITO	Identify, select, maintain and use hand tools for BCATS projects	2	6	I
US25319 BCITO	Demonstrate knowledge of the carpentry industry within a BCATS environment	2	2	I
US25330 BCITO	Demonstrate knowledge of the joinery industry within a BCATS environment	2	2	I
US24350 BCITO	Identify, select, maintain and use portable power tools for BCATS projects	2	6	I
US24354 BCITO	Demonstrate knowledge of and apply safe working practices in a BCATS environment	2	4	I
US24357 BCITO	Receive instructions and communicate environment information in relation to BCATS project	2	4	I
US24358 BCITO	Plan and monitor the construction of a BCATS project and quality check the product	2	2	I
Unit Standards: 26		Total: 26		

BUILDING SKILLS – NCEA LEVEL 3 (13BS4)

Prerequisites

Approx Cost: \$60

At least 21 credits in Level 2 Building Skills (12BS4)

Students will

- Learn theory units, which are supported by practical skills. The theory components of the course are actual unit standards taken from BCITO National Certificates. This course is for students wanting a trade career in the construction industry

NUMBER	NAME OF STANDARD	LEVEL / CREDITS		
US12997	Demonstrate knowledge of safe working practices on construction sites	3	3	I
US12998	Demonstrate knowledge of carpentry hand tools	3	4	I
US12999	Demonstrate knowledge of timber machining equipment used on construction sites	3	3	I
US13000	Demonstrate knowledge of portable power tools used on construction sites	3	4	I
US13002	Demonstrate knowledge of timber used in construction	3	2	I
US24378	Perform building calculations	3	4	I
Unit Standards		Total: 20		

FOOD & HOSPITALITY – NCEA LEVEL 1 (11FH4)**Prerequisites**

A GPA of least 50 in Year 10 English (10EN1),
OR Head of Department approval

Approx Cost: \$75 + workbook

Students will

- Learn about food safety and hygiene and skills in food preparation
- Be encouraged to develop health enhancing attitudes to nutrition and to apply this knowledge to given situations designing appropriate meal plans
- Gain an awareness of different cultures' eating and meal patterns and be introduced to factors influencing food choices

NUMBER	NAME OF STANDARD	LEVEL / CREDITS		
US15620	Apply knowledge of hygiene and safety in preparation, serving, and storage of food	1	6	I
US15900	Prepare and present meat in the hospitality industry	1	4	I
US15901	Prepare and present fruit and vegetables in the hospitality industry	1	3	I
US19770	Prepare and present egg and cheese dishes in the hospitality industry	1	2	I
AS90956	Home Economics 1.1 – Demonstrate knowledge of an individual's nutritional needs	1	5	I
AS90958	Home Economics 1.3 – Demonstrate understanding of how cultural practices influence eating patterns in New Zealand	1	5	I
Internal Unit Standards:15		Internal Achievement Standards:10		Total: 25

FOOD & HOSPITALITY – NCEA LEVEL 2 (12FH4)**Prerequisites**

At least 11 credits in Level 1 Food & Hospitality (11FH4)

Approx Cost: \$75 + workbook

Students will

- Continue the introduction from Level 1 Food and Hospitality, improving practical skills and knowledge. Catering experience providing meals for others will form part of their learning
- Investigate nutrition requirements for high energy users and vegetarians and develop meal plans accordingly

NUMBER / DOMAIN	NAME OF STANDARD / DOMAIN: FOOD SAFETY (FS), COOKERY (CY), HOSPITALITY (HS), FOOD AND BEVERAGE SERVICE (FB)	LEVEL / CREDITS		
US167	HOSP Practise food safety methods in a food business	2	4	I
US13280	CY Prepare fruit and vegetable cuts	2	2	I
US13281	CY Prepare and present basic sandwiches for service	2	2	I
US13283	CY Prepare and present salads for service	2	2	I
US13284	FB Clean food production areas and equipment	2	2	I
US13285	CY Handle and maintain knives in a commercial kitchen	2	2	I
US14462	HS Maintain personal presentation and greet customers in the hospitality industry	2	2	I
US17285	FB Demonstrate knowledge of commercial espresso coffee equipment and prepare espresso beverages under supervision	2	4	I
US17288	FB Prepare and present espresso beverages for service	3	5	I
Unit Standards: 20 (L2); 5 (L3)		Total: 25		

FOOD & HOSPITALITY – NCEA LEVEL 3 (13FH4)

This course is run in partnership with AIS. Entry is restricted to thirty students only.

Prerequisites

Year 12 Food & Hospitality or at discretion of HOD only

Approx Cost: \$150

Students will

- Spend one day a week from 11am to 2.30pm at AIS working in the café. Must be committed and have good attendance

NUMBER	NAME OF STANDARD	LEVEL / CREDITS		
US13282	Prepare, assemble, and present complex sandwiches for service in a commercial kitchen	3	2	I
US13293	Prepare and cook vegetable dishes in a commercial kitchen	3	6	I
US13316	Prepare and cook basic pasta dishes in a commercial kitchen	3	3	I
US13325	Prepare and bake basic cakes, sponges, and scones in a commercial kitchen	3	4	I
US14441	Provide counter food and beverage service in a commercial hospitality environment	3	3	I
US17288	Prepare and present espresso beverages for service	3	5	I
US167	Practise food safety methods in a food business	2	4	I
Unit Standards: 4 (L2): 23 (L3)		Total: 27		

GRAPHICS (DVC) DESIGN & VISUAL COMMUNICATION – NCEA LEVEL 1 (11GR1)

Prerequisites

Completion of Year 10 Graphics (10GR1)
OR Head of Department approval

Approx Cost: \$45

Students will

- Complete a full NZQA designed Graphics course. NCEA assessment will be detailed in the course booklet issued at the beginning of each year. Areas covered are environmental graphics (architecture), technological design (product design) and media and packaging design.

The internally assessed briefs will be used as part of the evidence for externally assessed work to be sent away for marking.

- Will be required to supply their own graphics equipment: A3 folder, drawing instruments, pencils and set squares

NUMBER	NAME OF STANDARD	LEVEL / CREDITS		
AS91063	Produce freehand sketches that communicate design ideas	1	3	E
AS91064-N	Produce instrumental, multi-view orthographic drawings that communicate technical features of design ideas	1	3	E
AS91066	Use rendering techniques to communicate the form of design ideas	1	3	I
AS91067	Use the work of an influential designer to inform design ideas	1	3	I
AS91068	Undertake development of design ideas through graphics practice	1	6	I
Internal Achievement Standards: 12		External Achievement Standards: 6		Total: 18

GRAPHICS (DVC) DESIGN & VISUAL COMMUNICATION – NCEA LEVEL 2 (12GR1)

Prerequisites

At least 16 credits in Level 1 Graphics (11GR1)

Approx Cost: \$45

Students will

- Work on a range of assignments based on the graphics syllabus for years 10 to 13. The assignment course work quality must be at a level superior to Level 1. More complex design briefs and computer graphics will be required as well as a wider range of modes and media application
- Study architectural/landscape, media/technical illustration and engineering/technological drawing in their assignments
- Be required to present a research assignment based on design and the implications on society.
- Be required to supply their own A3 folder and a range of instrumental drawing equipment

NUMBER / DOMAIN	NAME OF STANDARD / DOMAIN:	LEVEL / CREDITS		
AS91340 2.33	Use the characteristics of a design movement or era to inform own design ideas	2	3	I
AS91341 2.34	Develop a spatial design through graphics practice	2	6	I
AS91342 2.35	Develop a product design through graphics practice	2	6	I
AS91337 2.30	Use visual communication techniques	2	3	E
AS91338 2.31	Produce working drawings to communicate technical details of a design	2	4	E
Internal Achievement Standards: 15		External Achievement Standards: 7		Total: 22

GRAPHICS (DVC) DESIGN & VISUAL COMMUNICATION – NCEA LEVEL 3 (13GR1)

University approved subject - Available at Scholarship Level

Prerequisites

At least 16 credits in Level 2 Graphics (12GR1)

Approx Cost: \$45

Students will

- Be expected to work through a design process using in-depth annotation and a good understanding of the elements and principles of design
- Work through two assignments, the first being a 'negotiated brief' which is based on architectural or landscape design which will require students to find their own client and work through a design solution with their client. The second assignment is a teacher directed brief which is based on a product design.

The Level 3 course is exciting and will allow students a large degree of flexibility with their chosen unit of work

MECHANICAL ENGINEERING – NCEA LEVEL 1 (11ME4)**Prerequisites****Approx Cost: \$60**

Preference will be given to students who have taken either Technology or Graphics in Year 10

Students will

- Gain practical engineering skills. The course is suitable for students interested in an apprenticeship in fitting/turning, fitting/welding, toolmaking, automotive engineering and CNC programming. A reasonable mathematical ability is required as a large component of the course involves using measuring equipment and working to close tolerances

NUMBER	NAME OF STANDARD	LEVEL / CREDITS		
US22923	Demonstrate basic engineering workshop skills under close supervision	1	12	I
US22926	Demonstrate knowledge of safety procedures in a specific engineering workshop	1	2	I
AS91057	Implement basic procedures using resistant materials to make a specified product	1	6	I
Internal Unit Standards: 14		External Achievement Standards: 6		Total: 20

MECHANICAL ENGINEERING – NCEA LEVEL 2 (12ME4)**Prerequisites****Approx Cost: \$60**

Completed Level 1 Mechanical Engineering (11ME4),

Students will

- Continue on from Level 1 Mechanical Engineering gaining a higher level of engineering skills
- Need to have prior experience with some of the equipment used as they will be working on projects of a more complex nature
- Gain skills in advanced metal lathe work, using a milling machine and learning a range of welding techniques
- Need to have a reasonable level of numeracy skills

NUMBER / DOMAIN	NAME OF STANDARD / DOMAIN:	LEVEL / CREDITS		
US21911	Demonstrate knowledge of safety on engineering worksites	2	2	
US20917	Demonstrate basic knowledge of engineering materials	2	2	
US2395	Select use and care for engineering hand tools	2	4	
US4435	Select use and care for engineering dimensional measuring equipment	2	3	
US4436	Select use and care for engineering marking-out equipment	2	4	
AS91344	Construction and mechanical technologies			
AS2.20	Implement advanced procedures using resistant materials to make a specified product with special features	2	6	
Internal Achievement Standards:		External Achievement Standards:		Total: 21

MECHANICAL ENGINEERING – NCEA LEVEL 3 (13ME4)**Prerequisites****Approx Cost: \$60**

Completed Level 2 Mechanical Engineering (12ME4),

Students will

- Continue on from Level 2 Mechanical Engineering, gaining a higher level of engineering skills
- Develop advanced skills with the equipment used in Level 2
- Working on projects of a more complex nature
- Need to have a good level of numeracy skills

NUMBER	NAME OF STANDARD	LEVEL / CREDITS		
AS	Implement complex procedures to integrate parts using resistant materials to make a specified product	3	6	I
US7530	Use, and care for, fixed machine tools in materials technology	3	5	I
US20799	Demonstrate knowledge of common engineering metals	3	4	I
US21905	Engineering Trade calculations	2	4	I
Internal Achievement Standards: 19		External Achievement Standards: Nil		Total: 19

TECHNOLOGY MIXED MATERIALS – NCEA LEVEL 1 (11TM1)**Prerequisites****Approx Cost: \$55**

A GPA of at least 60 in Year 10 Technology (10TC1)

OR Head of Department approval

Students will

- Work with a range of materials such as fabric, leather and metals
- Produce a range of outcomes such as jewellery, Kiwiana inspired bags and other exciting projects in a challenging and rewarding course
- Cover the three strands of technology and be assessed on design and designers' influence on society

NUMBER	NAME OF STANDARD	LEVEL / CREDITS		
AS91046	Use design ideas to produce a conceptual design for an outcome to address a brief	1	6	I
AS91053	Demonstrate understanding of design elements	1	3	E
AS91057	Implement basic procedures using resistant materials to make a specified product	1	6	I
AS91059-L	Demonstrate understanding of basic concepts used to make products from resistant materials	1	4	I
Internal Achievement Standards: 16		External Achievement Standards: 3		Total: 19

TECHNOLOGY MIXED MATERIALS – NCEA LEVEL 2 (12TM1)

Prerequisites

Approx Cost: \$55

Completed Level 1 Graphics (11GR1) or Level 1 Technology Mixed or Hard Materials (11TM1), (11TH1),
OR Head of Department approval

Students will

- Design and make an item of clothing incorporating sewing and design skills
- Progress from the Level 1 Mixed Materials course and focus on sewing, the use of mixed materials, with special emphasis on designing an item of clothing

NUMBER / DOMAIN	NAME OF STANDARD / DOMAIN:	LEVEL / CREDITS		
AS91356 2.3	Develop a conceptual design for an outcome	2	6	I
AS91361 2.8	Demonstrate understanding of sociocultural factors and how competing priorities are managed in technology	1	4	I
AS91345 2.21	Implement advanced procedures using textile materials to make a specified product with special features	2	6	I
AS91358 2.5	Demonstrate understanding of technological modelling supports risk management	1	4	E
Internal Achievement Standards: 16		External Achievement Standards: 4		Total: 20

TECHNOLOGY MIXED MATERIALS – NCEA LEVEL 3 (13TM1)

University approved subject/Available at scholarship level

Prerequisites

Approx Cost: \$60

At least 16 credits in Level 2 Mixed Materials technology (12TM1)

Students will

- Demonstrate an increased understanding of knowledge and skills in identifying problems within a context and being able to design and manufacture a design, which addresses the problem
- They will produce a visual diary that will clearly illustrate and explain how their understanding and research has informed their practice
- Students must have a basic range of drawing equipment and an A3 design folio. The course fee will cover material costs

TECHNOLOGY HARD MATERIALS – NCEA LEVEL 1 (11TH1)

Prerequisites

Approx Cost: \$55

A GPA of at least 60 in Year 10 Technology (10TC1)

OR Head of Department Approval

Students will

- Develop a technological solution that addresses the requirements of a given brief.
- Cover the three main strands of technology – technological practice, technological knowledge and the nature of technology
- Use problem solving skills to work through a series of events to come up with a solution using a range of skills, research tools and processes

NUMBER	NAME OF STANDARD	LEVEL / CREDITS		
AS91044	Undertake brief development to address a need or opportunity	1	4	I
AS91046	Use design ideas to produce a conceptual design for an outcome to address a brief	1	6	I
AS91049	Demonstrate understanding of how materials enable technological products to function	1	4	E
AS91052	Demonstrate understanding of the ways a technological outcome, people and social and physical Environments interact	1	4	I
Internal Achievement Standards: 14		External Achievement Standards: 4		Total: 18

TECHNOLOGY HARD MATERIALS – NCEA LEVEL 2 (12TH1)**Prerequisites****Approx Cost: \$55**

At least 16 credits in Level 1 Technology Mixed or Hard Materials (11TCM1), (11TH1)

OR Head of Department approval

Students will

- Identify an issue, formulate a brief and develop and use planning tools to help with the development and the making of a design in hard materials technology
- Need skills in design and evaluation as well as being able to research and document evidence relating to their design
- Be familiar with technological terms and have had some experience with a range of processes and use of tools in a workshop environment

NUMBER / DOMAIN	NAME OF STANDARD / DOMAIN:	LEVEL / CREDITS		
AS91354	2.1 Undertake brief development to address an issue	2	4	I
AS91357	2.4 Undertake effective development to make and trial a prototype	2	6	I
AS91347	2.22 Demonstrate understanding of advanced concepts used to make products	2	4	I
	2.10 Demonstrate understanding of sustainability in design	2	4	E
Internal Achievement Standards: 14		External Achievement Standards: 4		Total: 18

TECHNOLOGY HARD MATERIALS – NCEA LEVEL 3 (13TH1)

University approved subject / Available at scholarship level

Prerequisites**Approx Cost: \$55**

At least 16 credits in Level 2 Technology Mixed or Hard Materials (12TM1), (12TH1)

OR Head of Department approval

Students will

- Demonstrate an increased understanding of technological knowledge and skills in identifying problems within a context and being able to design and manufacture a solution to address the problem
- Produce a visual diary that will clearly illustrate and explain how their understanding and research has informed their practice
- Have a basic range of drawing equipment and an A3 design folio. The course fee will cover material costs

HEALTH – NCEA LEVEL 1 (11HE1)**Prerequisites****Approx Cost: \$30**

Satisfactory completion of Year 10 Physical Education (10PE1), and a GPA of at least 50 in Year 10 English / 80 End of Year English

OR Head of Department approval

Students will

- Be introduced to concepts in understanding health education. This includes studying topics of well-being, relationships, strateg change, sexuality and issues with drug use

NUMBER	NAME OF STANDARD	LEVEL / CREDITS		
AS90971-L	Take action to enhance an aspect of personal well-being	1	3	I
AS90973-L	Demonstrate understanding of interpersonal skills used to enhance relationships	1	5	I
AS90974-L	Demonstrate understanding of strategies for promoting positive sexuality	1	4	I
AS90975-L	Demonstrate understanding of issues to make health-enhancing decisions in drug-related situations	1	4	E
AS91097-L	Demonstrate understanding of ways in which wellbeing can change and strategies to support wellbeing	1	4	I
Internal Achievement Standards: 16		External Achievement Standards: 4		Total: 20

HEALTH – NCEA LEVEL 2 (12HE1)**Prerequisites****Approx Cost: \$30**

At least 15 credits in Level 1 Health (11HE1), Achieved or better in AS90975 external

OR Head of Department approval

Students will

- Study adolescent health issues, wellbeing, mental health issues, health promotion and sexuality issues.

- Need to have sound written English skills

NUMBER / DOMAIN		NAME OF STANDARD / DOMAIN: HEALTH & PHYSICAL EDUCATION (HE)	LEVEL / CREDITS		
AS91235	HE	Analyse an adolescent health issue	2	5	E
AS91236	HE	Evaluate factors that influence people's ability to manage change	2	5	I
AS91237	HE	Take action to enhance an aspect of people's wellbeing within the school or wider community	2	5	I
AS91239	HE	Analyse issues related to sexuality and gender to develop strategies for addressing the issues	2	5	I
Internal Achievement Standards: 10			External Achievement Standards: 10		Total: 20

HEALTH – NCEA LEVEL 3 (13HE1)

University approved subject

Prerequisites

Approx Cost: \$15

At least 15 credits in Level 2 Health (12HE1), Achieved or better in AS91235

OR Head of Department approval

Students will

- Analyse and examine health related issues, ethical issues, health practices used and health promotion within New Zealand and internationally
- Study topics including methamphetamine use, western and complementary health practices, HIV/AIDS and adolescent health issues

CHINESE – NCEA LEVEL 1 (11CH1)

Prerequisites

Approx Cost: \$55

A GPA of at least 50 in Year 10 Chinese (10CH1),

OR Teacher in Charge approval

Students will

- Study friends and family, shopping, school life, environment and health, weather, fashion and entertainment, media, travel and customs plus Year 10 topics

Cost includes annual subscription to Language Perfect and a workbook

NUMBER	NAME OF STANDARD	LEVEL / CREDITS		
AS90868	Demonstrate understanding of a variety of spoken Chinese texts on areas of most immediate relevance	1	5	E
AS90869	Give a spoken presentation in Chinese that communicates a personal response	1	4	I
AS90871	Demonstrate understanding of a variety of Chinese texts on areas of most immediate relevance	1	5	E
AS90872	Write a variety of text types in Chinese on areas of most immediate relevance	1	5	I
Internal Achievement Standards: 9		External Achievement Standards: 10		Total: 19

CHINESE – NCEA LEVEL 2 (12CH1)

Prerequisites

Approx Cost: \$60

At least 15 credits in Level 1 Chinese (11CH1),

OR Teacher in Charge approval

Students will

- Study self-introduction, city and environment, house and furniture, school life, health, entertainment, media, travel
- and customs

Cost includes annual subscription to Language Perfect and a workbook

NUMBER	NAME OF STANDARD / DOMAIN:	LEVEL / CREDITS		
AS91108	Demonstrate understanding of a variety of spoken Chinese texts on familiar matters	2	5	E
AS91110	Give a spoken presentation in Chinese that communicates information, ideas and opinions	2	4	I
AS91111	Demonstrate understanding of a variety of written and/or visual Chinese text(s) on familiar matters	2	5	E
AS91112	Write a variety of text types in Chinese to convey information, ideas, and opinions in genuine contexts	2	5	I
Internal Achievement Standards: 9		External Achievement Standards: 10		Total: 19

CHINESE – NCEA LEVEL 3 (13CH1)

University approved subject

Prerequisites**Approx Cost: \$65**At least 15 credits in Level 2 Chinese (12CH1),
OR Teacher in Charge approval

Students will

- Study school, social life, part-time jobs, young people and their world

Cost includes annual subscription to Language Perfect and a workbook**FRENCH – NCEA LEVEL 1 (11FR1)****Prerequisites****Approx Cost: \$65**A GPA of at least 50 in Year 10 French (10FR1),
OR Teacher in Charge approval

Students will

- Study daily activities, holidays, New Zealand, leisure and social activities, work, getting around town, shopping, health, solutions, memories of the past, ambitions for the future plus Year 9 and 10 topics

Cost includes annual subscription to Language Perfect and Tapis Volant Workbook

NUMBER	NAME OF STANDARD	LEVEL / CREDITS		
AS90878	Demonstrate understanding of a variety of spoken French texts on areas of most immediate relevance	1	5	E
AS90879	Give a spoken presentation in French that communicates a personal response	1	4	I
AS90881	Demonstrate understanding of a variety of French texts on areas of most immediate relevance	1	5	E
AS90882	Write a variety of text types in French on areas of most immediate relevance	1	5	I
Internal Achievement Standards: 9		External Achievement Standards: 10		Total: 19

FRENCH – NCEA LEVEL 2 (12FR1)**Prerequisites**

At least 15 credits in Level 1 French (11FR1),
OR Teacher in Charge approval

Approx Cost: \$65

Students will

- Study It's not easy being young, travel abroad and in New Zealand, health and the environment, the world of work, from the present to the past and selected literature and film studies

Cost includes annual subscription to Language Perfect and a workbook

NUMBER / DOMAIN	NAME OF STANDARD / DOMAIN:	LEVEL / CREDITS		
AS90395	Listen to and understand spoken French in less familiar contexts	2	6	E
AS90396	Give a prepared spoken presentation in French on a less familiar topic. Re-assessment is possible	2	3	I
AS90398	Read and understand written language in French in less familiar contexts.	2	6	E
AS904399	Write text in French on a less familiar topic	2	3	I
AS90400	Produce crafted writing in French on a less familiar topic with the support of resources	2	3	I
Internal Achievement Standards: 6		External Achievement Standards: 15		Total: 21

FRENCH – NCEA LEVEL 3 (13FR1)

University approved subject

Prerequisites

At least 15 credits in Level 2 French (12FR1),
OR Teacher in Charge approval

Approx Cost: \$55

Students will

- Study family, the future, sports and leisure, citizens of the world, culture and selected literature and film studies

Cost includes annual subscription to Language Perfect and a workbook

GERMAN – NCEA LEVEL 1 (11GM1)**Prerequisites**

A GPA of at least 50 in Year 10 German (10GM1),
OR Teacher in Charge approval

Approx Cost: \$25

Students will

- Study domestic chores, holiday accommodation, travelling, music, TV, films, problems, negotiations, accommodation, directions, daily routine, after-school activities plus Year 9 and 10 topics

Cost includes annual subscription to Language Perfect and a workbook

NUMBER	NAME OF STANDARD	LEVEL / CREDITS		
AS90884	Give a spoken presentation in German that communicates a personal response	1	4	I
AS90883	Demonstrate understanding of a variety of spoken German texts on areas of most immediate relevance	1	5	E
AS90886	Demonstrate understanding of a variety of German texts on areas of most immediate relevance	1	5	E
AS90887	Write a variety of text types in German on areas of most immediate relevance	1	5	I
Internal Achievement Standards: 8		External Achievement Standards: 10		Total: 19

GERMAN – NCEA LEVEL 2 (12GM1)

Prerequisites**Approx Cost: \$25**

At least 15 credits in Level 1 German (11GM1),
OR Teacher in Charge approval

Students will

- Study Our changing world, trends, leisure, my future, health and well-being, personal relationships, traditional stories, Switzerland/Austria

Cost includes annual subscription to Language Perfect and a workbook

NUMBER / DOMAIN	NAME OF STANDARD / DOMAIN:	LEVEL / CREDITS		
AS91123	Demonstrate understanding of a variety of spoken German texts on familiar matters	2	5	E
AS91125	Give a spoken presentation in German that communicates information, ideas and opinions	2	4	I
AS91126	Demonstrate understanding of a variety of written and/or visual text(s) on familiar matters	2	5	E
AS91127	Write a variety of text types in German to convey information, ideas and opinions in genuine contexts	2	5	I
Internal Achievement Standards: 9		External Achievement Standards: 10		Total: 19

GERMAN – NCEA LEVEL 3 (13GM1)

University approved subject

Prerequisites**Approx Cost: \$25**

At least 15 credits in Level 2 German (12GM1),
OR Teacher in Charge approval

Students will

- Study film, literature, pollution, fashion, social cohesion, a region of Germany, getting a job

Cost includes annual subscription to Language Perfect and a workbook

JAPANESE – NCEA LEVEL 1 (11JP1)**Prerequisites**

A GPA of at least 50 in Year 10 Japanese (10JP1),
OR Teacher in Charge approval

Approx Cost: \$35

Students will

- Study home and family, free time, shopping, health, school plus Year 10 topics

Cost includes annual subscription to Language Perfect and a workbook

NUMBER	NAME OF STANDARD	LEVEL / CREDITS		
AS90894	Give a spoken presentation in Japanese that communicates a personal response	1	4	I
AS90893	Demonstrate understanding of a variety of spoken Japanese texts on areas of most immediate relevance	1	5	E
AS90896	Demonstrate understanding of a variety of Japanese texts on areas of most immediate relevance	1	5	E
AS90897	Write a variety of text types in Japanese on areas of most immediate relevance	1	5	I
Internal Achievement Standards: 9		External Achievement Standards: 10		Total: 19

JAPANESE – NCEA LEVEL 2 (12JP1)**Prerequisites**

At least 15 credits in Level 1 Japanese (11JP1),
OR Teacher in Charge approval

Approx Cost: \$45

Students will

- Study family life, eating and drinking, schooling, leisure activities

Cost includes annual subscription to Language Perfect and a workbook

NUMBER / DOMAIN	NAME OF STANDARD / DOMAIN	LEVEL / CREDITS		
AS91133	Demonstrate understanding of a variety of spoken Japanese texts on familiar matters	2	5	E
AS91135	Give a spoken presentation in Japanese that communicates information, ideas and opinions	2	4	I
AS91136	Demonstrate understanding of a variety of written and/or visual Japanese text(s) on familiar matters	2	5	E
AS91137	Write a variety of text types in Japanese to convey information, ideas, and opinions in genuine contexts	2	5	I
Internal Achievement Standards: 9		External Achievement Standards: 10		Total: 19

JAPANESE – NCEA LEVEL 3 (13JP1)

University approved subject

Prerequisites

At least 15 credits in Level 2 Japanese (12JP1),
OR Teacher in Charge approval

Approx Cost: \$35

Students will

- Study leisure activities, land and people, Japan at work, communications and the media, travel and tourism

Cost includes annual subscription to Language Perfect and a workbook

ASDAN – NCEA LEVEL 1 (11AS4) ; NCEA LEVEL 2 (12AS4) AND NCEA LEVEL 3 (13AS4)**Prerequisites**

Level 2 and 3 Head of Department approval

Approx Cost: \$30

Course Information

This course involves a series of individual challenges or projects that are chosen, worked on and completed by the student. Teachers help, guide and encourage individual excellence. At all levels students produce a portfolio of work which is assessed at regional ASDAN meetings during the school year. The programme begins at Year 11 and continues to Year 13. Students select challenges from the ASDAN Award books that complement other programmes of study.

Students at Year 11 work on a Bronze Award first. When their presentation folder of challenges is completed they may work on Silver which has 20 Level 1 credit equivalents available. Students work at their own pace, alone or in groups.

Students at Year 12 may begin at Gold Award or work on Silver first. The Gold Award has 20 Level 2 credit equivalents available. Students work at their own pace, alone or in groups.

Students in Year 13 may work on either Gold (Level 2) or Platinum (Level 3) Awards. Each Award carries 20 credit equivalents. Students who are not familiar with self directed learning may find a Platinum Award very daunting.

Students may occasionally require materials from home, eg cooking ingredients.

ASDAN stands for "Award Scheme – Development and Accreditation Network".

An optional addition to this course is to attempt the functional numeracy and literacy Level 1 credits.

Note: Functional numeracy and literacy requires that students attain all of the 10 credits for literacy and all of the 10 credits for numeracy.

NUMBER	NAME OF STANDARD	LEVEL / CREDITS		
US26622-L	Write to communicate ideas for a purpose and audience	1	4	I
US26624-L	Read texts with understanding	1	3	I
US26625-L	Actively participate in spoken interactions	1	3	I
US26623-N	Use number to solve problems	1	4	I
US26626-N	Interpret statistical information for a purpose	1	3	I
US26627-N	Use measurement to solve problems	1	3	I
Unit Standards		Total: 20		

LEARNING SUPPORT – NCEA LEVEL 1 (11LS4), NCEA LEVEL 2 (12LS4) AND NCEA LEVEL 3 (13LS4)**Prerequisites**

Nil

Approx Cost: Nil

Course Information

Students who find a Learning Support course useful are:

- Those who need extra time to learn concepts or develop skills in their other subjects
- Those for whom the existing courses are not relevant
- Those who wish to undertake courses not available in the school which are more suited to their learning needs

The Learning Centre offers a range of alternative education options for students at all levels. An individual learning plan is developed in consultation with students, parents and teachers. Outside providers such as tertiary providers and the Correspondence School contribute to a wide range of alternative learning options.

MATHEMATICS 1 – NCEA LEVEL 1 (11MT1)**Prerequisites****Approx Cost: \$35**

At least 60% in Year 10 Mathematics end of year exam plus at least achieved in AS91026 (Number), AS91030 (Measurement) and AS91037 (Bivariate data),
OR Head of Department approval

Students will

- Be expected to have a good grounding in Mathematics at Levels 4 and 5 of the Mathematics curriculum

NUMBER	NAME OF STANDARD	LEVEL / CREDITS		
AS91027	Apply algebraic procedures in solving problems (CAT)	1	4	E
AS91028	Investigate relationships between tables, equations and graphs	1	4	E
AS91029	Apply linear algebra in solving problems	1	3	I
AS91031	Apply geometric reasoning in solving problems	1	4	E
AS91032	Apply right-angled triangles in solving measurement problems	1	3	I
AS91035	Investigate given multivariate data set using the statistical enquiry cycle	1	3	I
AS91037	Demonstrate understanding of chance and data	1	4	E
Internal Achievement Standards: 9		External Achievement Standards: 16		Total: 25

MATHEMATICS 1 – NCEA LEVEL 2 (12MT1)**12MT1 leads into 13 Calculus (13MC1) and/or 13 Statistics (13MS1)****Prerequisites****Approx Cost: \$50**

At least merit in AS91027 (Algebra), AS91028 (Graphs), AS91031 (Geometric Reasoning) and AS91037 (Chance and Data),
OR Head of Department approval

Students will

- Gain strength in Mathematics to enable them to proceed on to Calculus and/or Statistics at Level 3
- Note – Classes will be grouped according to ability. The number of topics and credits offered to each group will reflect the ability of the group.

NUMBER / DOMAIN	NAME OF STANDARD / DOMAIN:	LEVEL / CREDITS		
AS91256	Apply co-ordinate geometry methods in solving problems	2	2	I
AS91257	Apply graphical methods in solving problems	2	4	I
AS91261	Apply algebraic methods in solving problems	2	4	E
AS91262	Apply calculus methods in solving problems	2	5	E
AS91267	Apply probability methods in solving problems	2	4	E
AS91269	Apply systems of equations in solving problems	2	2	I
Internal Achievement Standards: 8		External Achievement Standards: 13		Total: 21

MATHEMATICS 2 – NCEA LEVEL 1 (11MT2)**11MT2 leads into 12 Statistics (12MS1)****Prerequisites****Approx Cost: \$35**

At least 40% in Year 10 Mathematics end of year exam and achieved in AS91026 (Number), AS91030 (Measurement), and AS91037 (Bivariate Data),
OR Head of Department approval

Students will

- Be Intending to proceed to university and require Mathematics for entry to their tertiary course but they may not necessarily require Mathematics in Year 13

NUMBER	NAME OF STANDARD	LEVEL / CREDITS		
AS91027	Apply algebraic procedures in solving problems (CAT)	1	4	E
AS91028	Investigate relationships between tables, equations and graphs	1	4	E
AS91029	Apply linear algebra in solving problems	1	3	I
AS91032	Apply right-angled triangles in solving measurement problems	1	3	I

AS91035	Investigate a given multivariate data set using the statistical enquiry cycle	1	3	I
AS91037	Demonstrate understanding of chance and data	1	4	E
AS91038	Investigate a situation involving elements of chance	1	3	I
Internal Achievement Standards: 12		External Achievement Standards: 12		Total: 24

MATHEMATICS 3 – NCEA LEVEL 1 (11MT3)

MATHEMATICS 4 – NCEA LEVEL 1 (11MT4)

Prerequisites

Nil

Approx Cost: \$35

These courses are designed for students struggling in Mathematics. Emphasis is placed on improving basic Mathematical skills and covering a wide range of topics necessary for everyday life application.

Note: This course will consist of a number of foundational achievement standards and/or unit standards which will allow students to gain the credits needed for the numeracy requirements for the NCEA Level 1 Certificate.

Students who perform very well in the 11MT3 course may be able to proceed to the 12MS1 Level 2 course.

The course will be drawn from the following standards.

NUMBER	NAME OF STANDARD	LEVEL / CREDITS		
AS91026	Apply numeric reasoning in solving problems	1	4	I
AS91027	Apply algebraic procedures in solving problems	1	4	E
AS91029	Apply linear algebra in solving problems	1	3	I
AS91030	Apply measurement in solving problems	1	3	I
AS91032	Apply right-angled triangles in solving problems	1	3	I
AS91033	Apply knowledge of geometric representations in solving problems	1	3	I
AS91034	Apply transformation geometry in solving problems	1	2	I
AS91035	Investigate a given multivariate data set using the statistical enquiry cycle	1	4	I
AS91036	Investigate bivariate numerical data using the statistical enquiry cycle	1	3	I
US26623	Use number to solve problems		4	I
US26626	Interpret statistical information for a purpose		3	I
US26627	Use measurement to solve problems		3	I
Internal Achievement Standards: 28		Internal Unit Standards: 10		External Achievement Standards: 4

MATHEMATICS 3 – NCEA LEVEL 2 (12MT3)

Prerequisites

Approx Cost: \$50

Students who took 11MT3 – Head of Department Approval

Students who took 11MT2: Achieved in AS91027 (Algebra), Graphs AS91028, Linear Algebra AS91029, AS91032 (Right-angled Triangles), AS91036 (Bivariate Data) and AS91037 (Chance and Data),

OR Head of Department approval

The course is designed for those students who successfully completed Level 1 Mathematics (11MT3) or Level 1 Mathematics (11MT2) and would like to study Mathematics at a much more demanding level.

The number of topics and credits offered to each group will reflect the ability of that group. It is not intended that this course would allow students to progress to Level 3 Statistics or Level 3 Calculus.

NUMBER / DOMAIN	NAME OF STANDARD	LEVEL / CREDITS		
AS91256	Apply co-ordinate geometry methods in solving problems	2	2	I
AS91257	Apply graphical methods in solving problems	2	4	I
AS91258	Apply sequences and series in solving problems	2	2	I
AS91260	Use networks in solving problems	2	2	I
AS91263	Design a questionnaire	2	3	I
AS91269	Apply systems of equations in solving problems	2	2	I
Internal Achievement Standards: 15		Total: 15		

CALCULUS – NCEA LEVEL 2 (12MC1)**Prerequisites****Approx Cost: \$50**

At least merit in AS91027 (Algebra), AS91028 (Graphs) and AS91031 (Geometric Reasoning),
OR Head of Department approval

Students will

- Gain strength in Mathematics to enable them to proceed on to Calculus at Level 3

NUMBER / DOMAIN	NAME OF STANDARD / DOMAIN:	LEVEL / CREDITS		
AS91256	Apply co-ordinate geometry methods in solving problems	2	2	I
AS91257	Apply graphical methods in solving problems	2	4	I
AS91259	Apply trigonometric relationships in solving problems	2	3	I
AS91261	Apply algebraic methods in solving problems	2	4	E
AS91262	Apply calculus methods in solving problems	2	5	E
AS91269	Apply systems of equations in solving problems	2	2	I
Internal Achievement Standards: 11		External Achievement Standards: 9		Total: 20

CALCULUS – NCEA LEVEL 3 (13MC1)

University approved subject

Prerequisites**Approx Cost: \$50**

At least achieved or better in Level 2 Mathematics (12MT1 and 12MC1) in AS91256, AS91257 and AS91269 and merit or better in AS91262

OR Head of Department approval

Course information

The course is for students who are intending to study Mathematics, Engineering or Architecture at tertiary level.

Note 1 – Classes will be grouped according to ability. This will determine which selection from the offered credits, are taught to each

Note 2 – The Unit Standards below are offered as alternative equivalents to the new Achieved Standards in the course (not stated here)

NUMBER / DOMAIN		NAME OF STANDARD / DOMAINS: ALGEBRA (AL), CALCULUS (CA), GEOMETRY (GE), TRIGONOMETRY (TR)	LEVEL / CREDITS		
US5265	CA	Differentiate functions and use differentiation to solve problems	3	6	I
US5267	AL	Use complex numbers to solve problems	3	3	I
US5268	TR	Manipulate trigonometric expressions, sketch graphs of trigonometric functions, and solve equations	3	4	I
US20660	CA	Use integral calculus to solve differential equation problems	3	2	I
US20661	GE	Sketch, describe and find equations of graphs	3	2	I
US20905	CA	Integrate functions and use integration to solve problems	3	5	I
Unit Standards: 22		Internal Achievement Standards: TBA	External Achievement Standards: TBA		

CALCULUS SCHOLARSHIP (13MCS)

University approved subject

Prerequisites**Approx Cost: \$55**

Open to the top students completing Mathematics 12MT1, 12MC1, 13MC1 or 13MS1

Students are identified by the Head of Department

Course Information

This course is designed for those students who intend proceeding to university study in Mathematics or Engineering

Note 1 – The Unit Standards below are offered as alternative equivalents to the new Achievement Standards in the course (not stated here)

Assessment

As per the Level 3 Calculus (13MC1) course plus extensive additional material.
Final external examination.

This course is a prerequisite for entry into the Scholarship examination

NUMBER / DOMAIN	NAME OF STANDARD / DOMAINS: ALGEBRA (AL), CALCULUS (CA), GEOMETRY (GE), TRIGONOMETRY (TR)	LEVEL	CREDITS	
US5265	CA	Differentiate functions and use differentiation to solve problems	3	6
US5267	AL	Use complex numbers to solve problems	3	3
US5268	TR	Manipulate trigonometric expressions, sketch graphs of trigonometric functions, and solve equations	3	4
US20660	CA	Use integral calculus to solve differential equation problems	3	2
US20661	GE	Sketch, describe and find equations of graphs	3	2
US20905	CA	Integrate functions and use integration to solve problems	3	5
Unit Standards: 22 Internal Achievement Standards: TBA External Achievement Standards: TBA				

STATISTICS – NCEA LEVEL 2 (12MS1)**Prerequisites**

Approx Cost: \$50

Students who took 11MT1: at least achieved in AS91027 (Algebra), AS91028 (Graphs), AS91031 (Geometric Reasoning) and AS91037 (Chance and Data),

OR students who took 11MT2: at least achieved in AS91027 (Algebra), AS91029 (Linear Algebra), AS91036 (Bivariate Data) and AS91037 (Chance and Data),

OR Head of Department approval

Course information

This course is designed for students who intend studying Statistics and Modelling in Year 13 and proceeding to study at university

NUMBER / DOMAIN	NAME OF STANDARD / DOMAIN:	LEVEL	CREDITS	
AS91260	Use networks in solving problems	2	2	
AS91263	Design a questionnaire	2	3	
AS91264	Use statistical methods to make an inference	2	4	
AS91267	Apply probability methods in solving problems	2	4	E
AS91268	Investigate a situation using a simulation	2	2	
AS91269	Apply systems of equations in solving problems	2	2	
Internal Achievement Standards: 13 External Achievement Standards: 4 Total: 17				

STATISTICS & MODELLING – NCEA LEVEL 3 (13MS1)**University approved subject****Prerequisites**

Approx Cost: \$50

From 12MT1, at least achieved or better in AS91257, AS91261, AS91269 and merit in AS91267 or from 12MS1, at least achieved in AS91260, AS91263, AS91264 and AS91269 and merit in AS91267,

OR Head of Department approval

Course information

The course is for students who are intending to study Commerce or Science at tertiary level.

Note 1 – Classes will be grouped according to ability. This will determine which selection from the offered credits, are taught to each group.

Note 2 – The Unit Standards below are offered as alternative equivalents to the new Achieved Standards in the course (not stated here).

NUMBER / DOMAIN	NAME OF STANDARD / DOMAINS: PROBABILITY (PR), STATISTICS (ST), ALGEBRA (AL)	LEVEL	CREDITS	
US5258	PR	Use expected values to solve problems	3	2
US5259	PR	Use probability models to solve problems	3	3
US5262	AL	Use linear systems to solve problems	3	2
US5264	AL	Use numerical methods to solve problems	3	3
Unit Standards: 10 Internal Achievement Standards: TBA External Achievement Standards: TBA				

STATISTICS AND MODELLING SCHOLARSHIP (13MSS)**University approved subject****Prerequisites**

Approx Cost: \$55

Open to the top students completing Mathematics 12MT1, 12MS1, 13MC1 or 13MS1

Students are identified by the Head of Department

Course Information

This course is designed for those students who are intending to study Statistics and Modelling, Commerce or Science at tertiary level.

Note 1 – The Unit Standards below are offered as alternative equivalents to the new Achievement Standards in the course (not stated here).

Assessment

As per the Level 3 Statistics and Modelling (13MS1) course plus extensive additional material.

Final external examination.

This course is a prerequisite for entry into the Scholarship examination

NUMBER / DOMAIN		NAME OF STANDARD / DOMAINS: PROBABILITY (PR), STATISTICS (ST), ALGEBRA (AL) MATHEMATICS (MA)	LEVEL / CREDITS		
US5258	PR	Use expected values to solve problems	3	2	I
US5259	PR	Use probability models to solve problems	3	3	I
US5262	AL	Use linear systems to solve problems	3	2	I
US5264	AL	Use numerical methods to solve problems	3	3	I
Unit Standards: 10 Internal Achievement Standards: TBA External Achievement Standards: TBA					

MEDIA STUDIES DEPARTMENT

The key concepts in Media Studies are:

Mediation – The meaning of texts is shaped by the interaction of media texts with audiences and social context.

Communication – Media products have distinctive ways of telling stories, particular narratives, and recognisable genres.

Creativity – Media creation incorporates vision, energy, critique, and reflection to produce artistic and aesthetic interpretations.

Media Studies is about the active exploration, analysis, creation, and enjoyment of the media and its products. It examines the dynamic of the **media in society**, how the media constructs messages about individuals, communities, and cultures and how media products are produced, controlled, and distributed. Through media studies students gain the knowledge and skills to conceive, plan, design and create their own media products.

MEDIA STUDIES – NCEA LEVEL 2 (12MD1)

Prerequisites

Approx Cost: Nil

At least 15 credits in Level 1 English which includes 4 credits from either AS90849 or AS90850. Any exceptions are at the discretion of HOD Media Studies.

Students will

- Examine how the media represents different groups of people
- Study a specific film genre
- Learn the skills of close reading of media texts so they can respond to the products of others as well as their own
- Apply the knowledge they have gained about media conventions and technology and plan and create their own media products

NUMBER / DOMAIN	NAME OF STANDARD / DOMAIN:	LEVEL / CREDITS
91249 MS	Demonstrate understanding of narrative in media texts	2 4 I
91250 MS	Demonstrate understanding of representation in the media	2 3 I
91251 MS	Demonstrate understanding of an aspect of a media genre	2 4 E
91252 MS	Produce a design and plan for a developed media product using a range of conventions	2 4 I
91253 MS	Complete a developed media product from a design and plan using a range of conventions	2 6 I
Internal Achievement Standards: 17		External Achievement Standards: 4
		Total: 21

MEDIA STUDIES – NCEA LEVEL 3 (13MD1)

University approved subject

Prerequisites

Approx Cost: \$5

At least 16 credits in Level 2 Media Studies (12MD1) which includes 4 credits from AS91251 and 6 credits from AS91253

OR (if Level 2 Media Studies not taken in previous year) at least 15 credits in Level 2 English, which includes 4 credits from either AS91099. Any exceptions are at the discretion of HOD Media Studies.

Students will

- Explore the meaning of media texts
- Analyse, in detail, a specific industry in the media
- Research a relevant media issue and its significance to New Zealand society
- Study a film genre and its links with society
- Apply the knowledge they have gained about media conventions and technology and plan, design and create their own production (documentary)



MUSIC – NCEA LEVEL 1 (11MU1)**Prerequisites****Approx Cost: Nil**

A GPA of at least 50 in Year 10 Music (10MU1)

OR Head of Department approval

A musical background in both performance and theory will have to be demonstrated

Students will

- Study performance, composition, aural analysis of music, score reading and musical knowledge. Two separate topics will be studied throughout the year

NUMBER	NAME OF STANDARD	LEVEL / CREDITS		
AS91090	Perform two pieces of music as a featured soloist	1	6	I
AS91091	Demonstrate ensemble skills through performing a piece of music as a member of a group	1	4	I
AS91092	Compose two original pieces of music	1	6	I
AS91093	Demonstrate aural and theoretical skills through transcription	1	4	E
AS91094-L	Demonstrate knowledge of conventions used in music scores	1	4	E
AS91095-L	Demonstrate knowledge of two music works from contrasting contexts	1	6	I
Internal Achievement Standards: 22		External Achievement Standards: 8		Total: 30

MUSIC – NCEA LEVEL 2 (12MU1)**University approved subject****Prerequisites****Approx Cost: Nil**

At least 16 credits in Level 1 Music (11MU1),

OR Head of Department approval

Evidence of a musical background in both performance and theory will have to be shown. Students must continue to have lessons on their major instrument and be part of a school music group approved by the Head of Music

Students will

- Study performance, composition, instrumentation, aural analysis of music, score reading and musical knowledge

NUMBER / DOMAIN	NAME OF STANDARD / DOMAIN:	LEVEL / CREDITS		
91270	MM Perform two substantial pieces of music as a featured soloist	2	6	I
91271	MM Compose 2 substantial pieces of music	2	6	I
91272	MM Demonstrate ensemble skills by performing substantial piece of music as a member of a group	2	4	I
91273	MS Devise an instrumentation for an ensemble	2	4	I
91274	MM Perform a substantial piece of music as a featured soloist on a second instrument (optional)	2	3	I
91275	MS Demonstrate aural understanding through written representation (optional)	3	4	E
91276	MS Demonstrate knowledge of conventions in a range of music scores	3	4	E
91277	MS Demonstrate understanding of two substantial contrasting music works (optional)	3	6	E
91278	MS Investigate an aspect of NZ music	2	4	I
Internal Achievement Standards: 27		External Achievement Standards: 14		Total: 41

MUSIC – NCEA LEVEL 3 (13MU1)**University approved subject****Prerequisites****Approx Cost: Nil**

At least 14 credits in Level 2 Music (12MU1),

OR Head of Department approval

Evidence of a musical background in both performance and theory will have to be shown. Students must continue to have lessons on their major instrument and be part of a school music group approved by the Head of Music

Students will

- Study performance, composition, arrangement, aural analysis of music, score reading and musical knowledge

DANCE – NCEA LEVEL 1 (11DN1)**Prerequisites****Approx Cost: \$25**

A GPA of at least 50 in Year 10 Dance (10DN1),

OR Head of Department approval

For students who did not study Dance in Year 10, selection through application and interview with Head of Department

Students will

- utilise dance elements and devices to compose and perform movement sequences in a variety of dance genres
- be introduced to the history and context of popular dance in the 20th century
- view and respond to dance performances

* While 28 credits are available in NCEA Level 1 Dance, students will complete either AS90005 or AS90860 to make up 24 credits

NUMBER	NAME OF STANDARD	LEVEL / CREDITS		
AS90002	Perform dance sequences	1	6	I
AS90005-L *	Demonstrate knowledge of a dance genre or style	1	4	E
AS90858	Compose dance sequences for given briefs	1	6	I
AS90859	Demonstrate ensemble skills in a dance	1	4	I
AS90860 –L *	Demonstrate understanding of the elements of dance	1	4	I
AS90861-L	Demonstrate understanding of a dance performance	1	4	E
While 28 credits are available in NCEA Level 1 Dance, students will complete either AS90005 or AS90860 to make up 24 credits				
Internal Achievement Standards: 20		External Achievement Standards: 8		Total: 28

DANCE – NCEA LEVEL 2 (12DN1)**Prerequisites****Approx Cost: \$25**

At least 14 credits in Level 1 Dance (11DN1), 4 of which must be from an external standard,

OR Head of Department approval

Students will

- choreograph group and solo dances from given and devised themes
- perform in a choreographed theatre dance work
- learn and perform an ethnic or social dance
- demonstrate knowledge of influences on a selected dance genre
- view and analyse dance performances

NUMBER / DOMAIN	NAME OF STANDARD / DOMAIN:	LEVEL / CREDITS		
AS91205	Choreograph a group dance to communicate an intention	2	4	I
AS91206	Choreograph a solo dance to communicate an intention	2	4	I
AS91207 **	Perform an ethnic or social dance to communicate an understanding of the style	2	4	I
AS91208	Perform in a theatre dance work to communicate an understanding of the dance	2	4	I
AS91029	Perform a repertoire of dance	2	6	I
AS91210 **	Demonstrate an understanding of choreographic processes	2	4	I
AS91211	Provide an understanding of a dance performance with supporting evidence	2	4	E
AS91212 **	Demonstrate understanding of a dance genre in context	2	4	E
** While there are a number of credits available, students will complete either 22 or 24 credits and will complete one of either AS91207, AS91210 or AS91212				
Internal Achievement Standards: 22		External Achievement Standards: 8		Total: 30

DANCE – NCEA LEVEL 3 (13DN1)**University approved subject****Prerequisites****Approx Cost: \$25**

At least 16 credits in Level 2 Dance (12DN1), 4 of which must be from an externally assessed achievement standard,

OR Head of Department approval

Students will

- produce a dance for performance using appropriate technologies
- perform in a choreographed group dance work to an audience
- demonstrate knowledge of the development of contemporary dance in Aotearoa
- critically analyse dance performances

DRAMA - NCEA LEVEL 1 (11DR1)**Prerequisites****Approx Cost: \$25**

A GPA of at least 50 in Year 10 Drama (10DR1),

For students who did not study Drama in Year 10, selection through application and interview with Head of Department

Students will

- Learn to use Drama elements and conventions to devise and create performances.
- Be introduced to theatre and attend at least one live theatre performance during the year
- Work towards a major class production in Term 3, which will be performed to family and friends at an evening performance

NUMBER	NAME OF STANDARD	LEVEL / CREDITS		
US26689	Demonstrate knowledge of costuming for a performance	1	3	I
AS90006-L	Apply drama techniques in a dramatic context	1	4	I
AS90009-L	Perform an acting role in a scripted production	1	5	I
AS90011-L	Demonstrate understanding of the use of drama aspects within live performance	1	4	E
AS90999-L	Select and use features of a drama/theatre form in a performance	1	4	I
AS90998-L	Demonstrate understanding of features of a drama/theatre form	1	4	E
Internal Achievement Standards: 16		External Achievement Standards: 8		Total: 24

DRAMA – NCEA LEVEL 2 (12DR1)**Prerequisites****Approx Cost: \$25**

At least 12 credits in Level 1 Drama (11DR1),

OR Head of Department approval

Students will

- Learn to use Drama techniques in improvised situations.
- Explore contemporary theatre practitioners, with particular reference to Stanislavski and will attend at least 3 live theatre performances
- Present a major class production in term three, which will be performed to family and friends at an evening performance

NUMBER / DOMAIN	NAME OF STANDARD / DOMAIN:	LEVEL / CREDITS		
91213 2.1	Apply drama techniques in a scripted context	2	4	I
91214 2.2	Devise and perform a drama to realise an intention	2	5	I
91215 2.3	Discuss a drama or theatre form or period with reference to a text	2	4	E
91218 2.6	Perform a substantial acting role in a scripted production	2	5	I
91219 2.7	Discuss drama elements, techniques, conventions and technologies within live performance	2	4	E
Internal Achievement Standards: 14		External Achievement Standards: 8		Total: 22

DRAMA – NCEA LEVEL 3 (13DR1)**University approved subject****Prerequisites****Approx Cost: \$25**

At least 14 credits in Level 2 Drama (12DR1),

OR Head of Department approval

Students will

- Study New Zealand drama, work on devised theatre pieces and critically analyse live theatre
- Undertake a major performance role in a full class production, which will be performed to family and friends
- Attend at least 3 live performances through the year

OUTDOOR EDUCATION - NCEA LEVEL 2 (12OE3)

Prerequisites

Approx Cost: \$650

A GPA of at least 60 in Year 10 Outdoor Education (10OE1) and paid 10OE1 subject fee in full
OR Head of Department approval

Students will

- Continue a progression from Year 10
- Be provided with the opportunity for personal and social development. This includes group cooperation, safety knowledge outdoors, coping with adversity and leadership
-

NUMBER / DOMAIN	NAME OF STANDARD / DOMAIN:	LEVEL / CREDITS		
AS91333	Analyse the application risk management strategies to a challenging outdoor activity	2	3	I
AS91336	Analyse group processes in physical activity	2	3	I
US467	Demonstrate personal and social development through participation in adventure based learning	2	3	I
US470	Demonstrate group and personal skills using the low elements of a ropes course	2	3	I
US473	Demonstrate group and personal skills using the high elements of a ropes course	2	3	I
US20138	Select, set up and maintain a mountain bike	2	3	I
US20137	Mountain bike on easy to intermediate terrain	1	1	I
US457	Mountain bike on intermediate to expert terrain	2	2	I
US425	Experience day tramps	2	3	I
US426	Experience camping	2	3	I
Internal Achievement Standards: 27 (Credits at Level 1 = 1 / Credits at Level 2 = 26)		External Achievement Standards: Nil		Total: 27

OUTDOOR EDUCATION – NCEA LEVEL 3 (13OE2)

Prerequisites

Approx Cost: \$850

At least 18 credits in Level 2 Outdoor Education (12OE4) and achieved in US20137, US473 and paid 12OE3 subject fee in full,
OR Head of Department approval

Students will

- Develop their skills in communication, become an active member of a group, a participant rather than a passenger
- Strengthen their planning skills, leadership skills, problem solving ability, self esteem and safety management



PE PERFORMANCE – OUTDOOR EDUCATION – NCEA LEVEL 1 (11PO1)

Prerequisites

Approx Cost: \$150

Students apply to the Head of Department for admission. The HOD's decision will depend on the student's punctuality to lessons during lessons, having the correct gear for lessons and demonstrated willingness to learn and extend themselves in Year 10 Physical Education (10OE1) and Year 10 Physical Education (10PE1)

Students will

- Be introduced to concepts in understanding physical education, participation and performance in outdoor pursuits and how health and well-being can benefit from physical activity.

NUMBER	NAME OF STANDARD	LEVEL / CREDITS		
90963	Demonstrate understanding of the function of the body as it relates to the performance of physical activity	1	5	I
90964	Demonstrate quality movement in the performance of a physical activity	1	3	I
90965	Demonstrate understanding of societal influences on physical activity and the implications of self and others	1	4	I
90966	Demonstrate interpersonal skills in a group and explain how these skills impact on others	1	4	I
90968	Demonstrate and show understanding of responsible behaviour for safety during outdoor education activities	1	3	I
Internal Achievement Standards: 19		Total: 19		

PE PERFORMANCE - NCEA LEVEL 1 (11PF1)

Prerequisites

Approx Cost: \$30

Students apply to the Head of Department for admission. The HOD's decision will depend on the student's punctuality to lessons during lessons, having the correct gear for lessons and demonstrated willingness to learn and extend themselves in Year 10 Physical Education (10PE1)

Students will

- Be introduced to concepts in understanding physical education, participation and performance in sport and how health and well-being can benefit from physical activity

NUMBER	NAME OF STANDARD	LEVEL / CREDITS		
AS90962	Participate actively in a variety of physical activities and explain factors that influence own participation	1	5	I
AS90963-L	Demonstrate understanding of the function of the body as it relates to the performance of physical activity	1	5	I
AS90964	Demonstrate quality movement in the performance of a physical activity	1	3	I
AS90965-L	Demonstrate understanding of societal influences on physical activity and the implications for self and others	1	4	I
AS90966	Demonstrate interpersonal skills in a group and explain how these skills impact on others	1	4	I
Internal Achievement Standards: 21		Total: 21		

Note: All Physical Education courses are internally assessed

PE PERFORMANCE– NCEA LEVEL 2 (12PF1)

Prerequisites

Approx Cost: \$30

At least 16 credits in Level 1 PE Performance (11PF1) including achieved or better in AS90963, OR Head of Department approval

Course Information

This course is designed to further extend your knowledge and understanding of physical education concepts. These include the importance of physical activity in our daily lives, the significance of physical activity in society and understanding biophysical principles

Students will

- Study the development of specific sports skills, analysis of anatomy, biomechanics and physiology of the body, as well as investigating issues, injuries and culture within sport

NUMBER / DOMAIN	NAME OF STANDARD / DOMAIN:	LEVEL / CREDITS		
AS91327 2.1	Examine the role and significance of physical activity in the lives of young people in New Zealand	2	3	I
AS91328 2.2	Demonstrate understanding of how and why biophysical principles relate to the learning of physical skills	2	5	I
AS91329 2.3	Demonstrate understanding of the application of biophysical principles to training for physical activity	2	4	I
AS91330 2.4	Perform a physical activity in an applied setting	2	4	I
AS91335 2.9	Examine the implementation and outcome(s) of a physical activity event or opportunity	2	3	I
Internal Achievement Standards: 19		External Achievement Standards: Nil		Total: 19

PE PERFORMANCE – NCEA LEVEL 3 (13PF1)

University approved subject

Prerequisites

Approx Cost: \$140

At least 15 credits in Level 2 PE Performance (12PF1) and achieved or better in AS91328,
OR Head of Department approval

Students will be involved in three areas of study

- Conduct a research project and encourage participation of the junior school in Physical Education
- Plan and participate in a fitness programme
- Conduct a biomechanical analysis of the golf swing

PE LIFESTYLES – NCEA LEVEL 1 (11PL2)

Prerequisites

Approx Cost: \$10

Students apply to the Head of Department for admission. The HOD's decision will depend on the student's punctuality to lessons, attitude during lessons, having the correct gear for lessons and demonstrated willingness to learn and extend themselves in Year 10 Physical Education (10PE1).

NB: Students cannot take both PE Performance and PE Lifestyles

Students will

- Experience a variety of physical activities.
- Be required to demonstrate and analyse their quality of movement and demonstrate scientific knowledge about exercise and physical activity

NUMBER	NAME OF STANDARD	LEVEL / CREDITS		
AS90962	Participate actively in a variety of physical activities and explain factors that influence own participation	1	5	I
AS90964	Demonstrate quality movement in the performance of a physical activity	1	3	I
AS90966	Demonstrate interpersonal skills in a group and explain how these skills impact on others	1	4	I
AS90970-L	Demonstrate self management strategies and describe the effects on participation in physical activity	1	3	I
Internal Achievement Standards: 15		Total: 15		

SPORTS LEADERSHIP - NCEA LEVEL 2 (12SL4)

Prerequisites

Approx Cost: \$60

At least 10 Achievement Standard credits in any Level 1 Physical Education course
OR Head of Department approval

Students will

- Be put in leadership situations including a teaching experience at a local primary school
- Study units in fitness, building to a 10km run, sports injuries and an outdoor experience in kayaking
- Study units from the Manukau Institute of Technology in the course

NUMBER / DOMAIN	NAME OF STANDARD / DOMAIN:	LEVEL / CREDITS		
US505	Manage personal physical fitness with guidance	1	3	I
US467	Demonstrate personal and social development through participation in adventure based learning	2	3	I
US12538	Demonstrate leadership in physical activity	2	3	I
US21649	Apply knowledge of basic anatomy to the Sport performance of sport skills	2	3	I
US22770	Demonstrate knowledge of sports coaching, the coaching environment and sport participants' needs	2	4	I
Internal Achievement Standards: 16		External Achievement Standards: Nil		Total: 16

SPORTS COACHING– NCEA LEVEL 3 (13SC4)

Prerequisites

Approx Cost: \$20

At least 5 credits in Level 2 PE Performance (12PF1),

OR 10 credits in Sports Leadership (12SL4) with achieved in US12538, US22770, US21649 and US505
OR Head of Department approval

Students will

- Be given basic knowledge to assist in coaching a team
- Coach a team and organise the school cross-country event
- Be introduced to the fitness instructor role in a gymnasium

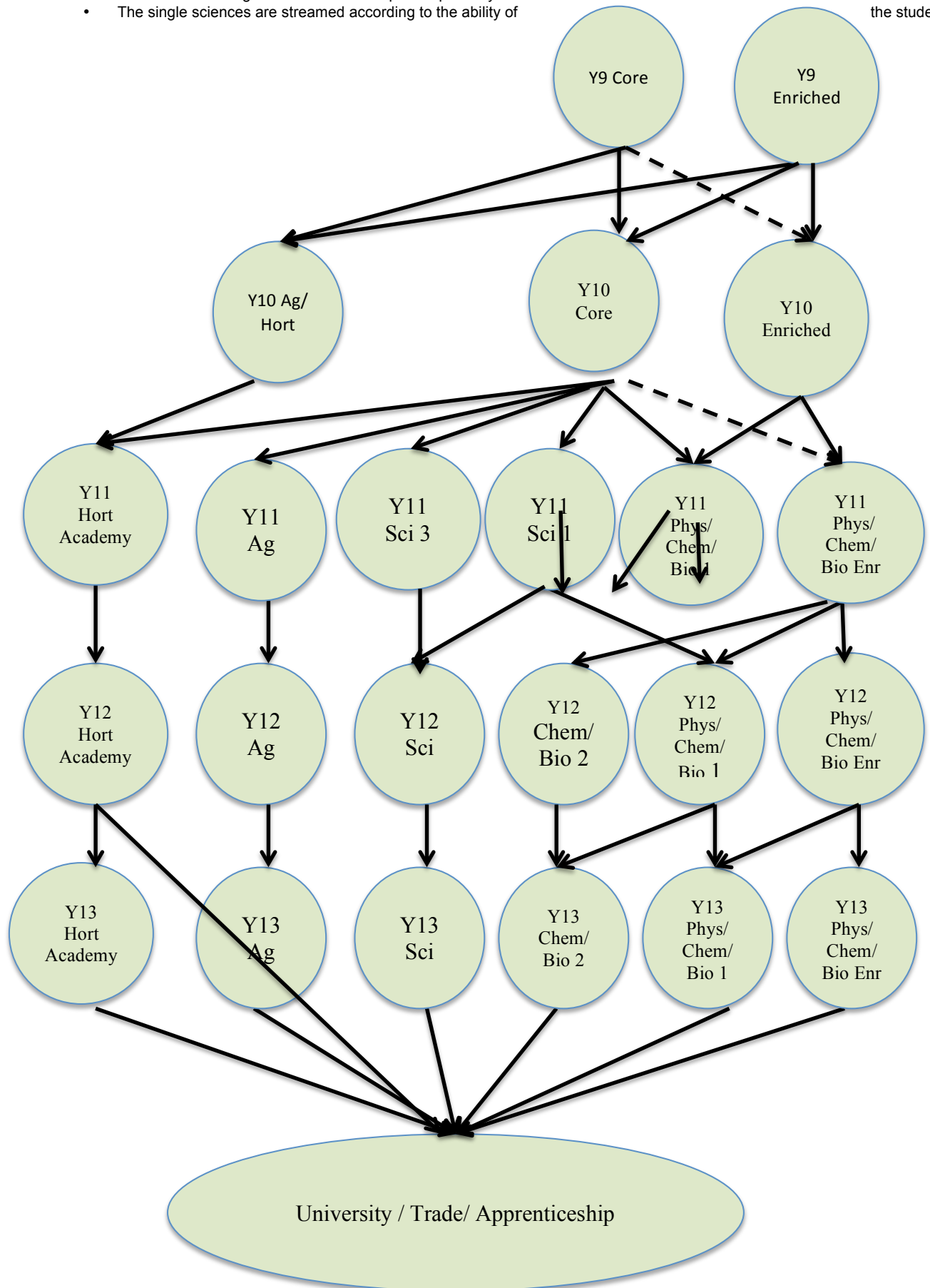
NUMBER / DOMAIN	NAME OF STANDARD / DOMAIN: CORE HEALTH (CH), EXERCISE PRESCRIPTION (EP), RECREATION PROGRAMMES AND EVENTS (RP), SPORT TEACHING & COACHING (SC)		LEVEL / CREDITS		
US22768	SC	Conduct and review a beginner level coaching session	3	6	I
US22771	SC	Plan a beginner level coaching session for sport participants	3	4	I
US6400	CH	Manage first aid in emergency situations	3	2	I
US6401	CH	Provide first aid	2	1	I
US6402	CH	Provide resuscitation level 2	1	1	I
US7021	EP	Demonstrate exercise techniques	3	8	I
US21414	RP	Plan and run a recreation activity	3	4	I
Unit Standards: 26			Total: 26		

Guidance for selecting science courses in Y11

- Students are encouraged to study at least one Science subject.

- Please see the diagram below for the expected pathways in Science.
- The single sciences are streamed according to the ability of

the student.



Calculating GPA for Science Courses

Some Science courses require you to have a minimum GPA. This is how you calculate your Science GPA.

Each Achievement standard generates points:

Grade in External exam x No Credits for that standard = Unit's Points.

E = 4, M = 3, A = 2, N = 0

Add together all the Unit points for your course. = course points

GPA = $\frac{\text{Course points}}{\text{Total possible course points}} \times 100$

AGRICULTURAL SCIENCE - NCEA LEVEL 1 (11AG4)

Prerequisites

Approx Cost: \$40

A GPA of at least 50 in Year 10 Agricultural Science (10AG1),
OR a GPA of at least 45 in Year 10 Science (10SI1) and Year 10 English (10EN1),
OR Head of Department approval

Students must be able to demonstrate the ability to listen and follow instructions for the safety of all students, staff and visitors. Places limited. Meeting the prerequisite does not guarantee a place on the course

Students will

- Develop an understanding of agriculture with a sound foundation in theoretical and practical aspects
- Gain extensive experience on the school farm
- Gain credits towards three qualifications: NCEA Level 1, The National Certificate in Agriculture (Introductory Skills) and National Certificate in Agriculture Level 2 with strands in cattle farming. In order to be awarded the last two certificates students need to study Agriculture Science at Levels 1, 2 and 3
- Study Soils, Health and Safety, Rural Water Reticulation, Livestock Handling, Agrichemicals, Livestock Breeds, Classes Identification, Tractors, Fencing

NUMBER	NAME OF STANDARD	LEVEL / CREDITS		
US31	Connect up, and perform repairs and maintenance on an on-farm water supply system	1	2	1
US497	Demonstrate knowledge of workplace health and safety requirements	1	3	1
US561	Install, dismantle, and store temporary electric fences	1	2	1
US19044	Describe the legal requirements and occupational hazards associated with tractor use	1	2	1
US21554	Demonstrate knowledge of safety with agrichemicals	1	3	1
US24542	Demonstrate knowledge of the impact of an agriculture system on soils	1	3	1
US24552	Check and drive a basic wheel tractor with an attached implement on flat terrain	1	5	1
US24620	Describe the safe handling of cattle in yards	1	5	1
US24623	Demonstrate knowledge of breeds and classes of cattle, and identification and records for cattle	1	2	1
US24832	Open and draw out a coil of wire, tie knots, join wire and prepare wire for transport and storage	1	5	1
US24833	Identify and maintain fencing tools and equipment, and identify fencing construction materials and wire types	1	3	1
Unit Standards		Total: 35		

AGRICULTURAL SCIENCE – NCEA LEVEL 2 (12AG4)

Prerequisites

Approx Cost: \$40

Students must have studied Level 1 Agricultural Science (11AG4)
At least 16 unit standard credits in 11 Agricultural Science (11AG4),
OR Head of Department approval

Students will

- Develop an understanding of agricultural management practice with a sound foundation in theoretical and practical aspects intended for students who may wish to pursue a career in the agricultural industry
- Gain extensive experience on the school farm
- Gain credits towards three qualifications: NCEA Level 2, The National Certificate in Agriculture (Introductory Skills) and National Certificate in Agriculture Level 2 with strands in cattle farming. In order to be awarded the last two certificates students need to study Agriculture Science at Levels 1, 2 and 3

AGRICULTURAL SCIENCE – NCEA LEVEL 3 (13AG4)

Prerequisites

Approx Cost: \$40

Students must have studied 12 Agricultural Science (12AG4)
At least 18 unit standard credits in 12 Agricultural Science (12AG4)

Students will

- Develop an understanding of integrated agricultural management with a sound foundation in theoretical and practical aspects
- Need to demonstrate their understanding of the practical implications in a New Zealand commercial farming context. The course is intended for students who may wish to pursue a career in the agricultural industry

- Gain extensive experience on the school farm
- Work towards their National Certificate in Agriculture (Introductory Skills) and the National Certificate in Agriculture Level 2 with strands in cattle farming as well as gaining credits towards NCEA Level 3

NUMBER / DOMAIN		NAME OF STANDARD / DOMAIN: FARMING SKILLS (FS), SHEEP FARMING (SF), FENCING (F), AGRICULTURAL VEHICLES AND MACHINERY (VM), CATTLE FARMING (CF)	LEVEL / CREDITS		
US18	FS	Demonstrate knowledge of animal anatomy and physiology	3	4	I
US31	FS	Connect up, and perform repairs and maintenance on an on-farm water supply system	3	2	I
US572	F	Demonstrate knowledge of electric fencing components and systems	3	5	I
US10082	CF	Demonstrate knowledge of rearing weaner or replacement cattle	3	4	I
US19075	CF	Demonstrate knowledge of calving, and associated diseases and health disorders	3	3	I
US19086	CF	Demonstrate knowledge of cattle reproductive organs, cycles, and processes	3	7	I
US19112	FS	Check and report on livestock	3	4	I
US19115	FS	Handle and move livestock	3	6	I
US19116	FS	Demonstrate knowledge of livestock behaviour and animal welfare	3	2	I
US24554	VM	Ride an All Terrain Vehicle (ATV) on flat terrain	3	4	I
US24619	CF	Handle and treat cattle	1	6	I
Unit Standards: 47			Total: 47		

BIOLOGY ENRICHED - NCEA LEVEL 1 (11BIE)

Prerequisites

Approx Cost: \$55

Excellence in Year 10 Biology, merit in Chemistry and achieved in all other science units
OR Head of Department approval

Students will

- Study living things in their environment
- Study the structure and function of plants and mammals
- Carry out practical investigations and research the links between biology and modern technology

The course includes Level 2 credits and prepares students for the Scholarship Biology programme in Years 12 and 13

NUMBER	NAME OF STANDARD	LEVEL / CREDITS		
AS90926	Report on a biological issues	1	3	I
AS90928	Demonstrate understanding of biological ideas relating to the life cycle of flowering plants	1	4	E
AS90929	Demonstrate understanding of biological ideas relating to a mammal as a consumer	1	3	E
AS90949	Investigate life processes and environmental factors that affect them	1	4	I
AS91157	Demonstrate understanding of genetic variation and change	2	4	E
Internal Achievement Standards: 7		External Achievement Standards: 11		Total: 18

BIOLOGY ENRICHED - NCEA LEVEL 2 (12BIE)

Prerequisites

Approx Cost: \$50

A GPA of at least 60 in Year 11 Biology (11BIA)

Course Information

This is a rigorously academic course designed to extend the able student. Level 3 processes leading to evolution is studied in this course. This course is endorseable and is a university approved course.

NUMBER		NAME OF STANDARD / DOMAIN:	LEVEL / CREDITS		
2.3	Bio	Demonstrate understanding of adaptation of plants or animals to their way of life	2	3	I
2.4	Bio	Demonstrate understanding of life processes at the cellular level	2	4	E
2.6	Bio	Investigate a pattern in an ecological community, with supervision	2	4	I
2.7	Bio	Demonstrate understanding of gene expression	2	4	E
3.5	Bio	Demonstrate understanding of evolutionary processes leading to speciation	3	4	E
Internal Achievement Standards: 7		External Achievement Standards: 12	Total: 19		



BIOLOGY – NCEA LEVEL 1 (11BI1)

Prerequisites

Approx Cost: \$40

Merit in Year 10 Biology and achieved in all other science units.

Students will

- Study living things in their environment
- Study the structure and function of plants, human organ systems and micro-organisms.
- Carry out practical investigations and research the links between biology and modern technology

Achievement in Level 1 Biology can lead on to further study in Biology or Environmental Science

NUMBER	NAME OF STANDARD	LEVEL / CREDITS		
AS90926-L	Report on a biological issues	1	3	I
AS90927-L	Demonstrate understanding of biological ideas relating to micro-organisms	1	4	E
AS90928-L	Demonstrate understanding of biological ideas relating to the life cycle of flowering plants	1	4	E
AS90929-L	Demonstrate understanding of biological ideas relating to a mammal as a consumer	1	3	E
AS90948	Demonstrate understanding of biological ideas relating to genetic variation	1	4	E
AS90949	Investigate life processes and environmental factors that affect them	1	4	I
Internal Achievement Standards: 7		External Achievement Standards: 15		Total: 22

BIOLOGY – NCEA LEVEL 2 (12BI1)

Prerequisites

Approx Cost: \$50

A GPA of at least 50 in Year 11 Biology (11BI1)

Course Information

This is a rigorously academic course, which covers all the Level 2 achievement standards. This course is endorseable and is a university approved course.

NUMBER		NAME OF STANDARD / DOMAIN:	LEVEL / CREDITS		
2.3	Bio	Demonstrate understanding of adaptation of plants or animals to their way of life	2	3	I

2.4	Bio	Demonstrate understanding of life processes at the cellular level	2	4	E
2.5	Bio	Demonstrate understanding of genetic variation and change	2	4	E
2.6	Bio	Investigate a pattern in an ecological community, with supervision	2	4	I
2.7	Bio	Demonstrate understanding of gene expression	2	4	E
Internal Achievement Standards: 7			External Achievement Standards: 12		Total: 19

BIOLOGY – NCEA LEVEL 3 (13BI1)

Prerequisites

A GPA of at least 50 in Year 12 Biology (12BI1)

Approx Cost: \$50

Course Information

This is a rigorously academic course, which covers all the Level 2 achievement standards. This course is endorseable and is a university approved course.

BIOLOGY – NCEA LEVEL 2 (12BI2)

Prerequisites

A GPA of at least 40 in Year 11 Science or Biology 1 (11BI1)

Approx Cost: \$50

Course Information

This course is for those students who struggle with the more abstract concepts in Biology. One less standard is covered over the year when compared with BI1. This allows more time to be spent on the existing standards. This course is endorseable and is a university approved course.

NUMBER	NAME OF STANDARD / DOMAIN:		LEVEL / CREDITS		
2.3	Bio	Demonstrate understanding of adaptation of plants or animals to their way of life	2	3	I
2.5	Bio	Demonstrate understanding of genetic variation and change	2	4	E
2.6	Bio	Investigate a pattern in an ecological community, with supervision	2	4	I
2.7	Bio	Demonstrate understanding of gene expression	2	4	E
Internal Achievement Standards: 7			External Achievement Standards: 8		Total: 15

BIOLOGY – NCEA LEVEL 3 (13BI2)

Prerequisites

A GPA of at least 40 in Year 12 Biology 1 (12BI1) or 2 (12BI2)

Approx Cost: \$50

Course Information

This course is for those students who struggle with the more abstract concepts in Biology. One less standard is covered over the year when compared with BI1. This allows more time to be spent on the existing standards. This course is endorseable and is a university approved course.

CHEMISTRY ENRICHED - NCEA LEVEL 1 (11CME)

Prerequisites

Excellence in Chemistry at year 10, merit in all other Science topics
OR Head of Department approval

Approx Cost: \$30

Students will

- Study the behaviour of matter. It is a practical based study covering the main topics of laboratory techniques, atomic structure and bonding, metals and their compounds, chemical reactions (types, simple calculations, identifying ions), organic chemistry – studied at Levels 1 & 2 and includes hydrocarbons, alcohols, carboxylic acids esters and soaps

NUMBER	NAME OF STANDARD		LEVEL / CREDITS		
AS90930-N	Carry out a practical chemistry investigation, with direction		1	4	I
AS90931-L	Demonstrate understanding of the chemistry in a technological application		1	2	I
AS90932	Demonstrate understanding of aspects of carbon chemistry		1	4	E
AS90933	Demonstrate understanding of aspects of selected elements		1	4	E
AS90934	Demonstrate understanding of aspects of chemical reactions		1	4	E

Chem 2.5	Describe the structural formulae and reactions of compounds containing selected organic functional groups	2	4	E
Internal Achievement Standards: 6		External Achievement Standards: 20		Total: 22

CHEMISTRY ENRICHED - NCEA LEVEL 2 (12CME)

Prerequisites

Approx Cost: \$30

A GPA of at least 60 in Year 11 Chemistry (11CMA)

Course Information

This is a rigorously academic course designed to extend the able student. Level 3 Organic Chemistry is studied during this course. This course is endorseable and will lead into Y13 CMA which is a university approved course.

NUMBER / DOMAIN	NAME OF STANDARD / DOMAIN:	LEVEL / CREDITS		
91161	Carry out quantitative analysis	2	4	E
91162	Carry out procedures to identify ions present in solution	2	3	I
91164	Demonstrate understanding of bonding, structure, properties and energy changes	2	5	E
91166	Describe thermochemical and equilibrium principles	2	4	E
91167	Describe oxidation-reduction reactions	2	3	I
90698	Describe aspect of organic chemistry	3	5	E
Internal Achievement Standards: 6		External Achievement Standards: 18		Total: 24

CHEMISTRY – NCEA LEVEL 1 (11CM1)

Prerequisites

Approx Cost: \$30

At least merit in Chemistry at Year 10 and achieved in all other Science topics

OR Head of Department approval

Students will

- Study the behaviour of matter in a practical based course
- Study laboratory techniques, atomic structure and bonding, elements, compounds and bonding, metals and their compounds, chemical reactions (types, simple calculations, identifying ions), organic chemistry (hydrocarbons, alcohols, carboxylic acids)

NUMBER	NAME OF STANDARD	LEVEL / CREDITS		
AS90930-N	Carry out a practical chemistry investigation, with direction	1	4	I
AS90931-L	Demonstrate understanding of the chemistry in a technological application	1	2	I
AS90932	Demonstrate understanding of aspects of carbon chemistry	1	4	E
AS90933	Demonstrate understanding of aspects of selected elements	1	4	E

AS90934	Demonstrate understanding of aspects of chemical reactions	1	4	E
AS90944	Demonstrate understanding of aspects of acids and bases	1	4	E
Internal Achievement Standards: 6		External Achievement Standards: 16		Total: 22

CHEMISTRY – NCEA LEVEL 2 (12CM1)

Prerequisites

Approx Cost: \$30

A GPA of at least 40 in Year 11 Chemistry (11CM1)

OR Head of Department approval

This is a rigorously academic course, which covers all the Level 2 Achievement Standards. This course is endorseable and will lead into Year 13 CM1 which is a university approved course.

NUMBER / DOMAIN	NAME OF STANDARD / DOMAIN:	LEVEL / CREDITS		
91161	Carry out a quantitative analysis	2	4	I
91162	Carry out procedures to identify ions present in solution	2	3	I
91164	Demonstrate an understanding of bonding structures, properties and energy changes	2	5	E
91165	Demonstrate understanding of the properties of selected organic compounds	2	4	E
91166	Describe thermochemical and equilibrium principles	2	4	E
91167	Describe oxidation-reduction reactions	2	3	I
Internal Achievement Standards: 10		External Achievement Standards: 13		Total: 23

CHEMISTRY – NCEA LEVEL 3 (13CM1)

University approved subject

Prerequisites

Approx Cost: \$30

A GPA of at least 50 in Year 12 Chemistry (12CM1)

OR Head of Department approval

This is a rigorously academic course, which covers all the Level 3 Achievement Standards. This course is endorseable and is a university approved course.

CHEMISTRY – NCEA LEVEL 2 (12CM2)

Prerequisites

Approx Cost: \$30

A GPA of at least 30 in Year 11 Science or Chemistry 1 (11CM1)

OR Head of Department approval

This course is for those students who struggle with the more abstract and mathematical concepts in Chemistry. One less standard is covered over the year when compared with CM1. This allows more time to be spent on the existing standards. This course is endorseable and will lead into Year 13 CM2 which is a university approved course.

NUMBER / DOMAIN	NAME OF STANDARD / DOMAIN:	LEVEL / CREDITS		
91161	Carry out quantitative analysis	2	4	I
91162	Carry out procedures to identify ions present in solution	2	3	I
91164	Demonstrate understanding of bonding, structure, properties and energy changes	2	5	E
91165	Demonstrate understanding of the properties of selected organic compounds	2	4	E
91167	Describe oxidation-reduction reactions	2	3	I
Internal Achievement Standards: 10		External Achievement Standards: 9		Total: 19

CHEMISTRY – NCEA LEVEL 3 (13CM2)

Prerequisites

A GPA of at least 40 in Year 12 Chemistry 1 or 2

Approx Cost: \$30

This course is for those students who struggle with the more abstract and mathematical concepts in Chemistry. One less standard is covered over the year when compared with CM1. This allows more time to be spent on the existing standards. This course is endorseable and will lead into Year 13 CM2 which is a university approved course.

ELECTRONICS – NCEA LEVEL 2 (12EL4)

Prerequisites

At least 10 credits in Level 1 Science (11SI1), with achieved or better in AS90940
 OR at least 9 credits in Level 1 Physics (11PY1), with achieved or better in AS90937
 OR Head of Department approval
Open to Year 12 and 13 students only

Approx Cost: \$25

Electronics is the study and design of control, communication and computing devices that depend on electricity in circuits that contain different components.

Students will

- Gain an understanding of electronics, including how to construct electronic circuits
- Be introduced to electrical and electronic components and systems
- Develop skills in soldering and circuit construction and gain an understanding of what is happening
- Design and make useful electronic products, such as alarms
- Gain credits towards the National Certificate in Electronic Technology Level 2 as well as NCEA Level 2

HORTICULTURAL ACADEMY – NCEA LEVEL 1 (11HR4)

Choosing Year 11 horticulture is a career pathway to an apprenticeship at the end of Year 13. People choosing this option must be serious about entering this profession. Places are limited and candidates will be interviewed to determine suitability.

The course is controlled and funded by The New Primary Industries Trade Academy. There will be a minimum of 15 Visits over the year to various horticultural establishments to gain experience in a commercial environment.

Prerequisites

Head of Department interview

NUMBER / DOMAIN	NAME OF STANDARD / DOMAIN:	LEVEL / CREDITS
26969	Hort Demonstrate knowledge of the New Zealand primary sectors.	1 3 I
19137	Hort Describe the opportunities, advantages and disadvantages of rural employment	1 2 I
19139	Hort Gather and record information from a rain gauge thermometer and barometer, or weather station.	1 1 I
497	Hort Health and safety	1 3 I
23780	Hort Undertake general garden maintenance	1 5 I
23783	Hort Grow and maintain plants in containers from seed.	1 5 I
AS90169	Hort Demonstrate knowledge of the impact of primary producing management practices on the environment.	1 3 I
AS90157	Hort Demonstrate practical skills used in horticultural production	1 4 I
Internal Achievement Standards: 26 External Achievement Standards: 0 Total: 26		

HORTICULTURAL SCIENCE – NCEA LEVEL 2 (12HR1)**Prerequisites**

Approx Cost: \$40

At least 10 credits in Level 1 Horticulture (11HR1),
OR at least 10 credits in Biology (11BI1) including AS90167,
OR Head of Department approval

Students will

- Gain fundamental horticultural knowledge and essential skills in plant propagation with a focus on production methods manipulating the growth and development of plants
- Gain valuable industry experiences in relevant tasks and techniques and have an opportunity to build up industry credits towards a national certificate in horticulture
- Build on the knowledge they have gained in Level 1 and provide a sound base to continue study at Level 3 Horticulture

NUMBER	NAME OF STANDARD	LEVEL / CREDITS
91291	Plant Propagation Techniques	2 4 I
91292	Growth and Development of Plants	2 4 I
91289	Practical Investigation	2 4 I
91298	Environmental Impacts	2 4 I
91290	Modify Physical Environmental Factors	2 4 E
Internal Achievement Standards: 16 External Achievement Standards: 4 Total: 20		

HORTICULTURAL SCIENCE – NCEA LEVEL 3 (13HR1)

University approved subject

Prerequisites

Approx Cost: \$40

At least 10 credits in Level 2 Horticulture (12HR1),
OR at least 10 credits in Level 2 Biology (12BI1) and achieved or better in AS90459 (Genetics),
OR Head of Department approval

Students will

- Gain fundamental horticultural knowledge and essential skills in the production and marketing of a nationally significant market and a locally grown product
- Build on the knowledge gained in Level 2 and be provided with a sound base to continue study at Levels 4 and 5 or scholarship

PHYSICS ENRICHED – NCEA LEVEL 1 (11PYE)**Prerequisites****Approx Cost: \$30**

Excellence in the year 10 Physics and Chemistry units, achieved in all other Science units and excellence in Maths AS91029 and AS91027
OR Head of Department approval

Students will

- Be prepared for NCEA assessment at Level 2
- Study waves, light, mechanics, electricity, magnetism and nuclear physics, at Level 2 NCEA
- Learn and develop skills in understanding the world around them in terms of physics principles and concepts. Physics theory and beliefs are based on experimental data collected through proper experimental methods

NUMBER	NAME OF STANDARD	LEVEL / CREDITS		
90935	Carry out a practical physics investigation with direction	1	4	I
90937	Demonstrate understanding of electricity and magnetism	1	4	E
90938	Demonstrate understanding of waves	1	4	E
90939	Demonstrate understanding of heat	1	4	E
91171	Demonstrate understanding of mechanics	2	6	E
Internal Achievement Standards: 4		External Achievement Standards: 18	Total: 22	

PHYSICS ENRICHED – NCEA LEVEL 2 (12PYE)**Prerequisites****Approx Cost: \$30**

Students must have completed the Year 11 Physics Accelerate (11PYA-2012) course

Merit or better in AS90254, AS90255 and AS90257 in 2012

AND Head of Department approval

Students will

- Study mechanics, electromagnetism, waves, with an additional topic in nuclear physics. The topics contained in the achievement standards studied at this level are the same as the prerequisites for Level 2
- Be expected to gain entry for scholarship Calculus or have achieved a scholarship in Calculus in the previous year. All achievement standards in this accelerate course are at Level 3 supported with teaching at the merit to excellence level of Level 3



PHYSICS – NCEA LEVEL 1 (11PY1)**Prerequisites****Approx Cost: \$30**

At least merit in physics, achieved in other science topics, achieved in algebra maths units
OR Head of Department approval

Students will

- Prepare for NCEA assessment at Levels 1 and 2
 - Study waves, light, mechanics, electricity, magnetism
 - Learn and develop skills in understanding the world around them in terms of physics principles and concepts.
- Physics theory and beliefs are based on experimental data collected through proper experimental methods.

NUMBER	NAME OF STANDARD	LEVEL / CREDITS		
AS90935-N	Carry out a practical physics investigation with direction	1	4	I
AS90937-N	Demonstrate understanding of aspects of electricity and magnetism	1	4	E
AS90938-N	Demonstrate understanding of aspects of wave behaviour	1	4	E
AS90940	Demonstrate understanding of aspects of mechanics	1	4	E
Internal Achievement Standards: 4		External Achievement Standards: 12		Total: 16

PHYSICS – NCEA LEVEL 2 (12PY1)**Prerequisites****Approx Cost: \$30**

At least an achieved in AS90940, AS90937, AS90938 and AS90939 in Level 1 Physics (11PY1),
OR Head of Department approval
Open to Year 12 and 13 students only

Students will

- Prepare for NCEA assessment at Level 2
- Study waves, light, mechanics, electricity, magnetism
- Have the opportunity to gain credits for Level 3 Physics by carrying out a practical investigation with a non-linear relationship requiring the use of expert experimental skills

NUMBER / DOMAIN	NAME OF STANDARD / DOMAIN:	LEVEL / CREDITS		
91168	SCI Carry out an investigation that leads to non-linear relationship	2	5	
91170	SCI Demonstrate understanding of waves	2	4	
91171	SCI Demonstrate understanding of mechanics	2	6	
91173	SCI Demonstrate understanding of electricity and magnetism	2	5	
Internal Achievement Standards:		External Achievement Standards:		Total: 20

PHYSICS – NCEA LEVEL 3 (13PY1)

University approved subject

Prerequisites**Approx Cost: \$30**

At least achieved in Level 2 Physics AS90254, AS90255, AS90257 and AS90774
Head of Department approval

Students will

- Demonstrate an understanding of concepts, principles and models (of physics)
- Apply concepts and principles (of physics) to explain physical phenomena, systems and devices, in the following topics: motion, simple harmonic motion, wave motion, electricity and magnetism, ac, and nuclear physics

SCIENCE APPLIED– NCEA LEVEL 1 (11SI3)**Prerequisites****Approx Cost: \$30**

At least achieved in two of the three science areas (Biology, Chemistry and Physics) at Year 10,
OR Head of Department approval

Students will

- Develop a scientific understanding of the world we live in, scientific skills and attitudes for scientific investigations. This course is for students who find the general and single science courses too challenging but still wish to gain Level 1 Science credits
- Study The Living World; The Physical World; The Material World; The Nature of Science; The Planet Earth and Beyond

NUMBER	NAME OF STANDARD	LEVEL / CREDITS		
AS90935	Carry out a practical physics investigation that leads to a linear mathematical relationship, with direction	1	4	I
AS90943-N	Investigate implications of heat for everyday life	1	4	I
AS90946	Investigate the implications of the properties of metals for their use in society	1	4	I
AS90950	Investigate biological ideas relating to interactions between humans and micro-organisms	1	4	I
AS90953-L	Demonstrate understanding of carbon cycling	1	4	I
Internal Achievement Standards		Total: 20		

SCIENCE – NCEA LEVEL 1 (11SI1)**Prerequisites****Approx Cost: \$30**

At least one merit and two achieved grades from the three science areas (Biology, Chemistry and Physics) at Year 10,
OR Head of Department approval

Students will

- Develop scientific understanding of the world we live in, scientific skills and attitudes for scientific investigations.
- students who wish to study one science at Year 11, but who may not want to specialise in a specific science
- Have the option of continuing with Level 2 Science or specialising in a specific science at Level 2
- Study The Living World – Micro-organisms/Genetics; The Physical World – Aspects of Physics; The Material Chemistry; The Nature of Science – Scientific Investigation

This course

World – A

NUMBER	NAME OF STANDARD	LEVEL / CREDITS		
AS90930	Carry out a practical chemistry investigation, with direction	1	4	I
AS90934	Demonstrate understanding of aspects of chemical reactions	1	4	I
AS90937	Demonstrate understanding of aspects of electricity and magnetism	1	4	E
AS90940-N	Demonstrate understanding of aspects of mechanics	1	4	E
AS90948-L	Demonstrate understanding of biological ideas relating to genetic variation	1	4	E
Internal Achievement Standards: 8		External Achievement Standards: 12		Total: 20

SCIENCE – NCEA LEVEL 2 (12SI1)**Prerequisites****Approx Cost: \$20**

At least 12 credits in Level 1 Physics (11PY1) and Level 1 numeracy,
OR at least 12 credits in Level 1 Chemistry (11CM1) and Level 1 numeracy,
OR at least 12 credits in Level 1 Biology (11BI1) and Level 1 numeracy,
OR at least 12 credits in Level 1 Science and Level 1 numeracy
OR Head of Department approval

Open to Year 12 and 13 students only

Students will

- Develop a scientific understanding of the world we live in, scientific skills and attitudes for scientific investigations.
- students who wish to study one Science at Level 2, but who may not want to specialise in a specific science
- Be expected to continue with Level 3 Science
- Study The Living World – Micro-organisms/Genetics; The Physical World – Aspects of Physics; The Material World – Aspects of Chemistry; The Nature of Science – Scientific Investigation

This course

– Aspects

SCIENCE – NCEA LEVEL 3 (13SI1)**University approved subject****Prerequisites****Approx Cost: \$20**

At least 14 credits in Level 2 Science (12SI1),
OR at least 14 credits in Level 2 Biology (12BI1),
OR at least 14 credits in Level 2 Chemistry (12CM1),
OR at least 14 credits in Level 2 Physics (12PY1),
OR Head of Department approval

Open to Year 12 and 13 students only

Students will

- Develop a scientific understanding of the world we live in, scientific skills and attitudes for scientific investigations.
- students who wish to study one Science at Level 3, but who may not want to specialise in a specific science.
- Study The Living World – Micro-organisms/Genetics; The Physical World – Aspects of Physics; The material of Chemistry; The Nature of Science – Scientific Investigation

This course

World –

Note: The unit standards offered are alternative equivalents to the achievement standards offered

NUMBER / DOMAIN	NAME OF STANDARD / DOMAINS: CORE SCIENCE (CS), EARTH SCIENCE, (ES) BIOLOGY (BI)	LEVEL / CREDITS		
US6364	ES Use plate tectonics to explain distribution of major NZ and Southwest Pacific geological features	3	4	I
US8931	BI Describe gene expression	3	4	I
AS90728	CS Research a current scientific controversy	3	4	I
AS90729	CS Describe genetic processes	3	4	E
AS90730	CS Describe selected organic compounds and their uses	3	4	E
AS90731	CS Describe geological processes affecting New Zealand	3	2	E
AS90732	CS Describe selected properties and applications of EMR, radioactive decay, sound and ultrasound	3	4	E
Unit Standards: 8		Internal Achievement Standards: 4		External Achievement Standards: 14
				Total: 26

GEOGRAPHY - NCEA LEVEL 1 (11GE1)**Prerequisites**

A GPA of at least 50 in the core Year 10 Social Studies course (10SS1)
OR Head of Department approval

Approx Cost: \$20 for skills book
(Possible field trip: \$50 approx)

Course information

Geography is about people and places. Physical Geography explores the natural environment. Cultural Geography investigates people's activities, their use of resources and their impact on the environment. Topics covered include volcanic and hurricane hazards, population studies. Current geographic issues, local area studies and global patterns are also explored

NUMBER	NAME OF STANDARD	LEVEL / CREDITS		
AS91007-L	Demonstrate geographic understanding of environments that have been shaped by extreme natural event(s)	1	4	E
AS91008-L	Demonstrate geographic understanding of population concepts	1	4	E
AS91009-L	Demonstrate geographic understanding of the sustainable use of an environment	1	3	I
AS91010-N	Apply concepts and basic geographic skills to demonstrate understanding of a given environment	1	4	E
AS91011-L/N	Conduct geographic research, with direction	1	4	I
AS91012-L	Describe aspects of a contemporary New Zealand geographic issue	1	3	I
Internal Achievement Standards: 10		External Achievement Standards: 12		Total: 22

GEOGRAPHY - NCEA LEVEL 2 (12GE1)**Prerequisites**

At least 16 credits in Level 1 Geography (11GE1) including achieved or better in two externally assessed standards,
OR if Geography has not been studied before: at least 16 credits in Level 1 English (11EN1)
OR Head of Department approval

Approx Cost: \$20 for skills book
(Field trip cost: \$50 approx)

Course Information

This course involves a detailed analysis of natural landscapes and a field study of Arataki for a research assignment. Cultural Geography investigates people's activities, their use of resources and their impact on the environment. Topics include rainforests, cities, and the reasons for, and differences between, rich and poor countries. Global inequalities are also examined

NUMBER / DOMAIN		NAME OF STANDARD / DOMAIN:	LEVEL / CREDITS		
91240	GE	Demonstrate geographic understanding of a large natural environment	2	4	E
91242	GE	Demonstrate geographic understanding of differences in development	2	4	E
91243	GE	Apply concepts and skills to demonstrate understanding of a given environment	2	4	E
91244	GE	Conduct geographic research with guidance	2	5	I
91245	GE	Explain aspects of a contemporary geographic issue	2	-	I
91241	GE	Demonstrate geographic understanding of an urban pattern	2	3	I
		Internal Achievement Standards: 8	External Achievement Standards: 12		Total: 20

GEOGRAPHY – NCEA LEVEL 3 (13GE1)

University approved subject

Prerequisites

in Level 2 Geography (12GE1) including achieved or better in two externally assessed achievement standards,
OR at least 16 credits in Level 2 English (12EN1)
OR Head of Department approval

Approx Cost: \$20 for skills book
(Field trip cost - Muriwai: \$20 approx / Rotorua: \$280 approx)

At least 16 credits

Course Information

The course involves an indepth analysis of Muriwai Beach as a coastal environment. Students will examine coastal process and on the fieldtrip learn how to monitor these.

The cultural process topic is an examination of Tourism Development in Rotorua and Bali. There is a fieldtrip to Rotorua which examines how the city has become a centre for Domestic and International Tourists.

Geographic skills will also be studied in detail and applied in a number of different environments.

HISTORY - NCEA LEVEL 1 (11HI1)**Prerequisites**

A GPA of at least 60 in the core Year 10 Social Studies course (10SS1)
OR Head of Department approval

Approx Cost: Nil

Students will

- Prepare for NCEA assessment by studying aspects of recent world history and their significance to New Zealand
- Study topics:
 - War and Peace: events in NZ and globally which build up to the outbreak of World War II. An overview of World War II and NZ's involvement in that conflict is included in this topic;
 - Power to the People: this topic provides an overview of popular protests in the past and considers 20th century events including the American civil rights protests and protests in NZ in the 1970s and 1980s
 - Conflict in Ireland: this topic provides an overview of recent events in Irish history
- Develop appropriate historical skills, research information and analyse historical events through cartoons, films and written material

NUMBER	NAME OF STANDARD	LEVEL / CREDITS		
AS91001-L	Carry out an historical investigation	1	4	I
AS91002-L	Demonstrate understanding of an historical event or place of significance to New Zealanders	1	4	I
AS91003-L	Interpret sources of an historical event of significance to New Zealanders	1	4	E
AS91005-L	Describe the causes and consequences of an historical event	1	4	E
AS91006-L	Describe how a significant historical event affected New Zealand society	1	4	E
Internal Achievement Standards: 8		External Achievement Standards: 12		Total: 20

HISTORY - NCEA LEVEL 2 (12HI1)

Prerequisites

Approx Cost: Nil

At least 16 credits in Level 1 History (11HI1) and achieved or better in AS91005,
OR at least 16 credits in Level 1 Geography (11GE1),
OR Head of Department approval

Students will

- Prepare for NCEA assessment by studying 3 broad topics from the following: Origins of World War One, Vietnam and the conflict in Indochina, Germany between the two World Wars and the Russian Revolution
- Build on the historical skills developed in Level 1 examining the causes and effects of historical events and how they affect ordinary people
- Gain credits through activities during the year including research projects related to the topics being studied

NUMBER / DOMAIN	NAME OF STANDARD / DOMAIN:	LEVEL / CREDITS		
AS91229	Carry out a historical inquiry of an event or place that is of significance to New Zealanders	2	4	I
AS9131	Examine sources of a historical event that is of significance to New Zealanders	2	4	E
AS91232	Interpret different perspectives of people in a historical event that is of significance to New Zealanders	2	5	I
AS91233	Examine causes and consequences of a significant historical event	2	5	E
Internal Achievement Standards: 9		External Achievement Standards: 9		Total: 18

HISTORY-NEW ZEALAND - NCEA LEVEL 3 (13HZ1)

University approved subject

Prerequisites

Approx Cost: Nil (see note below re trips)

At least 13 credits in Level 2 History (12HI1) including achieved or better in AS91233,
OR at least 16 credits in Level 2 English (12EN1), including Level 2 UE literacy,
OR Head of Department approval

Students will

- Study broad themes of 19th century New Zealand history including changing racial interaction and conflict; economic and political development at local and national level; and problems, issues and challenges facing New Zealand society between 1800 and 1900.
- This course is particularly relevant for those students intending to study a range of subjects at a New Zealand university
- There will be a charge for any out of class research trips, as well as for student study guides

HISTORY-TUDOR/STUART – NCEA LEVEL 3 (13HT1)

University approved subject

Prerequisites

Approx Cost: Nil (see note below re trips)

At least 13 credits in Level 2 History (12HI1) including achieved or better in AS91233

OR at least 16 credits in Level 2 English (12EN1), including Level 2 UE literacy,

OR Head of Department approval

Students will

- Study broad themes of English history of the 16th – 17th centuries. This will include the changing relationship between rulers and their subjects; the conflict between Charles I and his Parliament; and the issues, fears and challenges which faced English society in the early modern period.
- This course is particularly relevant for those students intending to study a range of subjects at a New Zealand university
- There will be a charge for any out of class research trips
- **This course will only be offered if there is sufficient student numbers meeting the criteria and at Head of Department's discretion**

SOCIAL SCIENCE STUDIES - NCEA LEVEL 1 (11SS3)

Prerequisites

Approx Cost: Nil (maybe a minor workbook cost)

Nil

For students who do not qualify for entry into History or Geography

OR Head of Faculty approval

Students will

- Cover a range of standards from the Earth Science, Geography and History subject areas. Emphasis is placed on improving skills and covering a range of credits at an 'Achieved' level. This course is designed for students with a lower ability level in a subject area. It **cannot** be taken in conjunction with History or Geography.

NB As this course is fully internally assessed it is not eligible for course endorsement

NUMBER / DOMAIN	NAME OF STANDARD / DOMAIN:	LEVEL / CREDITS
90955	SCI	Investigate an astronomical or Earth science event
91009	GEO	Demonstrate geographic understanding of the sustainable use of an environment
91011	GEO	Conduct geographic research
91012	GEO	Describe aspects of a contemporary NZ geographic issue
91042	SOC SCI	Report on personal involvement in a social justice and human rights action
91043	SOC SCI	Describe a social justice and human rights action
Internal Achievement Standards: 22		External Achievement Standards: Nil
		Total: 22

SOCIAL SCIENCE STUDIES - NCEA LEVEL 2 (12SS3)

Prerequisites

Approx Cost: Nil

For students who do not qualify for entry into L2 Geography or L2 History

AND have at least 12 credits from 11SS3

OR at least 8 credits from L1 History(11HI1), OR Geography(11GE1)

OR English(11EN1/2)

AND Head of Faculty approval

NB:

1. Students are not permitted to study 12SS3 AND 12TT4 at the same time
2. Pathway: 12SS3 students can carry on to 13TT4 in 2014
3. As this course is fully internally assessed it is not eligible for course endorsement.

Students will

- Study a range of topics from the Geography, History and Social Studies areas including; the study of urban patterns (Auckland and Chicago), mining as a contemporary issue, the spread of HIV/AIDS as a global geographic pattern, inquiry and research into a significant historical event and social actions taken by communities to meet responsibilities – possible examples may include the clamping down on boy racers or the impacts of lowering the drinking age etc...

NUMBER / DOMAIN	NAME OF STANDARD / DOMAIN:	LEVEL / CREDITS
AS91241	GE	Demonstrate geographic understanding of an urban pattern
AS91245	GE	Explain aspects of a contemporary NZ geographic issue
AS91246	GE	Explain aspects of a geographic topic at a global scale
AS91229	HI	Carry out Inquiry of an Historical Event
AS91230	HI	Examine an Historical Event (research)
AS91283	SS	Describe social action that enables communities and/or nations to meet responsibilities and exercise rig
Internal Achievement Standards: 22		External Achievement Standards: Nil
		Total: 22

A selection from the standards below will be offered resulting in a 17/18 credit course

TRAVEL & TOURISM - NCEA LEVEL 2 (12TT4)

Prerequisites

Approx Cost: Nil

At least 10 credits in Level 1 English (11EN1),

OR at least 10 credits in Level 1 Geography (11GE1),

OR at least 10 credits in Level 1 History (11HI1)

This is a two year course and admission to this course commits students to continue with the second year

Students will

- Be provided with the opportunity to complete and obtain a nationally recognised course after two years of study and serves as a stepping-stone into the Travel and Tourism industry.

NUMBER	NAME OF STANDARD	LEVEL / CREDITS
US18237	Perform calculations for a tourism workplace	2 3 I
US23761	Read and comprehend work-related documents in English for a tourism workplace	2 3 I
US23767	Demonstrate knowledge of and use the internet in a tourism workplace	2 2 I
US24724	Demonstrate knowledge of the history of tourism	2 4 I
US24728	Demonstrate knowledge of work roles in tourism	2 3 I
US24729	Demonstrate knowledge of world tourist destinations	2 4 I
US24730	Demonstrate knowledge of the business of tourism	2 4 I
US24731	Demonstrate knowledge of destination New Zealand	2 4 I
US24732	Demonstrate knowledge of tourist characteristics and needs	2 3 I
Unit Standards		Total: 30

TRAVEL & TOURISM – NCEA LEVEL 3 (13TT4)**Prerequisites****Approx Cost: Nil**

At least 18 credits in Level 2 Travel and Tourism (12TT4)

This is the second of a two year course and students must meet the minimum above to be allowed to continue

Students will

- Continue the Level 2 course
- Be encouraged to gain the National Certificate in Travel and Tourism Introductory Skills Level 2
- Study topics including examining tourist destinations such as Australia and Pacific Islands

NUMBER / DOMAIN		NAME OF STANDARD / DOMAIN: TRAVEL (TR), VISITOR SERVICES (VS)	LEVEL / CREDITS		
US3727	TR	Demonstrate knowledge of Pacific Island countries as tourist destinations	3	8	I
US18211	TR	Demonstrate knowledge of Australia as a tourist destination	3	8	I
US23766	VS	Demonstrate knowledge of the tourism industry	3	5	I
US24725	VS	Describe and analyse the economic significance of tourism	3	4	I
US24733	VS	Describe and promote a New Zealand tourist destination	3	4	I
Internal Achievement Standards			Total: 29		

TE REO MAORI - NCEA LEVEL 1 (11RM1)**Prerequisites**

A GPA of at least 60 in Year 10 Te Reo Maori (10RM1)

Approx Cost: \$15

Students will

- Study five topics of work: Korero, Whakarongo, Hanga tuhi, Panui, Tuhi okawa

NUMBER	NAME OF STANDARD	LEVEL / CREDITS		
AS91085-L	Whakarongo kia mohio ki te reo o tona ao	1	6	I
AS91086-L	Korero kia whakamahi i te reo o tona ao	1	6	I
AS91087-L	Panui kia mohio ki te reo o tona ao	1	6	E
AS91088-L	Tuhi i te reo o tona ao	1	6	E
AS91089-L	Waihanga tuhinga i te reo o tona ao	1	6	I
Internal Achievement Standards: 18		External Achievement Standards: 12		Total: 30

TE REO MAORI - NCEA LEVEL 2 (12RM1)**Prerequisites**

At least 18 credits in Level 1 Te Reo Maori (11RM1), including one external standard,
OR Head of Department approval

Approx Cost: \$15

Students will

- Study five topics of work: Korero, Whakarongo, Hanga tuhi, Panui, Tuhi okawa

NUMBER / DOMAIN	NAME OF STANDARD	LEVEL / CREDITS		
AS91284-L	Whakarongo kia mohio ki te reo o tona ao	1	6	I
AS91285-L	Korero kia whakamahi i te reo o tona ao	1	6	I
AS91286-L	Panui kia mohio ki te reo o tona ao	1	6	E
AS91287-L	Tuhi i te reo o tona ao	1	6	E
AS91288-L	Waihanga tuhinga i te reo o tona ao	1	6	I
Internal Achievement Standards: 18		External Achievement Standards: 12		Total: 30

TE REO MAORI – NCEA LEVEL 3 (13RM1)

University approved subject

Prerequisites

At least 16 credits in Level 2 Te Reo Maori (12RM1) including one external standard,
OR Head of Department approval

Approx Cost: \$25

Students will

- Study five topics of work: Korero, Whakarongo, Hanga tuhi, Panui, Tuhi okawa
- Undertake field trips

To be confirmed when standards are aligned

TE REO RANGATIRA – NCEA LEVEL 1 (11RR1)**Prerequisites****Approx Cost: \$25**

At least 18 credits in Level 3 Te Reo Maori (13RM1), including one external standard,
OR Head of Department approval

Students will

- Study Korero, Whakarongo, Hanga Tuhi, Panui, Tuhituhi
- Under take field trips
- Speak in Immersion settings

NUMBER	NAME OF STANDARD	LEVEL / CREDITS		
AS90135-L	Whakarongo ki nga korero o tona ao	1	4	E
AS90137-L	Panui i nga tuhinga huhua noa	1	4	E
AS90801-L	Korero i te reo okawa	1	3	I
AS90802-L	Korero i te reo opaki	1	3	I
AS90803-L	Ata hangai i tetahi tuhinga	1	4	I
AS90804-L	Tuhituhi korero e hangai ana ki te kaupapa	1	3	E
AS90805-L	Matakitaki i te reo ataata	1	3	I
Internal Achievement Standards: 13		External Achievement Standards: 11		Total: 24

TE REO RANGATIRA – NCEA LEVEL 2 (12RR1)**Prerequisites****Approx Cost: \$25**

At least 18 credits in Level 1 Te Reo Rangatira (11RR1), including two external standards
OR Head of Department approval

Students will

- Study 4 strands of learning, Korero, Whakarongo, Panui, Tuhituhi
- Under take field trips
- Speak in Immersion settings

NUMBER	NAME OF STANDARD	LEVEL / CREDITS		
AS90442-L	Whakarongo ki te reo whaikupu	2	3	E
AS90750-L	Rangahau, whakarite me te whakaputa whaikorero	2	3	I
AS90751-L	Whakaputa i te korero tene	2	3	I
AS90752-L	Panui i te reo tawhito	2	3	E
AS90753-L	Panui i te reo hou	2	3	E
AS90754-L	Whakaputa i te tuhinga	2	3	I
AS90755-L	Titotio i te korero whakangahau	2	3	I
AS90756-L	Matakitaki me te hanga i te whakaaturanga	2	3	I
Internal Achievement Standards: 15		External Achievement Standards: 9		Total: 24

TE REO RANGATIRA – NCEA LEVEL 3 (13RR1)**Prerequisites****Approx Cost: \$25**

At least 18 credits in Level 1 Te Reo Rangatira (12RR1), including two external standards
OR Head of Department approval

Students will

- Study 5 strands of learning, Korero, Whakaongo, Panui, Tuhituhi, Whakaaturanga
- Under take field trips
- Speak in Immersion settings

NUMBER	NAME OF STANDARD	LEVEL / CREDITS		
AS90536-L	Whakarongo ki te reo kaumatua	3	3	E
AS90785-L	Matapaki i te kaupapa e taunga ana	3	3	I
AS90786-L	Panui i te tuhinga roa	3	3	I
AS90787-L	Whakaputa i te tuhinga roa	3	3	I
AS90788-L	Ohia ki te korero mo te kaupapa pupu noa	3	3	I
AS90789-L	Panui i nga tuhinga popoto	3	3	E
AS90790-L	Tuhituhi whakaaro e hangai ana ki te kaupapa	3	3	E
AS90791-L	Whakarite, whakaputa i te whakaaturanga	3	3	I
Internal Achievement Standards: 15		External Achievement Standards: 9		Total: 24

TE WAHAROA – MAORI PERFORMING ARTS – NCEA LEVEL 1 (11MP4)**Prerequisites**

A GPA of at least 50 in Te Reo Maori,
OR Head of Department approval

Approx Cost: \$15 Maori crafts

Students will

- Study Tikanga, Waiata, Powhiri, Performance, Atua, Resources

Note: Te Reo Maori achievement standards and Te Reo Maori unit standards at Levels 3 & 4 need to be completed as well as standards in order to be awarded the National Certificate in Maori Performing Arts Level 4

NUMBER	NAME OF STANDARD	LEVEL / CREDITS		
US11923	Participate in the powhiri process in a supported learning context	1	3	I
US20947	Demonstrate knowledge and skills of ti rakau	1	3	I
US22752	Demonstrate performance components of Maori performing arts	1	3	I
US22753	Demonstrate knowledge of people associated with Maori performing arts	1	3	I
US22754	Demonstrate knowledge of the origins of Maori performing arts	1	4	I
US22755	Demonstrate knowledge of a Maori performing arts costume ensemble	1	3	I
US22756	Perform a Maori performing arts bracket	1	10	I
Unit Standards		Total: 29		

TE WAHAROA – MAORI PERFORMING ARTS – NCEA LEVEL 2 (12MP4)**Prerequisites**

Nil

Approx Cost: \$15 Maori crafts

Desirable that students be studying Te Reo Maori or participating in Kapa Haka

Students will

- Study Tikanga, Waiata, Powhiri, Performance, Atua, Resources

Note: Te Reo Maori achievement standards and Te Reo Maori unit standards at Levels 3 & 4 need to be completed as well as standards in order to be awarded the National Certificate in Maori Performing Arts Level 4

TE WAHAROA – MAORI PERFORMING ARTS – NCEA LEVEL 3 (13MP4)**Prerequisites**

Nil

Approx Cost: \$15 Maori crafts

Desirable that students be studying Te Reo Maori or participating in Kapa Haka,

Students will

- Study Tikanga, Waiata, Powhiri, Performance, Atua, Resources

Note: Te Reo Maori achievement standards and Te Reo Maori unit standards at Levels 3 & 4 need to be completed as well as standards in order to be awarded the National Certificate in Maori Performing Arts Level 4

NUMBER / DOMAIN	NAME OF STANDARD / DOMAIN: TIKANGA CONCEPTS (TC), MAORI PERFORMANCE (MP)	LEVEL / CREDITS		
US16163 TC	Demonstrate knowledge of the use of whakapapa	3	2	I
US16165 TC	Describe a hui and the roles associated with hui in accordance with tikanga	3	2	I
US16166 TC	Explain key concepts and practices associated with powhiri	3	2	I
US19626 TC	Describe the use of moteatea	3	4	I
US19627 TC	Describe the use of whakatauki	3	4	I
US22756 MP	Perform a Maori performing arts bracket	3	10	I
US22757 MP	Demonstrate knowledge of the historical development of Maori performing arts	3	6	I
Unit Standards		Total: 30		

DESIGN - NCEA LEVEL 2 (12DS1)**Prerequisites****Approx Cost: \$100**

At least 16 credits in Level 1 Painting (11PN1) or Level 1 Design for Print (11PH1)
OR Head of Department approval gained before end of term 3

Students will

- Demonstrate an understanding of methods and ideas from established practice appropriate to design
- Develop ideas in a related series of drawings appropriate to established design practice
- Produce a systematic body of work that shows understanding of art making conventions and ideas within design (two folio panels)

NUMBER / DOMAIN	NAME OF STANDARD / DOMAIN:	LEVEL / CREDITS		
AS91310 PA	Use drawing methods to apply knowledge of conventions appropriate to design	2	4	I
AS91315 PA	Develop ideas in a related series of drawings appropriate to established design practice	2	4	I
AS91320 PA	Produce a systematic body of work that shows understanding of art making conventions and ideas within design	2	12	E
Internal Achievement Standards: 8		External Achievement Standards: 12		Total: 20

DESIGN - NCEA LEVEL 3 (13DS1)**University approved subject****Prerequisites****Approx Cost: \$110**

At least 20 credits in Level 2 Design (12DS1),
OR Head of Department approval (with portfolio) – applied for ahead of time

Students will

- Undertake a course that offers a minimum of 20 credits, from the following assessments
- Analyse methods and ideas from established design - 4 credits
- Use drawing to demonstrate understanding of conventions appropriate to design - 4 credits
- Systematically clarify ideas using drawing informed by established design practice – 4 credits
- Produce a systematic body of work that integrates conventions and regenerates ideas within design practice - 14 credits (External)
- And/or produce a resolved work that demonstrates purposeful control of skills appropriate to visual arts cultural contexts - 4 credits



PAINTING - NCEA LEVEL 1 (11PN1)**Prerequisites**

All units passed in Year 10 Art with achieved or better

Approx Cost: \$90

Students will

- Use drawing methods and skills for recording information using wet and dry media
- Produce a body of work informed by established practice, which develops ideas, using a range of media
- Produce a finished work that demonstrates skills appropriate to cultural conventions

NUMBER	NAME OF STANDARD	LEVEL / CREDITS		
AS90914	Use drawing methods and skills for recording information using wet and dry media	1	4	I
AS90916	Produce a body of work informed by established practice, which develops ideas, using a range of media	1	12	E
AS90917	Produce a finished work that demonstrates skills appropriate to cultural conventions	1	4	I
Internal Achievement Standards: 8		External Achievement Standards: 12		Total: 20

PAINTING - NCEA LEVEL 2 (12PN1)**Prerequisites**

Approx Cost: \$110

At least 18 credits in Level 1 Painting (11PN1) or Level 1 Design for Print (11PH1), (Photography and Design in 2011)
OR Head of Department approval (with portfolio) gained before end of term 3

Students will

- Demonstrate an understanding of methods and ideas from established practice appropriate to painting
- Develop ideas in a related series of drawings appropriate to established painting practice
- Produce a systematic body of work that shows understanding of art making conventions and ideas within painting (two folio)

NUMBER / DOMAIN	NAME OF STANDARD / DOMAIN:	LEVEL / CREDITS		
AS91308 PA	Use drawing methods to apply knowledge of conventions appropriate to painting	2	4	I
AS91318 PA	Develop ideas in a related series of drawings appropriate to established painting practice	2	4	I
AS91323 PA	Produce a systematic body of work that shows understanding of art making conventions and ideas within painting	2	12	E
Internal Achievement Standards: 8		External Achievement Standards: 12		Total: 20

PAINTING - NCEA LEVEL 3 (13PN1)

University approved subject

Prerequisites

Approx Cost: \$120

At least 20 credits in Level 2 Painting (12PN1),
OR Head of Department approval (with portfolio) – applied for before end of term 3

Students will

- Undertake a course that offers a minimum of 22 credits;
- Analyse methods and ideas from established painting – 4 credits
- Use drawing to demonstrate understanding of conventions appropriate to painting – 4 credits
- Systematically clarify ideas using drawing informed by established painting practice – 4 credits
- Produce a systematic body of work that integrates conventions and regenerates ideas within painting practice – 14 credits (E)
- And/or produce a resolved work that demonstrates purposeful control of skills appropriate to visual arts cultural contexts – 4 credits

DESIGN FOR PRINT - NCEA LEVEL 1 (11PH1)

This course is for students intending to study design/photography/printmaking in years 12 and 13

Prerequisites

Approx Cost: \$80

Entrance is merit based ie students with higher grades have preference.

All units passed in Year 10 Art with achieved or better

OR Head of Department approval with portfolio submitted before week 10 of term 3

Students need their own digital camera

Students will

- Use drawing methods to record information in wet and dry media for design
- Use drawing methods to apply knowledge of conventions appropriate to photography (sketches, compositional notes, proof sheets, working prints, photograms, collage, montage and photographs)
- Produce a body of work informed by established practice in design and photography, which develops ideas, using a range of media

NUMBER	NAME OF STANDARD	LEVEL / CREDITS		
AS90914	Use drawing methods and skills for recording information using wet and dry media	1	4	I
AS90916	Produce a body of work informed by established practice, which develops ideas, using a range of media	1	12	E
AS91312	Use drawing methods to apply knowledge of conventions appropriate to photography	2	4	I
Internal Achievement Standards: 8		External Achievement Standards: 12		Total: 20

PHOTOGRAPHY - NCEA LEVEL 2 (12PH1)**Prerequisites**

Approx Cost: \$90

At least 16 credits in Level 1 Painting (11PN1) or Level 1 Design for Print (11PH1)

OR Head of Department approval with portfolio submitted before week 10 of term 3

Students need their own digital camera, 5MP or above

Students will

- Demonstrate an understanding of methods and ideas from established practice appropriate to Photography
- Develop ideas in a related series of drawings appropriate to established Photography practice
- Produce a systematic body of work that shows understanding of art making conventions and ideas within Photography. (Two folio panels)

NUMBER / DOMAIN	NAME OF STANDARD / DOMAIN:	LEVEL / CREDITS		
AS91306 PA	Demonstrate an understanding of methods and ideas from established practice appropriate to photography	2	4	I
AS91316 PA	Develop ideas in a related series of drawings appropriate to established photography practice	2	4	I
AS91321 PA	Produce a systematic body of work that shows understanding of art making conventions and ideas within photography	2	12	E
Internal Achievement Standards: 8		External Achievement Standards: 12		Total: 20

PHOTOGRAPHY - NCEA LEVEL 3 (13PH1)**University approved subject****Prerequisites**

Approx Cost: \$90

At least 20 credits in Level 2 Photography (12PH1),

OR Head of Department approval (with portfolio) – submitted before week 10 of term 3

Students will

- Analyse methods and ideas from established photography – 4 credits
- Use drawing to demonstrate understanding of conventions appropriate to photography – 4 credits
- Systematically clarify ideas using drawing informed by established photography practice – 4 credits
- Produce a systematic body of work that integrates conventions and regenerates ideas within photography practice – 14 credits (External)
- And/or produce a resolved work that demonstrates purposeful control of skills appropriate to visual arts cultural contexts – 4 credits

VISUAL ART - NCEA LEVEL 2 (12AR2)**Prerequisites****Approx Cost: \$100**

At least 12 credits in Level 1 Painting (11PN1) or Level 1 Design for Print (11PH1), (Photography and Design in 2011),
OR Head of Department approval gained before end of term 3

Students will

- Demonstrate an understanding of methods and ideas from established practice appropriate to printmaking and sculpture
 - Develop ideas in related series of drawings appropriate to established printmaking/sculpture practice
 - Produce a systematic body of work that shows understanding of art making conventions and ideas within printmaking/sculpture
- This course may not meet endorsement criteria.

NUMBER / DOMAIN	NAME OF STANDARD / DOMAIN:	LEVEL / CREDITS		
AS91309 PA	Demonstrate an understanding of methods and ideas from established practice appropriate to sculpture	2	4	I
AS91311 PA	Use drawing methods to apply knowledge of conventions appropriate to printmaking	2	4	I
AS91312 PA	Develop ideas in a related series of drawings appropriate to established printing practice	2	4	I
AS91325 PA	Produce a resolved work that demonstrates control of skills	2	4	I
Internal Achievement Standards: 16		External Achievement Standards: Nil		Total: 16

VISUAL ART - NCEA LEVEL 3 (13AR2)**Prerequisites****Approx Cost: \$110**

At least 12 credits in Level 2 Visual Art

OR Head of Department approval (with appropriate portfolio) gained before end of term 3

Students will

- Undertake a course that may cover a range of fields such as painting, printmaking and sculpture, to gain a minimum of 16 internal credits. Students may attempt external credits if indicated by their progress prior to August
- Use drawing to demonstrate understanding of conventions appropriate to painting – 4 credits
- Systematically clarify ideas using drawing informed by established painting practice – 4 credits
- Produce a systematic body of work that integrates conventions and regenerates ideas within painting practice - 14 Credits (
- And/or produce a resolved work that demonstrates purposeful control of skills appropriate to visual arts cultural contexts – 4 credits

Key dates**Thursday 2 August 2012 – 7.00 pm**

Pasifika Careers and Pathways Evening (introducing Academic Guide) for Pasifika parents and students

Wednesday 8 August 2012 – 7.00 pm

Maori Pathways Evening (introducing Academic Guide) for Maori parents and students

Tuesday 21 August 2012 – 7.00 pm

Pathways Evening (introducing Academic Guide) for Year 10, 11, and 12 parents and students

Friday 24 August 2012

Final day for all Year 10, 11, 12 students to return their course option form for 2013 to form teachers