



# **Senior Curriculum Handbook 2012**

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**Please note that this information is correct at time of printing.**

**Minor changes may occur.**

# Course Selection Guidelines

## Process

August-September	Subject preference form completed, signed by parents, and returned to school.
August-September	Deans and Learning Area Leaders review subject preferences. Students are consulted if course seems inappropriate.
Late January	<i>Final confirmation of courses takes place during Course Confirmation Day.</i> <i>NB: Failure to attend course confirmation may mean you will not get into the subjects of your choice.</i>

## Requirements

A full time course of study must be undertaken by all students:

- |         |   |
|---------|---|
| Year 11 | <ul style="list-style-type: none"><li>• English and Mathematics</li><li>• Science (unless exempted by Dean)</li><li>• plus three other subjects</li></ul> |
| Year 12 | <ul style="list-style-type: none"><li>• English</li><li>• plus the equivalent of four or five full year subjects</li></ul>                                |
| Year 13 | <ul style="list-style-type: none"><li>• Equivalent of five or six full year subjects</li></ul>  |

Students taking six subjects at Year 12 and 13 need to consult their Dean.

Automatic entry to subjects depends on the stated prerequisites being met. Students who do not have automatic entry can apply to the Learning Area Leader for discretionary entry.

Availability of subjects will depend on staffing and student numbers. If numbers for a subject are too low, the subject may be combined with another, be timetabled for fewer than four hours per week, be taught out of school hours, or withdrawn.

## Advice

- Deans and the careers adviser are available to assist with developing a programme
- Future pathways should be considered when planning courses
- Multi-level programmes may be chosen

## Education Outside the Classroom (EOTC)

There are many opportunities for students to participate in class trips, sporting competitions and cultural events that take them out of regular classroom learning. Whilst we encourage participation in EOTC, students must take care that such involvement does not compromise their classroom work and assessments. Curriculum based EOTC is listed with course descriptions in this handbook. Be aware however that some sports (e.g. rowing) and cultural activities (e.g. Stage Challenge) can involve significant time out of class. Voluntary absences from school, for example family holidays, require that you have written approval from the Principal in advance. Students are expected to catch up missed work and to communicate well in advance with their teachers for absences from assessments. In cases where assessments cannot be rescheduled, students will be unable to be assessed for that standard.

# National Certificates in Educational Achievement (NCEA)

This information is a summary; full details are available at school or at [www.nzqa.govt.nz](http://www.nzqa.govt.nz).

All the information about NCEA, University Entrance, university approved courses and Onslow course prerequisites is accurate for 2012.

However at the time this handbook was written some of the details of changes for 2013 onwards were not available. For example, course prerequisites for Level 3 courses are accurate for 2012 but will change in 2013 when the new curriculum and new standards for Level 3 courses are introduced. Similarly, University Entrance will be more demanding when the 2011 Year 10 students reach Year 13 in 2014.

## How will I be assessed?

For assessment purposes, the skills and knowledge that you gain in subjects are described in detail by 'standards'. Standards come in a range of levels, reflecting how demanding they are. Some standards are internally assessed at school, and some externally in end-of-year exams. Subjects are arranged in groups of standards, for example, a year long course worth 20 credits generally consists of 5-6 standards.

## Standards

Subjects are assessed using Unit Standards and Achievement Standards. For Achievement Standards you can be graded: "Not Achieved", "Achieved", "Merit" or "Excellence". Unit Standards are graded "Not Achieved" or "Achieved".

## Credits

Every standard achieved is worth a set number of credits. A year long course is usually worth about 18-24 credits. Credits are like points toward your qualification, and they mount up till you achieve national qualifications. Note that credits can be gained over more than one year. It is important to ensure that you gain the necessary standards for automatic entry to subjects you wish to study in the following year.

## NCEA Level 1

When you have achieved 80 credits at any level, you will qualify for NCEA Level 1 (generally these will be Level 1 credits, but they do not have to be). Ten of the credits must come from numeracy standards and ten other credits must come from literacy standards. See the literacy and numeracy information in each Year 11 course. Literacy and numeracy credits do not have to come solely from English, Te Reo Māori or Mathematics courses.

## NCEA Level 2

NCEA Level 2 requires a minimum of 60 credits at Level 2 or above and up to 20 credits from Level 1. Credits can be used for more than one qualification, so some of your NCEA Level 1 credits can count toward NCEA Level 2. For NCEA Level 2 there are no specific literacy or numeracy requirements.

## NCEA Level 3

For NCEA Level 3 you will need to achieve 80 credits of which 60 must be at Level 3 or above, and 20 at Level 2 or above.

## Endorsements

Your NCEA can be 'endorsed' if your results are good enough. For example, you could have "*NCEA Level 1 with Merit*". Your Record of Achievement will show you if you have been awarded an Endorsement. If you gain 50 credits at Excellence, your NCEA will be endorsed with Excellence. Likewise, if you gain 50 credits at Merit (or Merit and Excellence) your NCEA will be endorsed with Merit.

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

Individual courses can also be 'endorsed' if you gain 14 or more credits at Excellence or 14 credits or more at Merit and Excellence in one course, in one academic year. At least three credits must be from internally assessed standards and at least three credits from externally assessed standards with the exception of Physical Education courses (14 internal credits) and Level 3 Visual Arts courses (either 14 internal or 14 external credits). Unlike certificate endorsement, the credits must be gained in the same academic year.

## University Entrance (2012-2013)

Students are qualified for entrance to a university in New Zealand when they have obtained:

- a minimum of 42 credits at Level 3 or higher on the National Qualifications Framework, including a minimum of 14 credits at Level 3 or higher in each of two subjects from a University Entrance approved subject list, with a further 14 credits at Level 3 or higher taken from no more than two additional domains on the National Qualifications Framework or approved subjects. Level 3 university approved subject information is available on page 5 of this book. It is also available on the course structure page and the pages showing prerequisites. There will be new approved courses added in 2012 so check the 2013 Curriculum Handbook for updated information.
- a minimum of 14 credits at Level 1 or higher in Mathematics or Pangarau on the National Qualifications Framework
- a minimum of 8 credits at Level 2 or higher in English or Te Reo Māori; 4 credits must be in reading and 4 credits must be in writing. The literacy credits will be selected from a schedule of approved Achievement Standards and Unit Standards. These will change in 2012 but we do not have the details at present.

University Entrance requirements will change in 2014 for the 2011 year 10 cohort and will be more demanding when they are in year 13 in 2014. University Entrance will then involve gaining a Level 3 NCEA certificate with at least 60 level 3 credits AND within this gaining at least 14 credits in each of three university approved courses AND having 14 level 1 numeracy credits from year 11 AND 10 level 2 literacy credits from year 12 (5 in reading and 5 in writing from designated literacy standards).

Most universities now have specific requirements for entry to particular university courses. If you have a particular university course in mind check the university entry criteria as soon as possible with the careers advisor. In particular, the universities based in Wellington, Dunedin, Palmerston North and Auckland have introduced a points system based on NCEA grades from university approved Level 3 courses. Merit and Excellence grades generate more points than an Achieved grade, so you are advised to put in the necessary effort to gain the highest possible grades over your best 80 credits from University Entrance approved Level 3 courses.

## Scholarship

Scholarship is externally assessed. It is designed to extend top-level students and to financially assist very able students to attend university. Students sitting Scholarship will be assessed on their ability to think laterally and in the abstract. The exams cover the same content as Level 3 Achievement Standards, but the standard is much higher. A course of study must be completed. The extra examinations, which require additional work, can impact on NCEA Level 3 results, but we encourage able students to enrol in Scholarship. Results are received after the start of the university year and they do not contribute to University Entrance or NCEA Level 3.

## NCEA Fees and Financial Assistance

NCEA fees are invoiced separately from other school fees. The cost is currently \$76.70 which is a flat fee for any number of credits as well as three scholarship subjects. There is an extra cost for each additional scholarship entry. International students pay higher fees also.

Generous financial assistance is available to any family eligible for a Community Services Card. Updated details are posted each year in May on the Onslow College website.

See [www.onslow.school.nz](http://www.onslow.school.nz) and your green National Assessment Handbook for further details regarding management of NCEA.

# Level 3 University Approved Courses 2012

Applicants to New Zealand universities gain entry with University Entrance but access to specific courses requires a rank score generated from university approved Level 3 NCEA courses.

Here is the list of university approved Level 3 courses for 2012, which apply to university entry in 2013. This website version of the handbook reflects the changes to the approved subject list that NZQA announced on September 9, 2011. Nutrition and Food Technology is now an approved course for year 13 in 2012.

We have tagged the courses that are **not** university approved on the subject charts in this handbook. Nearly all of our 2012 Level 3 courses are university approved courses using standards from the Qualifications Framework course information listed below.

## Approved University Courses Offered at Onslow College in 2012

- Accounting
- Biology
- Chemistry
- Chinese
- Classical Studies
- Digital Technology (*Domain Generic Computing, US18741, 18749*)
- Design (*Practical Art AS90515, 90516, 90517; US9072, 9073*)
- Drama
- Economics
- English
- Fashion and Design (Technology)
- French
- Geography
- German
- Graphics
- History
- History of Art
- Japanese
- Mathematics with Calculus (*Domains Trigonometry, Geometry, Calculus; AS 90638, 90639; US5267, 11102, 12344*)
- Statistics and Modelling (*Subfield Statistics and Probability; AS90644, 90647; US5256, 5264, 5262, 5272*)
- Media Studies
- Music Studies (*Music Studies or Making Music*)
- Nutrition and Food Technology (Home Economics, AS90535, Technology)
- Painting (*AS90659, 90663, 90667; US9066, 9067*)
- Photography (*AS90660, 90664, 90668; US9064, 9065*)
- Physical Education
- Physics
- Printmaking (*AS90661, 90665, 90669; US9069, 9068*)
- Science (*Domains Core Science and Earth Science*)
- Sculpture (*AS90662, 90666, 90670; US9070, 9071*)
- Spanish
- Technology: Design Technology
- Te Reo Rangatira / Te Reo Māori

(Other approved subjects not offered at Onslow are: Agriculture and Horticulture, Business Studies, Dance, Cook Island Māori, Health Education, Indonesian, Korean, Latin, Samoan, Social Studies.)

Please note: In 2013 Onslow College's 13 Design Technology course will be fully university approved using Technology standards

# Onslow College Course Structure

Year 9	Year 10	Year 11	Year 12	Year 13	Half Year (Yr12/13)
<b>Arts Learning Area</b>					
Art	Art	Art	Art	Art - Design	
				Art - Painting	
			Art - Photography	Art - Photography	
				Art - Sculpture	
				Art History	
Dance	Dance				
Drama	Drama	Drama	Drama	Drama	Performance: Production Procedures
Music	Music Advanced	Music	Music	Music	Music Practical
	Music				Perf. Devised Project
<b>English Learning Area</b>					
English*	English*	English*	English*	English	English UE Literacy
			Media Studies	Media Studies	
<b>Languages Learning Area</b>					
ESOL	ESOL	ESOL	ESOL		
		ESOL – Academic Eng.	ESOL – Academic Eng.	ESOL – Academic Eng.	
French	French	French	French	French	
German	German	German	German	German	
Japanese	Japanese	Japanese	Japanese	Japanese	
	Spanish	Spanish	Spanish	Spanish	
Māori	Māori	Māori	Māori	Māori	
		Poutama	Poutama	Poutama	
		Curric. Based Learning	Curric. Based Learning	Curric. Based Learning	
<b>Mathematics Learning Area</b>					
Mathematics*	Mathematics*	Mathematics <sup>^</sup>	Mathematics	Calculus	
		Maths Practical 1 <sup>^</sup>			Mathematics Practical 2
			Maths for Statistics	Statistics & Modelling	
				Adv. Stats & Modelling	
<b>Physical Education/Health Learning Area</b>					
PE/Health*	PE/Health*	Physical Education	Physical Education	Physical Education	Sports - Coaching
		PE Practical			Sports – Recreation
		Health Matters			Outdoor Education
<b>Science Learning Area</b>					
Science*	Science*	Science <sup>^</sup>	Earth and Space Science	Science	
		Science - Strategies for Understanding Science <sup>^</sup>			
		Science - Understanding Everyday Science <sup>^</sup>			
			Biology	Biology	
			Chemistry	Chemistry	
			Physics	Physics	
			Electronics	Electronics ( <b>NUA</b> )	
<b>Social Sciences Learning Area</b>					
Social Studies/ Poutama* <sup>†</sup>	Social Studies/Poutama* <sup>†</sup>	Geography	Geography	Geography	
History	History	History	History	History – 19 <sup>th</sup> Cent. NZ	NZ Studies
			Classical Studies	Classical Studies	
Consumer Studies	Consumer Studies	Economics	Economics	Economics	Business Studies
		Accounting	Accounting	Accounting	Financial Literacy
		Tourism	Tourism	Tourism ( <b>NUA</b> )	
		Transition	Transition		
		ASDAN	Gateway		
<b>Technology Learning Area</b>					
Design Tech – Found.	Design Tech – Adv.	Design Tech - Materials	Design Tech - Materials	Design Tech ( <b>part NUA</b> )	Design Tech - Jewellery
	Design Tech – Found.	DTE – Pre-Apprentice	DTE – Pre-Apprentice		
Nutrition & Food Tech – Found.	Nutrition & Food Tech – Adv.	Nutrition & Food Tech	Nutrition & Food Tech	Nutrition & Food Tech	Café Cuisine
	Nutrition & Food Tech – Found.				
Graphics – Found.	Graphics – Adv.	Graphics & Design	Graphics & Design	Graphics & Design	
	Graphics – Found.				
Textiles & Design – Found.	Textiles & Design – Adv.	Fashion & Design	Fashion & Design	Fashion & Design	Sewing for Beginners/ Fashion Studio
	Textiles & Design – Found.				Textiles - Fabric Printing
	Digital Technologies (DT)	Digital Technologies (DT)	DT - Computer Sci & Prog	DT - Comp Sci & Prog	Information Technology
			DT – Media	DT – Media	

\* Compulsory course (see course descriptions for precise details)

<sup>^</sup> Compulsory course – choose one English, one maths and one science course

<sup>†</sup> Choose either Social Studies or Poutama

(**NUA**) Not a university approved course in 2012

## Year 11 Subject Prerequisites 2012

Code	Year 11 Subjects	Prerequisites
11ACC	Accounting	Open entry
11ART	Art	Completion of 9ART or 10ART or by submission of portfolio to Subject Leader
11ASD	ASDAN	Open entry – recommendation of Dean or Learning Area Leader, Learning Support
11CBL	Curriculum Based Learning	ESOL students. Recommendation of International Director
11DTE	Design Technology – Materials	Should have a minimum of Achieved in both of the major projects in 10DTA
11DTP	Design Tech – Pre-Apprenticeship	Should have a minimum of Achieved in both of the major projects in 10DTA
11DIT	Digital Technologies	Satisfactory completion of 10DIT or equivalent ICT experience
11DRA	Drama	Satisfactory completion of 9DRA and/or 10DRA, or by contract with Subject Leader
11ECO	Economics	Open entry
11ENG	English	Compulsory
11ESL	English for Speakers of Other Languages (ESOL)	Recommendation of Subject Leader, ESOL
11ESA	ESOL - Academic English	Recommendation of Subject Leader, ESOL
11FDE	Fashion and Design	Completion of 9TXD, 10TXD or 10TXA
11FRE	French	Completion of 10FRE or equivalent French language experience
11GEO	Geography	Open entry
11GER	German	Completion of 10GER or equivalent German language experience
11GRA	Graphics & Design	Completion of 9GRP or 10GRP (recommend 10GRA)
11HEA	Health Matters	Open entry
11HIS	History	Open entry
11JAP	Japanese	Completion of 10JAP or equivalent Japanese language experience
11MRI	Māori	Completion of 10MRI or equivalent Māori language experience
11MAT	Mathematics	Compulsory unless doing 11MAP
11MAP	Mathematics Practical 1	Recommendation of the Learning Area Leader, Mathematics
11MUS	Music	Completion of 10MUA or equivalent music experience in both performance and theory. The ability to read music, while not a prerequisite, is beneficial.
11NFT	Nutrition and Food Technology	Completion of 9NFT or 10NFT (recommend 10NFA)
11PED	Physical Education	Full participation in Year 10 PE. Achieve Year 10 aquatics unit
11PEP	Physical Education – Practical	Full participation in Year 10 PE. Achieve Year 10 aquatics unit
11POU	Poutama	Students to take Te Reo Māori; or by arrangement with Subject Leader
11SCI	Science	A Level 1 Science course is compulsory unless exempted by Dean
11SCS	Science – Strategies for Understanding Science	By application but subject to approval by Learning Area Leader, Science
11SCU	Science – Understanding Everyday Science	Recommendation of Learning Area Leader, Science
11SPA	Spanish	Completion of 10SPA or equivalent Spanish language experience
11TRA	Transition	Open entry

## Year 12 Subject Prerequisites 2012

Code	Year 12 Subjects	Prerequisites
12ACC	Accounting	14 Level 1 Accounting credits
12ART	Art	20 Level 1 Art credits or by submission of portfolio to Subject Leader
12APH	Art – Photography	20 Level 1 Art credits or by submission of portfolio to Subject Leader
12BIO	Biology	16 Level 1 Science credits, including AS 1.9, plus 8 Level 1 English credits
12CHE	Chemistry	16 Level 1 Science credits, including AS 1.5, and 8 Level 1 Maths credits
12CLS	Classical Studies	Entry to either Level 2 English or Level 2 History
12CBL	Curriculum Based Learning	ESOL students. Recommendation of International Director
12DTE	Design Technology – Materials	16 Level 1 credits
12DTP	Design Tech – Pre-Apprenticeship	16 Level 1 credits from 11DTP
12DTC	Digital Technologies - Computer Science & Programming	Satisfactory completion of 11DIT; or equivalent ICT experience with approval of Learning Area Leader
12DTM	Digital Technologies - Media	Satisfactory completion of 11DIT; or equivalent ICT experience with approval of Learning Area Leader
12DRA	Drama	Satisfactory completion of 11DRA or by contract with Subject Leader
12ESS	Earth and Space Science (replaces 12SCI)	16 Level 1 Science credits and 8 Level 1 English credits. (12 Level 1 Science credits with approval from Learning Area Leader, Science)
12ECO	Economics	15 Level 1 Economics credits including AS 1.6 and AS 1.4
12ELT	Electronics	At least 15 Level 1 Maths credits. Ideally students would be enrolled concurrently in NCEA Level 2 Maths, Computing, Physics, Chemistry or Biology
12ENG	English	16 Level 1 English AS credits
12ESL	English for Speakers of Other Languages (ESOL)	Recommendation of Subject Leader, ESOL
12ESA	ESOL – Academic English	Recommendation of Subject Leader, ESOL
12FDE	Fashion and Design	Satisfactory completion of 11FDE
12FRE	French	15 Level 1 French credits or equivalent French language experience
12GTW	Gateway	Complete application process including interview and CV Submission in November
12GEO	Geography	17 Level 1 Geography credits with 2 Merit grades, at least one of which is external (or SL approval), or entry to another Level 2 Social Science if Level 1 Geography was not studied
12GER	German	15 Level 1 German credits or equivalent German language experience
12GRA	Graphics & Design	18 Level 1 Graphics Achievement Standards credits with Merit in Freehand drawing
12HIS	History	16 Level 1 History credits; or if History not studied, entry to Level 2 English (incl. English 1.2 Produce Formal Writing) or 20 Level 1 credits in another Social Science
12JAP	Japanese	15 Level 1 Japanese credits or equivalent Japanese language experience
12MRI	Māori	Achievement of Level 1 Māori or equivalent Māori language experience
12MAT	Mathematics	20 Level 1 Achievement Standard credits (from 2011) with at least 3 standards at Merit level, including 1.2 (Algebra) or 1.3 (Graphs)
12MAS	Mathematics for Statistics	16 Level 1 AS credits (from 2011) including 1.2 (Algebra) or 1.3 (Graphs)
12MED	Media Studies	15 Level 1 English credits
12MUS	Music	Completion of 11MUS or equivalent music experience in both performance and composition.
12NFT	Nutrition and Food Technology	14 Level 1 Food and Nutrition credits. It is recommended that students have achieved AS 1.1 and 1.4
12PED	Physical Education	15 Level 1 Physical Education credits
12PHX	Physics	16 Level 1 Science credits including AS 1.1 plus 8 Level 1 Maths credits
12POU	Poutama	Students to take Te Reo Māori or by arrangement with the Subject Leader
12SPA	Spanish	15 Level 1 Spanish credits or equivalent Spanish language experience
12TOU	Tourism	Open entry
12TRA	Transition	Open entry

## Half Year Course Prerequisites 2012

These half year courses are available to Year 12 and 13 students

Code	Year 11 Subjects	Prerequisites
12BUS	Business Studies	Open entry
12FCC	Café Cuisine	Open entry
12DJW	Design Tech - Jewellery	Open entry
12LIT	English University Entrance Literacy	16 Level 1 English credits
12FNL	Financial Literacy	Open entry
12INT	Information Technology	Open entry. Available to be taken in two half-year blocks
12MAP	Mathematics Practical 2	14 credits at Level 1 or recommendation of Learning Area Leader, Mathematics
12NZS	New Zealand Studies	An intermediate level of English for International students. Students cannot study 12HIS or 13HIS in the same year as 12NZS
12OED	Outdoor Education	Open entry. Available to be taken in two half-year blocks
12PDP	Performance Devised Project	Open entry. Replaces 12MUP. Only available in the second half of the year
12PAP	Performance: Production Process	Open entry
12SCT	Sports – Coaching and Teamwork	Good level of participation and attitude in junior PE and/or 11PE. Active participation in a sport as coach or player.
12SRF	Sports – Recreation and Fitness	Good level of participation and attitude in junior PE and/or 11PE
12TSL	Textiles – Sewing for Beginners/Fashion Studio	Open entry
12TFP	Textiles – Fabric Printing	Open entry

## Year 13 Subject Prerequisites 2012

Code	Year 13 Subjects	Prerequisites
13ACC	Accounting	14 Level 2 Accounting credits
13AHI	Art History	18 Level 2 English credits
13ADE	Art - Design	18 Level 2 Art credits or by submission of portfolio to Subject Leader
13APA	Art - Painting	18 Level 2 Art credits or by submission of portfolio to Subject Leader
13APH	Art - Photography	18 Level 2 Art credits or by submission of portfolio to Subject Leader
13ASC	Art - Sculpture	18 Level 2 Art credits or by submission of portfolio to Subject Leader
13BIO	Biology	18 Level 2 Biology credits
13CHE	Chemistry	16 Level 2 Chemistry credits
13CLS	Classical Studies	19 Level 2 Classics credits; or 18 Level 2 English, History or Geography credits; or subject to Learning Area Leader approval
13CBL	Curriculum Based Learning	ESOL students. Recommendation of International Director
13DTE	Design Tech – Materials	16 Level 2 Design credits (part university approved – 4 credits only)
13DTC	Digital Tech – Computer Science and Programming	Satisfactory completion of 12DTC course or equivalent ICT and Programming experience
13DTM	Digital Tech – Media	Satisfactory completion of 12DTM or equivalent ICT experience
13DRA	Drama	Satisfactory completion of 12DRA or by contract with Subject Leader
13ECO	Economics	15 Level 2/3 Economics credits
13ELT	Electronics	NCET Level 2 gained from 12ELT (or Learning Area Leader approval) (Not a university approved course)
13ENG	English	18 Level 2 English credits
13ESA	ESOL - Academic English	Must be an NCEA Level 3 candidate. Recommendation of Subject Leader, ESOL
13FDE	Fashion and Design	Satisfactory completion of 12FDE
13FRE	French	15 Level 2 French credits or equivalent French language experience
13GEO	Geography	15 Level 2 Geography credits with 1 external Merit grade (or SL approval), or entry to Level 3 History or English if Level 2 Geography was not studied.
13GER	German	15 Level 2 German credits, or equivalent German language experience
13GRA	Graphics & Design	18 Level 2 Graphics credits
13HIN	History - 19 <sup>th</sup> Century New Zealand	20 Level 2 History credits or, if History not studied, 20 Level 2 credits in another Social Science
13JAP	Japanese	15 Level 2 Japanese credits or equivalent Japanese language experience
13MRI	Māori	Achievement in Level 2 Māori or equivalent Māori language experience
13MAC	Mathematics - Calculus	19 Level 2 credits including 2.1 (Algebra) and 2.3 (Calculus) at Merit level, and 2.2 (Graphs), 2.4 (Coordinate Geometry), 2.9 (Trig equations)
13MAS	Mathematics - Statistics and Modelling	A minimum of 16 Level 2 credits including 2.1 (Algebra), 2.2 (Graphs), 2.5 (Statistics) and 2.6 (Probability); or the equivalent Unit Standards 5246 (Algebra) and 5250 (Probability)
13MAX	Mathematics – Advanced Statistics & Modelling	Successful completion of the 13MAC course in Year 12 or an Excellence endorsement for Level 2 Mathematics (or approval of Learning Area Leader)
13MED	Media Studies	15 Level 2 Media Studies credits; or 15 Level 2 English credits
13MUS	Music	Completion of 12MUS or equivalent music experience in both performance and composition
13NFT	Nutrition and Food Technology	15 Level 2 Food and Nutrition credits
13PED	Physical Education	17 Level 2 Physical Education credits
13PHX	Physics	18 Level 2 Physics credits
13POU	Poutama	Students to take Te Reo Māori or by arrangement with the Subject Leader
13SCI	Science	16 Level 2 credits in one of the Level 2 Science courses
13SPA	Spanish	15 Level 2 Spanish credits or equivalent Spanish language experience
13TOU	Tourism	16 Level 2 Tourism credits; or 18 Social Science credits (Not a university approved course)

# Literacy and Numeracy for Level 1 Certificates

The ways in which a student could gain literacy and numeracy requirements for a Level 1 NCEA certificate changed in 2011. English, Te Reo and Mathematics standards contribute to the 10 literacy and 10 numeracy credits as in the past, but a wide range of other standards in other courses also help students to meet this requirement. The literacy and numeracy credits generated by courses are summarised in the Year 11 Courses section on the following pages but here is the overview.

Code	Year 11 Subjects	Number of literacy credits available in this course	Number of numeracy credits available in this course
11ACC	Accounting	11	0
11ART	Art	0	0
11ASD	ASDAN	0	0
11CBL	Curriculum Based Learning	0	0
11DTE	Design Technology – Materials	4	0
11DTP	Design Tech – Pre-Apprenticeship	0	0
11DIT	Digital Technologies	6	0
11DRA	Drama	22	0
11ECO	Economics	20	0
11ENG	English	24	0
11ESL	English for Speakers of Other Languages (ESOL)	0	0
11ESA	ESOL – Academic English	10	0
11FDE	Fashion and Design	7	0
11FRE	French	0	0
11GEO	Geography	18	8
11GER	German	0	0
11GRA	Graphics	4	6
11HEA	Health Matters	20	0
11HIS	History	24	0
11JAP	Japanese	0	0
11MRI	Māori	24	0
11MAT	Mathematics	0	24
11MAP	Mathematics Practical 1	0	Up to 18
11MUS	Music	4	0
11NFT	Nutrition and Food Technology	18	0
11PED	Physical Education	12	0
11PEP	Physical Education – Practical	0	0
11POU	Poutama	0	0
11SCI	Science	12	4
11SCS	Science – Strategies for Understanding Science	4	8
11SCU	Science – Understanding Everyday Science	8	8
11SPA	Spanish	0	0
11TRA	Transition	0	0

# Year 11 Courses 2012

All students take English and Mathematics; and Science (compulsory unless exempted by Dean); plus three other subjects. All courses are full year.

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## **ACCOUNTING CODE: 11ACC**

**Prerequisites**  
Open entry

### **Course Description**

This course focuses on accounting for individuals, community organisations, and sole proprietor businesses. It includes preparing financial reports and analysing the profitability of businesses.

### **Assessment**

NCEA Level 1 Achievement Standards  
9 credits internally assessed  
12 credits externally assessed

### **Level 1 Literacy and Numeracy Credits**

This course generates:  
11 literacy credits at Level 1

**Costs:** \$33 for workbooks

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## **ART CODE: 11ART**

**Prerequisites**  
Completion of 9ART or 10ART or submission of portfolio of equivalent standard to Subject Leader

### **Course Description**

Students will study a range of art disciplines including drawing, painting, sculpture and printmaking. Studies will be set around a theme and related artist models. Students will produce a folio of work for external assessment.

### **Assessment**

NCEA Level 1 Achievement Standards  
8 credits internally assessed  
12 credits externally assessed

**Costs:** \$40 for art materials  
Purchase of personal art equipment

**EOTC:** 1 day gallery trip

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## **ASDAN CODE: 11ASD**

**Prerequisites**  
Open entry - recommendation of Dean or Learning Area Leader, Learning Support

### **Course Description**

ASDAN is a portfolio evidenced course based around developing the student's abilities in the Key Competencies. Students will complete a wide range of challenges and activities at school, in the home and in the wider community to build a portfolio of evidence that displays what they can do and what they have achieved. Students can work on a level of programme designed both to match their ability and interests and to extend and develop their skills and

experiences. All ASDAN students will undertake a school based work experience placement and possibly one in the wider community. ASDAN Schemes of work are recognised by NZQA.

### **Assessments**

Internal and external moderation  
Certificate of Achievement based  
ASDAN Silver level – 20 Level 1 Credit Inclusions

**Costs:** \$40 for ASDAN books, portfolio set up and moderation / certification

---

## **CURRICULUM BASED LEARNING CODE: 11CBL**

### **Prerequisites**

ESOL students. Recommendation of International Director.

### **Course Description**

This course is designed for students for whom English is a second language, so that they get extra support needed to cope with the language demands of academic courses they are taking, such as mathematics, science and economics. It will be tailored to suit the needs of the students.

**Costs:** Nil

---

## **DESIGN TECHNOLOGY - MATERIALS CODE: 11DTE**

### **Prerequisites**

Should have a minimum of Achieved in both of the major projects in 10DTA

### **Course Description**

Students will complete three practical projects with supporting design and written work. The projects will be based around design problems that will encourage individual responses to the set problems. Students will be expected to work with a range of different materials.

### **Assessment**

Students will be assessed using Achievement Standards, gaining credits towards Level 1 NCEA. There are likely to be 18 credits available including both internally and externally assessed standards.

### **Level 1 Literacy and Numeracy Credits**

This course generates:  
4 literacy credits at Level 1

**Costs:** \$70 (approximately) for material cost

---

## **DESIGN TECHNOLOGY – PRE-APPRENTICESHIP CODE: 11DTP**

### **Prerequisites**

Should have a minimum of Achieved in both of the major projects in 10DTA

### Course Description

The course is intended for students who are likely to move on to, or who are considering a future in the construction industry. The emphasis is on providing students with practical construction skills. If students continue with 12DTP, and gain the required Unit Standards, they will receive a National Certificate in Elementary Construction Skills.

### Assessment

Students will be internally assessed using industry based Unit Standards, gaining credits towards Level 1 NCEA. A total of 25 credits are available.

**Costs:** \$70 for materials

---

## DIGITAL TECHNOLOGIES

**CODE: 11DIT**

### Prerequisites

Satisfactory completion of 10DIT or equivalent ICT experience

### Course Description

This course focuses on the basic tools needed to live in a digitised, computerised and programmable world. Fluency in digital technologies enables students to make informed decisions as they live in a digital world. This course includes learning in:

- Digital information
- Digital media
- Programming and computer science

### Assessment

NCEA Level 1 Achievement Standards (both internally and externally assessed) to a total of 20 credits.

### Level 1 Literacy and Numeracy Credits

This course generates:  
6 literacy credits at Level 1

**Costs:** \$20 for materials

---

## DRAMA

**CODE: 11DRA**

### Prerequisites

Satisfactory completion of 9DRA and/or 10DRA; or by contract with Subject Leader

### Course Description

- Apply drama techniques in a dramatic context
- Devise and perform a drama
- Select and use features of a drama/theatre form in a performance
- Perform an acting role in a scripted production
- Demonstrate understanding of features of drama/theatre form OR the use of drama aspects within live performance

### Assessment

NCEA Level 1 Achievement Standards  
18 credits internally assessed  
4 credits externally assessed

### Level 1 Literacy and Numeracy Credits

This course generates:

22 literacy credits at Level 1

**Costs:** \$30 for production costs

**EOTC:** 1 day rehearsal

---

## ECONOMICS

**CODE: 11ECO**

### Prerequisites

Open entry

### Course Description

This course is about the decisions made by households, businesses and government and how they interact with each other. A study is then made on how these decisions affect the overall economy.

### Assessment

NCEA Level 1 Achievement Standards  
8 credits internally assessed  
12 credits externally assessed

### Level 1 Literacy and Numeracy Credits

This course generates:  
20 literacy credits at Level 1

**Costs:** \$15 - \$20 for student workbook (subject to availability)

**EOTC:** ½ day City trip

---

## ENGLISH

**CODE: 11ENG**

### Prerequisites

Compulsory

### Course Description

The course aims to apply clear communication skills in all aspects of literacy. This covers written, visual and oral language.

### Assessment

NCEA Level 1 Achievement Standards  
9 credits internally assessed: plus 'Independently read and respond to texts' (3 credits) if not already completed in Year 10  
12 credits externally assessed

### Level 1 Literacy and Numeracy Credits

This course generates:  
24 literacy credits at Level 1

**Costs:** \$15 for course booklets

---

## ENGLISH FOR SPEAKERS OF OTHER LANGUAGES (ESOL)

**CODE: 11ESL**

### Prerequisites

Recommendation of Subject Leader, ESOL

### Course Description

This course is for new speakers of English who are at an ELLP (English Language Learning Progressions) stage of Foundation to Level 1. The course aims to improve overall

language proficiency in reading, writing, listening and speaking, complemented by an extensive vocabulary programme.

#### **Assessment**

The aim of the course is to improve general language skills, but ESOL unit standards may be offered where appropriate.

**Costs:** \$15 for course materials, Bilingual dictionary, \$80 for Pitman Exam (optional)

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### **ENGLISH FOR SPEAKERS OF OTHER LANGUAGES (ESOL) – ACADEMIC ENGLISH**

**CODE: 11ESA**

#### **Prerequisites**

Recommendation of Subject Leader, ESOL

#### **Course Description**

This course is for new speakers of English who are at an ELLP (English Language Learning Progressions) stage of Level 2 to Level 3. The course aims to improve overall language proficiency in reading, writing, listening and speaking, complemented by an extensive vocabulary programme. Level 1 English Achievement Standards are offered in order for students to obtain literacy credits.

#### **Level 1 Literacy and Numeracy Credits**

This course generates:  
10 literacy credits at Level 1

**Costs:** \$15 for course materials  
Bilingual dictionary  
\$80 for Pitman Exam (optional)

---

### **FASHION & DESIGN**

**CODE: 11FDE**

#### **Prerequisites**

Completion of 9TXD, 10TXD or 10TXA

#### **Course Description**

This course builds essential skills and knowledge for students who are interested in a career path in Fashion Design, or for those who love to design and sew as a creative outlet. Thinking, problem solving and managing self are competencies which are key in this subject. Students will complete four practical assignments with supporting research and design work:

1. Building Blocks: garment construction and pattern knowledge
2. Fashion Designer: design inspiration and design elements
3. The Big Event: fibres and fabrics – designing a personal outfit
4. Exposure: end of year exhibition (presentation skills)

#### **Assessment**

Students will be assessed using a range of internal and external Technology Achievement Standards (external: 3 credits, internal: 16 credits). These provide credits towards level 1 NCEA and subject endorsement

#### **Level 1 Literacy and Numeracy Credits**

This course generates:  
7 literacy credits at Level 1

**Costs:** \$35 for course fees plus fabric, notions and patterns

### **FRENCH**

**CODE: 11FRE**

#### **Prerequisites**

Completion of 10FRE or equivalent French language experience

#### **Course Description**

The following topics are studied:

- Holidays and travel
- Sport and leisure
- Talking about future plans and the past
- Home and daily routines
- Eating and drinking out
- School
- Health
- One's country

#### **Assessment**

NCEA Level 1 Achievement Standards  
14 credits internally assessed  
10 credits externally assessed

**Costs:** \$10 for workbook, \$15 for Language Perfect subscription

---

### **GEOGRAPHY**

**CODE: 11GEO**

#### **Prerequisites**

Open entry

#### **Course Description**

Students will study the following three topics which are externally assessed:

- Extreme natural events – earthquakes in New Zealand and/or tropical cyclones in the Southwest Pacific
- Population geography concepts with a focus on New Zealand and Asia
- Geographical skills and concepts

Students will also undertake as internal assessment:

- Directed local geographic research
- A contemporary geographic issue and possible courses of action
- A global geographic pattern, its causes and significance

#### **Assessment**

NCEA Level 1 Achievement Standards  
12 credits internally assessed  
10 credits externally assessed

#### **Level 1 Literacy and Numeracy Credits**

This course generates:  
18 literacy credits at Level 1  
8 numeracy credits at Level 1

**Costs:** \$15 for field trip, \$16 for AS1.4 workbook

---

### **GERMAN**

**CODE: 11GER**

#### **Prerequisites**

Completion of 10GER or equivalent German language experience

#### **Course Description**

The following topics are studied:

- New Zealand/Germany geography
- Travel
- Food
- School systems New Zealand/Germany
- Sport/hobbies
- Family and home
- Health

#### Assessment

NCEA Level 1 Achievement Standards  
14 credits internally assessed  
10 credits externally assessed

**Costs:** \$10 for workbook, \$15 for Language Perfect subscription

---

### GRAPHICS & DESIGN

**CODE: 11GRA**

#### Prerequisites

Completion of 9GRP or 10GRP (recommend 10GRA)

#### Course Description

Students work on two design briefs in the areas of product design and spatial design. A study of design history is included at this level. The work done in these briefs contributes to the internally assessed standards and the externally assessed standards by portfolio. The briefs present creative and stimulating design challenges. Students develop their practice based on the design process, visual communication skills and techniques, and design heritage.

#### Assessment

NCEA Level 1 Achievement Standards  
12 credits internally assessed  
12 credits externally assessed (by portfolio)

#### Level 1 Literacy and Numeracy Credits

This course generates:  
4 literacy credits at Level 1  
6 numeracy credits at Level 1

**Costs:** \$20 (approximately) for personal equipment

---

### HEALTH MATTERS

**CODE: 11HEA**

#### Prerequisites

Open entry

#### Course Description

The course covers key areas designed to develop students' knowledge, skills, attitude and motivation to make informed choices and to act in ways that contribute to their own well-being and that of society. These areas include:

- Hauora (well-being)
- Stress and change
- Interpersonal skills
- Sexuality
- Drug education

#### Assessment

NCEA Level 1 Achievement Standards  
16 credits internally assessed  
4 credits externally assessed

### Level 1 Literacy and Numeracy Credits

This course generates:  
20 literacy credits at Level 1

**Costs:** \$20 for course booklet

---

### HISTORY

**CODE: 11HIS**

#### Prerequisites

Open entry

#### Course Description

This course aims to develop students' understanding of key developments in history and to develop the key skills of:

- Historical investigation and communication of historical ideas
- Resource interpretation
- Understanding different perspectives
- Essay writing

Topics will include:

- Origins of World War II, 1919-1941
- Black civil rights in the USA, 1954-1970
- New Zealand's search for security 1945-1985

Students will also:

- Carry out two historical investigations
- Communicate historical ideas in a variety of different formats, e.g. essay, newspaper page

#### Assessment

NCEA Level 1 Achievement Standards  
12 credits internally assessed  
8 credits externally assessed

### Level 1 Literacy and Numeracy Credits

This course generates:  
24 literacy credits at Level 1

**Costs:** Nil

---

### JAPANESE

**CODE: 11JAP**

#### Prerequisites

Completion of 10JAP or equivalent Japanese language experience

#### Course Description

Students learn 50 Kanji for reading and writing. Topics covered include:

- My town (giving directions, hobbies, leisure activities)
- Food and drink (shopping, family, time, days and numbers)
- Travel (weather, health)
- Japanese school

#### Assessment

NCEA Level 1 Achievement Standards  
14 credits internally assessed  
10 credits externally assessed

**Costs:** \$5 for Kanji book, \$15 for Level 1 workbook, \$15 for Language Perfect subscription

---

## MĀORI

**CODE: 11MRI**

### Prerequisites

Completion of 10MRI or equivalent Māori language experience

### Course Description

Topics covered include:

- Entertainment
- Māori gatherings
- Sport and leisure
- Holidays and travel
- World events, the future, famous people

### Assessment

NCEA Level 1 Achievement Standards  
12 credits internally assessed  
12 credits externally assessed

### Level 1 Literacy and Numeracy Credits

This course generates:  
24 literacy credits at Level 1

**Costs:** \$15 for Vocab2Go subscription, \$17 for Year 11 workbook

---

## MATHEMATICS

**CODE: 11MAT**

### Prerequisites

Compulsory unless doing 11MAP

### Course Description

Topics covered will include:

- Number problems
- Algebra
- Geometrical reasoning
- Statistics
- Trigonometry
- Linear and quadratic graphs
- Probability

### Assessment

6 NCEA Level 1 Achievement Standards  
12 credits internally assessed  
12 credits externally assessed  
Some classes may do additional or alternative standards

### Level 1 Literacy and Numeracy Credits

This course generates:  
24 numeracy credits at Level 1

**Costs:** \$20 for homework book

---

## MATHEMATICS PRACTICAL 1

**CODE: 11MAP**

### Prerequisites

Recommendation of Learning Area Leader

### Course Description

This course is designed for students who have often found mathematics difficult. It focuses on acquiring the numeracy skills required for a Level 1 NCEA, and improving practical and financial skills and confidence. Topics covered will include:

- Arithmetic skills

- Tables and graphs
- Percentages, fractions and decimals
- Statistics and Probability
- Measurement

Extra topics will be chosen from:

- Trigonometry
- Geometry
- Algebra

### Assessment

NCEA Level 1 Numeracy Unit Standards (10 credits) and a selection of additional Unit and Achievement Standards

### Level 1 Literacy and Numeracy Credits

This course generates:  
Up to 18 numeracy credits at Level 1

**Costs:** \$20 for workbook

---

## MUSIC

**CODE: 11MUS**

### Prerequisites

Completion of 10MUA or equivalent music experience in both performance and theory. The ability to read music, while not a prerequisite, is beneficial.

### Course Description

- Performance: two solo works
- Composition: compose two pieces
- Aural skills: rhythm and melodic dictation, chords, general perception and score reading

### Assessment

NCEA Level 1 Achievement Standards  
12 credits internally assessed  
8 credits externally assessed

### Level 1 Literacy and Numeracy Credits

This course generates:  
4 literacy credits at Level 1

**Costs** \$10 for course materials, \$100 for instrument learning scheme (MILS, if applicable)

---

## NUTRITION & FOOD TECHNOLOGY

**CODE: 11NFT**

### Prerequisites

Completion of 9NFT or 10NFT (recommend 10NFA)

### Course Description

Students evaluate current nutritional issues, identify and reflect on factors that influence food choice and behaviour, and use this knowledge to make informed decisions to enhance their wellbeing.

### Assessment

NCEA Level 1 Achievement Standards  
14 credits internally assessed  
4 credits externally assessed

### Level 1 Literacy and Numeracy Credits

This course generates:  
18 literacy credits at Level 1

**Costs:** \$35 for materials, some food supplies

---

## PHYSICAL EDUCATION

**CODE: 11PED**

### Prerequisites

Full participation in Year 10 PE  
Achieved Year 10 Aquatics Unit

### Course Description

Four spells per week (three practical and one theory (in a classroom))

- Hauora/Wellbeing – focus on active lifestyle and its influences (fitness/sports)
- Anatomy/Physiology/Biomechanics – examine body structures using Tae Bo fitness classes
- Quality of Movement – performance and evaluative of a Triathlon
- Interpersonal Skills – focus on team games to evaluate social responsibility, team roles, skill development and game knowledge using 'Ultimate Frizbee'

### Assessment

NCEA Level 1 Achievement Standards;  
20 credits internally assessed

### Level 1 Literacy and Numeracy Credits

This course generates:  
12 literacy credits at Level 1

**Costs:** \$50 for entry into community sports facilities  
Bicycle for triathlon

**EOTC:** ½ day triathlon, 1 day athletics, 1 spell cross-country

---

## PHYSICAL EDUCATION PRACTICAL

**CODE: 11PEP**

### Prerequisites

Full participation in Year 10 PE  
Achieved Year 10 Aquatics Unit

### Course Description

This course aims to encourage students to be physically active and to develop a belief in lifetime exercise. It will provide access to a range of recreational resources/facilities in the community and provide students with the opportunity to participate in regular physical activity. Areas covered will include:

- Adventure Based Learning
- Weight training
- Swimming/triathlon
- Pentathlon/heptathlon
- Officiating
- Team games

### Assessment

NCEA Level 1 Achievement and Unit Standards  
11 credits minimum  
Athletics, swimming awards and certificates

**Costs:** \$50 for entry into community sports facilities

**EOTC:** 4 days various activities, 1 day athletics, ½ day triathlon, 1 spell cross-country

---

## POUTAMA

**CODE: 11POU**

### Prerequisites

Students to take Te Reo Māori; or by arrangement with the Subject Leader

### Course Description

Ko te kaupapa matua o te ropu Poutama kia whakakaha nga tikanga me nga momo mea katoa o te iwi Māori ki roto i te kura nei, hei ora, hei tu kaha nga tauira Māori i te ao Māori me te ao whanui hoki.

Ko etahi o nga tikanga nui kia arahi ai, ko te manaakitanga, ko te whanaungatanga, ko te reo Māori. Ko nga kaupapa ako o ia karaehe; Mau Taiaha, Kapa Haka, Tikanga me etahi atu momo mahi.

Mehemea, kei te pirangi te tauira te tu ki tenei karaehe, me whiriwhiri hoki te karaehe mo Te Reo Māori.

Poutama aims to uplift Māori things in our school. Poutama also aims to strengthen Māori student confidence in things Māori and also promote Māori student success in the wider school community. Our guiding principles include, manaakitanga, whanaungatanga and Te Reo Māori. Some of our areas of study may include Taiaha, Kapa Haka and tikanga Māori. Students who wish to do Poutama are expected to take Te Reo Māori as one of their options.

### Assessment

Students may have the opportunity to achieve some NCEA Unit Standards and to work towards the Te Waharoa qualification

**Costs:** Koha to Marae

---

## SCIENCE – General Science

**CODE: 11SCI**

### Prerequisites

A Level 1 science course is compulsory unless exempted by Dean

### Course Description

Topics covered include:

- Exploration of astronomical and Earth science events
- Significance of Wellington's local surface features
- Foundation chemistry including the reactions of acids and bases
- Biological ideas relating to genetic variation
- Investigation of the mechanics of motion

### Assessment

NCEA Level 1 Achievement Standards  
8 credits internally assessed  
12 credits externally assessed

### Level 1 Literacy and Numeracy Credits

This course generates:  
12 literacy credits at Level 1  
4 numeracy credits at Level 1

**Costs:** \$25 (approximately) for workbooks

---

## SCIENCE – Strategies for Understanding Science

CODE: 11SCS

### Prerequisites

By application but subject to approval of the Learning Area Leader

### Course Description

This course has a strong focus on literacy strategies and study skills. Students who succeed in 11SCS may progress on to any of the Level 2 Science courses.

Topics covered include:

- Foundation chemistry including the reactions of acids and bases
- Biological ideas relating to genetic variation
- Investigation of the mechanics of motion
- Practical investigation in a biology context

### Assessment

NCEA Level 1 Achievement Standards  
4 credits internally assessed  
12 credits externally assessed

### Level 1 Literacy and Numeracy Credits

This course generates:  
4 literacy credits at Level 1  
8 numeracy credits at Level 1

Costs: \$25 (approximately) for workbooks

---

## SCIENCE – Understanding Everyday Science

CODE: 11SCU

### Prerequisites

Recommendation of the Learning Area Leader

### Course Description

This course provides a two-year pathway in science at Level 1.

Topics for 2012 include:

- Investigate implications of heat for everyday life
- Investigate the implications of the properties of metals for their use in society
- Investigate biological ideas relating to interactions between humans and micro-organisms
- Reading texts with understanding
- Use measurement to solve problems

### Assessment

NCEA Level 1 Achievement Standards and Unit Standards  
16 credits internally assessed

### Level 1 Literacy and Numeracy Credits

This course generates:  
8 literacy credits at Level 1  
8 numeracy credits at Level 1

Costs: Nil

---

## SPANISH

CODE: 11SPA

### Prerequisites

Completion of 10SPA; or equivalent Spanish language experience

### Course Description

Intended as an entry level language course

The following topics are studied:

- Greetings and personal information
- School
- Daily routine
- Family
- Time expressions
- Likes and dislikes
- Food and eating out
- Describing people
- Talking about future plans and the past
- Spanish-speaking countries

### Assessment

NCEA Level 1 Achievement Standards  
14 credits internally assessed  
10 credits externally assessed

Costs: \$20 for workbook, \$15 for Language Perfect subscription

---

## TRANSITION

CODE: 11TRA

### Prerequisites

Open entry

### Course Description

This course has been focussed on the personal well-being (Hauora) of participating students. It offers a range of topics designed to get you thinking about life choices and wellbeing. Some students will have the opportunity to participate in the ASDAN Award Scheme at Bronze and Silver level. This scheme allows them to create a 'portfolio of evidence' showcasing the skills and competencies they are developing in and out of school. At silver level the ASDAN Award is rewarded with 20 Level 1 'credit inclusions'. More information on this scheme can be found at [www.asdan.co.nz](http://www.asdan.co.nz).

Topic areas include:

- Lifestyle choices
- Group participation
- Sexuality decisions
- Road code
- Anger management
- Alcohol, drugs and smoking
- Personal and social development through participation in Adventure-based Learning

### Assessment

NCEA Level 1 Unit Standards  
15 credits internally assessed

Costs: \$25 for visits, \$40 for ASDAN Award Scheme (optional)

EOTC: 5 days Adventure-based Learning

# Year 12 Courses 2012

All students take English plus the equivalent of four or five other fulltime subjects. These may be selected from this list, Year 11 courses, and/or the half year programme. Study is unsupervised.

**NB: A full six subject programme entails a high assessment workload.** If this is a concern the chosen programme could include a block of study, a half year course or a course with a lower assessment load.

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## **ACCOUNTING CODE: 12ACC**

### **Prerequisites**

14 Level 1 Accounting credits

### **Course Description**

This course builds on the Level 1 study of accounting for a sole proprietor. The emphasis is on the accounting system that provides for management of a business. It includes a computer module using the MYOB computer accounting package.

### **Assessment**

NCEA Level 2 Achievement Standards  
3 credits internally assessed  
16 credits externally assessed

**Costs:** \$25 for workbooks

---

## **ART CODE: 12ART**

### **Prerequisites**

20 Level 1 Art credits or submission of portfolio of equivalent standard to Subject Leader

### **Course Description**

Students will demonstrate in their work a study of methods used by artists to treat ideas and subject matter. Practical work will explore a range of processes and materials used in painting and design.

### **Assessment**

NCEA Level 2 Achievement Standards  
20 credits internally assessed

**Costs:** \$40 for art materials, purchase of personal art equipment

---

## **ART – PHOTOGRAPHY CODE: 12APH**

### **Prerequisites**

20 Level 1 Art credits or submission of portfolio of equivalent standard to Subject Leader

### **Course Description**

The course will cover the following areas:

- Camera and functions
- Understanding techniques such as film processing, developing prints, manipulating images
- Digital manipulation with Photoshop CS4
- The work of photographers and sequential exploration of visual ideas

### **Assessment**

NCEA Level 2 Achievement Standards  
8 credits internally assessed  
12 credits externally assessed

**Costs:** \$40 (approximately) for paper and film, \$40 for chemicals, camera (manual, single lens reflex analogue or digital)

**EOTC:** 2 x ½ day gallery visits

---

## **BIOLOGY CODE: 12BIO**

### **Prerequisites**

16 Level 1 Science credits (including AS 1.9), plus 8 Level 1 English credits. Students with less than 16 credits need to apply to Subject Leader for provisional entry.

### **Course Description**

Topics covered include:

- Investigations in various biological contexts, involving microscopy, field skills and laboratory techniques
- Gene Expression: how DNA acts as the basis of phenotype for all organisms
- Cell Biology: basic cell structure and key life processes that occur inside cells
- Ecology: how organisms are adapted to live in their habitat and interact with other organisms and the environment

### **Assessment**

NCEA Level 2 Achievement Standards  
8 credits externally assessed  
11 credits internally assessed

**Costs:** \$25 (approximately) for workbooks,  
\$15 (approximately) for field trip

**EOTC:** 1 day shore study

---

## **CHEMISTRY CODE: 12CHE**

### **Prerequisites**

16 Level 1 Science credits including AS 1.5, and 8 Level 1 Maths credits. Students with less than 16 credits need to apply to TIC for provisional entry.

### **Course Description**

Topics covered include:

- Atomic structure, bonding and energy changes
- Quantitative chemistry
- Oxidation and reduction
- Organic chemistry
- Acids and bases

- Inorganic chemistry
- Equilibrium

#### Assessment

NCEA Level 2 Achievement Standards  
10 credits internally assessed  
13 credits externally assessed

**Costs:** \$25 for workbook

---

#### CLASSICAL STUDIES CODE: 12CLS

##### Prerequisites

Entry to either Level 2 History or Level 2 English

##### Course Description

- Overview of Ancient Greek and Roman civilisations including development of democracy
- Greek and Roman mythology
- Homer's Odyssey
- Classical architecture and sculpture
- Roman Politics: the Republic, the Age of Caesar, Pompey and Cicero
- Roman social life

##### Assessment

NCEA Level 2 Achievement Standards  
9 credits internally assessed  
15 credits externally assessed

**Costs:** \$8 for course materials  
\$13-15 for drama performances (including buses)

**EOTC:** Proposed trip to Greece and Italy in 2012, \$8000-\$8500

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#### CURRICULUM BASED LEARNING CODE: 12CBL

##### Prerequisites

ESOL students. Recommendation of International Director.

##### Course Description

This course is designed for students for whom English is a second language, so that they get extra support needed to cope with the language demands of academic courses they are taking, such as mathematics, science and economics. It will be tailored to suit the needs of the students.

**Costs:** Nil

---

#### DESIGN TECHNOLOGY - MATERIALS CODE: 12DTE

##### Prerequisites

16 Level 1 credits

##### Course Description

Students will complete three practical projects with supporting design and written work. The projects will be based around design problems which will encourage individual responses to the set problems. Students will be

expected to work to a high standard with a number of different materials and technologies.

#### Assessment

Students will be assessed using Achievement Standards, gaining credits towards Level 2 NCEA. There will likely be 18 credits internally and externally assessed.

**Costs:** \$80 (approximately) for material costs

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#### DESIGN TECHNOLOGY – PRE-APPRENTICESHIP CODE: 12DTP

##### Prerequisites

16 credits from 11DTP

##### Course Description

The course is intended for students who are likely to move on to, or who are considering a future in the construction industry. The emphasis is on providing students with practical construction skills.

##### Assessment

NCEA Unit Standards gaining 22 credits towards National Certificate in Elementary Construction Skills.

**Costs:** \$80 for materials

---

#### DIGITAL TECHNOLOGIES – COMPUTER SCIENCE AND PROGRAMMING CODE: 12DTC

##### Prerequisites

Satisfactory completion of 11DIT or equivalent ICT experience (by permission of Learning Area Leader)

##### Course Description

This course includes learning in:

- Computer Science
- Algorithm Design
- Programming

Students will also cover material from COMP 102, Victoria University's first-year computer science course. This work will extend into 13DTC, and students who perform well in these courses may be exempted from COMP 102.

##### Assessment

NCEA Level 2 Achievement Standards  
12 credits internally assessed  
4 credits externally assessed

**Costs:** \$20 for materials

---

#### DIGITAL TECHNOLOGIES - MEDIA CODE: 12DTM

##### Prerequisites

Satisfactory completion of 11DIT or equivalent ICT experience (by permission of Learning Area Leader)

##### Course Description

This course includes learning in:

- Digital Information
- Digital Media

#### Assessment

NCEA Level 2 Achievement Standards  
14 credits internally assessed  
3 credits externally assessed

**Costs:** \$20 for materials

---

#### DRAMA

**CODE: 12DRA**

#### Prerequisites

Satisfactory completion of 11DRA, or by contract with Subject Leader

#### Course Description

- Apply drama techniques in a scripted context
- Devise and perform drama to realise an intention
- Perform a substantial acting role in a scripted production
- 1 of: Perform features of a complex drama/theatre form; Script a scene suitable for drama performance
- Discuss drama elements, techniques, conventions and technologies within live performance

#### Assessment

NCEA Level 2 Achievement Standards  
18 credits internally assessed  
4 credits externally assessed

**Costs:** \$30 for production costs. There may be other costs involved in that students will be encouraged to attend local theatre events.

**EOTC:** 1 day rehearsal

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#### EARTH AND SPACE SCIENCE (replaces 12SCI)

**CODE: 12ESS**

#### Prerequisites

16 Level 1 Science credits and 8 Level 1 English credits. (12 Level 1 Science credits with approval from Learning Area Leader)

#### Course Description

This course covers a rich variety of science topics and contexts. 12ESS is ideal for students wishing to take a science to complement their studies in areas such as geography or media studies, or as a useful addition to one of the specialty science courses. It offers a flexible assessment pathway, using Level 2 standards mainly from the Earth and Space Science curriculum, but also drawing from Biology, Chemistry and Physics.

The main topics covered are:

- Explore the way science is communicated to, and used by, the public
- Carry out a practical Earth and Space Science investigation
- Demonstrate an understanding of extreme Earth events
- Demonstrate understanding of stars and planetary systems

- Investigate how organisms are adapted to survive a range of environments.

#### Assessment

NCEA Level 2 Achievement Standards  
12 credits internally assessed  
8 credits externally assessed

**Costs:** Nil

---

#### ECONOMICS

**CODE: 12ECO**

#### Prerequisites

15 Level 1 Economics credits including AS 1.6 and AS 1.4

#### Course Description

This course develops an understanding of the nature of the New Zealand economy by exploring the economic issues of:

- International Trade
- Economic Growth
- Inflation

#### Assessment

NCEA Level 2 Achievement Standards  
10/8 credits internally assessed  
12 credits externally assessed

NCEA Level 3 Achievement Standards  
6 credits externally assessed (optional)

**Costs:** \$25 for workbook

**EOTC:** Reserve Bank of New Zealand Visit

---

#### ELECTRONICS

**CODE: 12ELT**

#### Prerequisites

At least 15 Level 1 Maths credits  
Ideally students would be enrolled concurrently in NCEA Level 2 Maths, Computing, Physics, Chemistry or Biology

#### Course Description

- Introduction to circuit concepts and electronic measurements
- Basic electronics components and systems
- Construction of printed circuits and electronic products

#### Assessment

NCEA Level 2 Unit Standards  
Credits contribute towards NCEA and either ETITO Certificate of Attainment OR National Certificate in Electronics Technology

**Costs:** \$50-\$100 for take-home components or kitsets (depending on student choice), \$20 for Lab Manual

---

#### ENGLISH

**CODE: 12ENG**

#### Prerequisites

16 Level 1 English AS credits

**Course Description**

This course is designed to enable students to apply clear communication skills in all aspects of literacy. This course covers written, visual and oral language.

**Assessment**

NCEA Level 2 Achievement Standards  
12 credits internally assessed  
12 credits externally assessed

**Costs:** \$15 for course booklets

---

**ENGLISH FOR SPEAKERS OF OTHER LANGUAGES (ESOL)**

**CODE: 12ESL**

**Prerequisites**

Recommendation from the Subject Leader, ESOL

**Course Description**

This course is for new speakers of English who are at an ELLP (English Language Learning Progressions) stage of Foundation to Level 1.

The course aims to improve overall language proficiency in reading, writing, listening and speaking, complemented by an extensive vocabulary programme.

**Assessment**

The aim of the course is to improve general language skills, but ESOL Unit Standards may be offered where appropriate.

**Costs:** \$15 for course materials, Bilingual dictionary, \$80 for Pitman Exam (optional)

---

**ENGLISH FOR SPEAKERS OF OTHER LANGUAGES (ESOL) – ACADEMIC ENGLISH**

**CODE: 12ESA**

**Prerequisites**

Recommendation of Subject Leader, ESOL

**Course Description**

This course is for new speakers of English who are at an ELLP (English Language Learning Progressions) stage of Level 2 to Level 3.

The course aims to improve overall language proficiency in reading, writing, listening and speaking, complemented by an extensive vocabulary programme. Level 3 ESOL Unit Standards are offered where appropriate.

**Costs:** \$15 for course materials, Bilingual dictionary, \$80 for Pitman Exam (optional)

---

**FASHION & DESIGN**

**CODE: 12FDE**

**Prerequisites**

Satisfactory completion of 11FDE

**Course Description**

This course further develops skills and knowledge for students who are interested in Fashion Design, or for those who love to design and sew. A study of fashion history, and more advanced construction and illustration skills are included at this level. Students will complete two major

practical assignments with supporting research and design work:

1. Retro: creative fabric decoration techniques with an historical reference
2. The Perfect Fit: tailoring skills, the fashion industry and sustainable practice

**Students will experience:**

- Practical projects with accompanying design and written work
- Research tasks to develop investigative skills and subject knowledge
- A range of specialist equipment

**Assessment**

Students will be assessed using a range of internal and external technology Achievement Standards (external: 4 credits\*, internal: 15 credits\*) providing credits towards Level 2 NCEA and subject endorsement

\* the new Level 2 technology standards are currently in draft form, final choice of standards and the credit totals will be confirmed when final standards are published.

**Costs:** \$35 plus fabric, patterns and notions

---

**FRENCH**

**CODE: 12FRE**

**Prerequisites**

15 Level 1 French credits or equivalent French language experience

**Course Description**

The following topics are covered:

- Family relationships
- Education and work
- Regions
- Travel
- Food/health

**Assessment**

NCEA Level 2 Achievement Standards  
14 credits internally assessed  
10 credits externally assessed

**Costs:** \$10 for workbook, \$15 for Language Perfect subscription

---

**GATEWAY**

**CODE: 12GTW**

**Prerequisites**

Interested students must complete application process including interview and CV submission in November and be accepted on to the Gateway Programme.

**Course Description**

Gateway is a structured work based learning programme for Year 12 or 13 students. You will spend one day per week at a work placement in an industry area of your choice (e.g. animal care, business administration, childcare, electrical, furniture making, hairdressing, horticulture/landscaping, motor engineering, hospitality, sports turf) and:

- Be trained and assessed in the workplace
- Access industry mentors and apprenticeship providers

- Have the opportunity to go on to further training or employment
- Work with Gateway staff to assist you with career planning
- Develop modern work skills that employers are seeking
- Show commitment to your work placement and school programme

#### Assessment

- Industry Unit Standards: approximately 10 credits will be workplace assessed
- First aid certificate
- Kiwihost certificate
- Site Safe certificate (if appropriate)
- A selection of Unit Standards from the 24 credits available in the 11/12 Transition Programme

**Costs:** Nil – The Gateway Programme provides funding for learning resources, equipment and clothing and transport costs associated with students' placements. For further information contact Carolyn Lewin (Gateway Coordinator) in the Careers Office

### GEOGRAPHY

**CODE: 12GEO**

#### Prerequisites

17 Level 1 Geography credits with 2 Merit grades, at least one of which is external (or SL approval), or entry to another Level 2 Social Science if Level 1 Geography was not studied

#### Course Description

Students will study the following two topics which are externally assessed:

- A natural environment: the Amazon rain forests
- Geographic concepts and skills

Students will also undertake as internal assessment:

- Urban settlement patterns with particular emphasis on Wellington
- Inequalities of development around the world: illiteracy as a global pattern
- Local urban research

#### Assessment

NCEA Level 2 Achievement and Unit Standards  
11 credits internally assessed  
8 credits externally assessed

**Costs:** \$16 for AS2.4 workbook

**EOTC:** 1 day urban research trip

### GERMAN

**CODE: 12GER**

#### Prerequisites

15 Level 1 German credits or equivalent German language experience

#### Course Description

The following topics are covered:

- Film
- Young people/future plans
- A German-speaking region

- The supernatural and Grimm's fairy tales

#### Assessment

NCEA Level 2 Achievement Standards  
14 credits internally assessed  
10 credits externally assessed

**Costs:** \$10 for workbook, \$15 for Language Perfect subscription

### GRAPHICS & DESIGN

**CODE: 12GRA**

#### Prerequisites

18 Level 1 Graphics Achievement Standards credits with Merit in 1.1 Freehand Drawing

#### Course Description

Students will work on two in-depth design briefs in the areas of product design and spatial design. A study of design history is included at this level. The work done in these briefs contributes to the internally assessed standards and the externally assessed standards by portfolio. The briefs present creative and stimulating design challenges. Students develop their practice based on the design process and visual communication, skills and techniques, and design heritage.

#### Assessment

NCEA Level 2 Achievement Standards  
12 credits internally assessed  
12 credits externally assessed (by portfolio)

**Costs:** \$45 (approximately) for personal equipment

### HISTORY

**CODE: 12HIS**

#### Prerequisites

16 Level 1 History credits with at least one Merit for an essay writing standard; or if History not studied, entry to Level 2 English (including a Merit for English 1.2 Produce Formal Writing), or 20 Level 1 credits in another Social Science

#### Course Description

Students will study the following three topics:

- Origins of World War I
- The search for security in the nuclear age
- Vietnam and the conflict in Indo-China

Students will also:

- Carry out independent historical investigation
- Communicate historical ideas in a variety of different formats - e.g. letter

#### Assessment

NCEA Level 2 Achievement Standards  
12 credits internally assessed  
12 credits externally assessed

**Costs:** Nil

## JAPANESE

**CODE: 12JAP**

### Prerequisites

15 Level 1 Japanese credits or equivalent Japanese language experience

### Course Description

Students learn 150 Kanji for reading and writing

Topics covered include:

- Family life
- Eating and drinking
- Leisure activities
- The Japanese school system

### Assessment

NCEA Level 2 Achievement Standards

14 credits internally assessed

10 credits externally assessed

**Costs:** \$5 for Kanji book, \$5 for debate book, \$15 for Language Perfect subscription

**EOTC:** Japanese Debating Competition  
Japanese Speech Competition

---

## MĀORI

**CODE: 12MRI**

### Prerequisites

Achievement of Level 1 Māori or equivalent Māori language experience

### Course Description

Topics covered include:

- Haerenga
- Hakinakina
- Nga take rangatahi
- Toku whanau
- Tetahi haerenga
- Tangata rongonui
- To Matou Rohe

### Assessment

NCEA Level 2 Achievement Standards

14 credits internally assessed

10 credits externally assessed

**Costs:** \$15 for Vocab2Go subscription, \$10 for workbook

---

## MATHEMATICS

**CODE: 12MAT**

### Prerequisites

Five out of six Level 1 Achievement Standards from 11MAT with at least three at Merit level, including 1.2 (Algebra) or 1.3 (Graphs)

Exclusions: 12MAP, 12MAS

### Course Description

Topics covered will include:

- Algebra
- Non-linear graphs
- Calculus
- Co-ordinate Geometry

- Statistics
- Probability
- Trigonometry

### Assessment

NCEA Level 2 Achievement Standards

13 credits internally assessed

13 credits externally assessed

**Costs:** \$16 for Level 2 workbook, Graphics Calculator (approximately \$100)

---

## MATHEMATICS FOR STATISTICS

**CODE: 12MAS**

### Prerequisites

Four out of six Level 1 Achievement Standards from 11MAT including 1.2 (Algebra) or 1.3 (Graphs)

### Course Description

Topics covered may include:

- Algebra
- Statistics
- Introductory Calculus
- Probability
- Networks
- Non-linear graphs
- Coordinate Geometry
- Trigonometry

### Assessment

NCEA Level 2 Unit Standards and Achievement Standards

15-17 credits internally assessed

4 credits externally assessed

**Costs:** Graphics calculator (approximately \$100), \$20 for workbook

---

## MEDIA STUDIES

**CODE: 12MED**

### Prerequisites

15 Level 1 English credits

### Course Description

Media Studies is about the active exploration, analysis, creation and enjoyment of the media and its products. Media Studies examines the dynamic role 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 produce media products. (Journalism and Film-making)

### Assessment

NCEA Level 2 Achievement Standards

15 credits internally assessed

6 credits externally assessed

**Costs:** \$20 production material fee

---

## MUSIC

**CODE: 12MUS**

### Prerequisites

The completion of 11MUS or the equivalent music experience in both performance and composition.

### Course Description

- Performance: two substantial solo works
- Composition: compose two substantial pieces
- Research: investigate New Zealand Music
- Aural skills: rhythm and melodic dictation, chords, intervals, timbre and general perception

### Assessment

NCEA Level 2 Achievement Standards  
16 credits internally assessed  
4 credits externally assessed

**Costs** \$10 for course materials, \$100 for instrument learning scheme (MILS, if applicable)

---

## NUTRITION & FOOD TECHNOLOGY

**CODE: 12NFT**

### Prerequisites

14 Level 1 Food and Nutrition credits  
It is recommended that students have achieved AS 1.1 and AS 1.4

### Course Description

Students evaluate current nutritional issues, identify and reflect on factors that influence food choice and behaviour, and use this knowledge to make informed decisions to enhance their wellbeing.

### Assessment

NCEA Level 2 Achievement Standards  
14 credits internally assessed  
6 credits externally assessed

**Costs:** \$35 for materials  
Some food supplies

---

## PHYSICAL EDUCATION

**CODE: 12PED**

### Prerequisites

15 Level 1 Physical Education credits

### Course Description

Four spells per week, two in the Gym/Rec, two in the classroom (theory). Topics include:

- Anatomy and biomechanics
- Fitness studies
- Risk management
- Motor skill learning
- Coaching, leadership and communication
- Outdoor recreation - kayaking
- Sports psychology

### Assessment

NCEA Level 2 Achievement Standards  
21 credits internally assessed

**Costs:** \$280 for kayaking trip & other course costs

**EOTC:** 3 days kayaking, 1 day school athletics (officiating), ½ day triathlon (officiating)

---

## PHYSICS

**CODE: 12PHX**

### Prerequisites

16 Level 1 Science credits, including AS 1.1, plus 8 Level 1 Maths credits. Students with less than 16 credits need to apply to TIC for provisional entry.

### Course Description

This course develops knowledge and understanding of the key concepts of physics.

Topics covered include:

- Mechanics
- Electrical systems
- Waves
- Atomic and nuclear physics

### Assessment

NCEA Level 2 Achievement Standards  
16 credits externally assessed  
4 credits internally assessed

**Costs:** Nil

---

## POUTAMA

**CODE: 12POU**

### Prerequisites

Students to take Te Reo Māori; or by arrangement with the Subject Leader

### Course Description

Ko te kaupapa matua o te ropu Poutama kia whakakaha nga tikanga me nga momo mea katoa o te iwi Māori ki roto i te kura nei, hei ora, hei tu kaha nga taura Māori i te ao Māori me te ao whanui hoki.

Ko etahi o nga tikanga nui kia arahi ai, ko te manaakitanga, ko te whanaungatanga, ko te reo Māori. Ko nga kaupapa ako o ia karaehe; Mau Taiaha, Kapa Haka, Tikanga me etahi atu momo mahi.

Mehemea, kei te pirangi te taura te tu ki tenei karaehe, me whiriwhiri hoki te karaehe mo Te Reo Māori.

Poutama aims to uplift Māori things in our school. Poutama also aims to strengthen Māori student confidence in things Māori and also promote Māori student success in the wider school community. Our guiding principles include manaakitanga, whanaungatanga and Te Reo Māori. Some of our areas of study may include Taiaha, Kapa Haka and tikanga Māori. Students who wish to do Poutama are expected to take Te Reo Māori as one of their options.

### Assessment

Students may have the opportunity to achieve some NCEA Unit Standards and to work towards the Te Waharoa qualification

**Costs:** Koha to Marae

---

**SPANISH**  
**CODE: 12SPA**

**Prerequisites**

15 Level 1 Spanish credits including AS 1.2 or 1.6, or an equivalent Spanish language experience

**Course Description**

The following topics are covered:

- Young people
- Spanish sports/leisure time
- Food and health
- Media
- Regions of Spain
- Spanish festivals

**Assessment**

NCEA Level 2 Achievement Standards

12 credits internally assessed

12 credits externally assessed

**Costs:** \$10 for workbook  
\$15 for Language Perfect subscription

---

**TOURISM**  
**CODE: 12TOU**

**Prerequisites**

Open entry

**Course Description**

Students will be studying toward a National Certificate in Tourism & Travel (Introductory Skills) Level 2. This course aims to develop general skills to enable students to follow a pathway into the Tourism industry. Completion of the National Certificate will require the students to complete 13 Tourism in the following year.

**Assessment**

NCEA Level 2 Unit Standards

25 credits internally assessed

**Costs:** \$20 for field trips

**EOTC:** 1 day

---

**TRANSITION**  
**CODE: 12TRA**

**Prerequisites**

Open entry

**Course Description**

This course offers a range of topics designed to assist students who are considering leaving school to look for employment, and/or considering leaving home. Students will:

- Produce a plan for their own future direction
- Explore career options relevant to their learning
- Develop information search skills
- Produce a CV
- Obtain job search skills
- Study Driver Safety

Students will have the opportunity to attend STAR courses. These are short 'taster' courses aimed at broadening students' horizons and helping with career choices.

**Assessment**

NCEA Unit Standards:

20 Level 2 credits

2 Level 1 credits

**Costs:** \$20 for visits

**EOTC:** 4 days Adventure-based Learning

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# Half Year Courses 2012

Half year courses are available to Year 12 and 13 students.

---

## **BUSINESS STUDIES**

**CODE: 12BUS**

### **Prerequisites**

Open Entry

### **Course Description**

A half year course in which students will get to experience

- how businesses are formed
- how businesses operate
- how businesses are managed
- what people in business do

### **Assessment**

NCEA Level 1 and 2 Achievement Standards

**Costs:** \$20 for course materials

---

## **CAFÉ CUISINE**

**CODE: 12FCC**

### **Prerequisites**

Open Entry

### **Course Description**

This course aims to:

- Provide students with practical skills and knowledge to provide safe, nutritious food
- Provide opportunities to develop creativity and display individual flair

In this course students will:

- Apply practical skills and knowledge to prepare, present and serve café style food that tastes and looks impressive
- Develop and compile a number of tested recipes that use simple, fresh ingredients

An important component of the Café Cuisine Programme is the four-day Introductory Barista STAR course held at Whitireia Polytechnic, Porirua. Students will have the opportunity to achieve three Level 2 Unit Standards totalling six credits on the course. *Attendance at the course is a compulsory part of the Café Cuisine Programme and students must commit to attending all four days.*

**Assessment:** STAR course

**Costs:** \$40 for materials, some food supplies

---

## **DESIGN TECHNOLOGY - JEWELLERY**

**CODE: 12DJW**

### **Prerequisites**

Open entry

### **Course Description**

Students will design, plan, create and complete four practical projects.

Material topics will include:

- Resin moulds
- Brass/copper etching
- Lost wax carving
- Pewter 2D and 3D
- Mixed acrylic and metal

Students will be given the opportunity to explore these different materials and the techniques used in contemporary jewellery practices. Responding to materials and specific briefs that encourage individual creativity, this is a student focused course enabling students to make pieces for themselves or others.

### **Assessment**

Optional NCEA assessment

For motivated students some NCEA design standards can be negotiated.

**Costs:** \$50 for material costs

---

## **ENGLISH UNIVERSITY ENTRANCE LITERACY**

**CODE: 12LIT**

### **Prerequisites**

16 Level 1 English credits

### **Course Description**

- Students will complete four reading and four writing credits to achieve University Entrance Literacy
- Personalised programmes will be available

**Costs:** \$5 for course booklet

---

## **FINANCIAL LITERACY**

**CODE: 12FNL**

### **Prerequisites**

Open Entry

### **Course Description**

A half year course which includes:

- Setting personal financial goals
- Creating and balancing a budget
- Personal finance
- Banks and banking

### **Assessment**

NCEA Level 1 and 2 Achievement Standards

**Costs:** \$20 for course materials

---

## INFORMATION TECHNOLOGY

CODE: 12INT

### Prerequisites

Open entry

This course is available to be taken in two half-year blocks

### Course Description

This course enables students to work on individualised programmes to develop their skills in areas such as:

- Word processing
- File management
- Spreadsheets
- Databases
- Touch typing
- Web development
- Image editing
- Desktop Publishing

### Assessment

NCEA Unit Standards are available for all topics. Students who are admitted to this course will discuss an appropriate learning programme with the Learning Area Leader.

**Costs:** \$10 per half year for course materials

---

## MATHEMATICS PRACTICAL 2

CODE: 12MAP

### Prerequisites

14 credits at Level 1 or recommendation of Learning Area Leader (exclusions: 12MAT, 12MAS)

N.B. Only those successful with the first half year (Level 1 standards - at least two out of three) will be able to do the second half year course. Subject to Learning Area Leader approval, some students may be able to do the second half year course alone.

### Course Description

This course is comprised of two half-year courses -

1<sup>st</sup> Half Year: Measurement, Number, Probability

2<sup>nd</sup> Half Year: Land Surveying, Trigonometry, Networks, Statistics

### Assessment

1<sup>st</sup> Half Year: NCEA Level 1 Achievement Standards  
11 credits internally assessed

2<sup>nd</sup> Half Year: Level 2 Unit and Achievement Standards  
11 credits internally assessed

**Costs:** \$15 for workbooks for each half year

---

## NEW ZEALAND STUDIES

CODE: 12NZS

### Prerequisites

An intermediate level of English for International students. Students cannot study 12HIS or 13HIS in the same year as 12NZS.

### Course Description

The course covers aspects of New Zealand's history, geography, literature and film, as well as an introduction to Te Reo Māori, Tikanga (customs) and the Treaty of Waitangi.

### Assessment

Students are expected to complete assignments and sit class assessments. They will be graded on these.

**Costs:** Some outing costs

---

## OUTDOOR EDUCATION

CODE: 12OED

### Prerequisites

Open Entry

N.B. Students can opt to take this course in either half of the year or in both. Please indicate on the course selection form which half year you would like to take it. If taking it in both, please enter it on the form twice.

### Course Description

Develop skills and confidence in an outdoor setting. This course gives students the opportunity to experience a range of Outdoor Pursuits which will be selected from:

1st Half Year - windsurfing/sailing, high ropes course, rock climbing, camping, orienteering  
2nd Half Year - high ropes course, mountain biking, tramping, kayak roll/river kayaking

N.B. These activities are a guide only and are subject to change.

### Assessment

NCEA Level 2 Unit Standards are available for each Outdoor Pursuit. There is a written component required for each Unit.

**Costs:** \$150-200 per half year course.

N.B. This is a guide only as each activity incurs different costs depending on the equipment and level of instruction required. It is likely that the course cost will be slightly different for each half year; however every effort will be made to keep any discrepancy to a minimum.

---

## PERFORMANCE DEvised PROJECT

CODE: 12PDP

### Prerequisites

Open Entry

Only available in the second half of the year

### Course Description

This course replaces 12MUP

A practical performance course that is student lead and teacher supervised. Students will develop performance and creative skills in dance, music or drama, or any combination thereof. This course will culminate in a public performance in Term 4.

### Assessment

Opportunities available to gain NCEA Level 2 and 3 credits in music, dance and drama.

**Costs:** Nil

**EOTC:** 1 day rehearsal and performance

---

**PERFORMANCE: PRODUCTION PROCESS**  
**CODE: 12PAP**

**Prerequisites**

Open Entry

**Course Description**

Developing the production skills required to mount Stage Challenge.

- Event Management and Budgeting
- Choreography
- Costume, Sound, Set Design and Backstage
- Directing

**Assessment**

No NCEA Assessment

**Costs:** Nil

**EOTC:** 2 days rehearsal and performance

---

**SPORTS – COACHING & TEAMWORK**  
**CODE: 12SCT**

**Prerequisites**

Good level of participation and attitude in junior PE and/or 11PE

Active participation in a sport as coach or player

**Course Description**

Course includes:

- Communication and leadership skills
- Practical coaching in lessons and extra-curricular
- Planning coaching sessions
- Competition, organisation and administration
- Officiating
- Sports injury and first aid
- First aid certificate

**Assessment**

NCEA Level 2/3 Unit Standards (through UCOL)

15 credits internally assessed

First aid certificate/Sports first aid certificate

**Costs:** Nil

---

**SPORTS – PHYSICAL RECREATION & FITNESS**  
**CODE: 12SRF**

**Prerequisites**

Good level of participation and attitude in junior PE and/or 11PE

**Course Description**

Course includes:

- Regular team games - soccer, netball, basketball, hockey, bowls, golf
- Visit to a commercial gym - aerobics, pump
- Swimming, water polo, diving, snorkelling, kayaking

**Assessment**

No NCEA assessment

**Costs:** \$50 for entry to recreation facilities

---

**TEXTILES – FABRIC PRINTING**  
**CODE: 12TFP**

**Prerequisites**

Open entry

**Course Description**

Students will experience a variety of fabric printing methods including:

- Pattern design and development
- Block printing
- Stencil printing
- Screen printing

They will become familiar with the design process and prepare some set designs and personal projects.

**Assessment**

NCEA Level 1 or 2 Achievement Standards (up to 10 credits available)

Dependent upon previous experience

**Costs:** \$30 plus fabric, patterns and notions  
Any competition entry fee

---

**TEXTILES – SEWING FOR BEGINNERS / FASHION STUDIO**  
**CODE: 12TSL**

**Prerequisites**

Open entry

**Course Description**

Students new to sewing will have the opportunity to:

- Have fun and make a fashion statement
- Make items of their own choice
- Learn how to use a variety of sewing equipment
- Learn how to make sense of a commercial pattern
- Expand their practical skills

Fashion studio will provide the space for experienced students to extend their knowledge

**Assessment**

NCEA Level 1 Achievement Standards for beginners (up to 10 credits available)

**Costs:** \$15 plus fabric, patterns and notions

---

# Year 13 Courses 2012

All students take the equivalent of five or six fulltime subject equivalents. These may be selected from this list, Year 11 and 12 courses and the half year courses. Study is unsupervised.

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## **ACCOUNTING** **CODE: 13ACC**

### **Prerequisites**

14 credits in Level 2 Accounting

### **Course Description**

This course builds on study in Levels 1 and 2. The focus is on partnerships and companies in the service, trading and/or manufacturing sectors.

### **Assessment**

NCEA Level 3 Achievement Standards

5 credits internally assessed

19 credits externally assessed

**Costs:** \$35 for workbooks

---

## **ART - DESIGN** **CODE: 13ADE**

### **Prerequisites**

18 Level 2 Art credits or submission of portfolio of equivalent standard to Subject Leader

### **Course Description**

Students will undertake design projects in which the design problem is clearly defined. They will research information relating to their brief and produce finished work through drawings, models and digital media.

### **Assessment**

NCEA Level 2 Achievement Standards

6 credits internally assessed

14 credits externally assessed

**Costs:** \$40 for art materials, purchase of personal art equipment

---

## **ART - PAINTING** **CODE: 13APA**

### **Prerequisites**

18 Level 2 Art credits or submission of portfolio of an equivalent standard to Subject Leader

### **Course Description**

Students select and research established painting approaches and extend their study through practical exploration. Drawing processes are used to develop ideas and use of media in the production of finished paintings.

### **Assessment**

NCEA Level 3 Achievement Standards

6 credits internally assessed

14 credits externally assessed

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**Costs:** \$40 for art materials, purchase of personal art equipment

**EOTC:** 2 x ½ day gallery visits

---

## **ART - PHOTOGRAPHY** **CODE: 13APH**

### **Prerequisites**

18 Level 2 Art credits or submission of portfolio of equivalent standard to Subject Leader

### **Course Description**

- Students study photographic procedures; use of the camera, lighting and digital manipulation.
- Students follow a thematic study which explores photography as a means of picture making

### **Assessment**

NCEA Level 3 Achievement Standards

6 credits internally assessed

14 credits externally assessed

**Costs:** \$40 for materials, camera (manual single lens reflex)

**EOTC:** 2 x ½ day gallery visits

---

## **ART - SCULPTURE** **CODE: 13ASC**

### **Prerequisites**

18 Level 2 Art credits or submission of portfolio of equivalent standard to Subject Leader

### **Course Description**

Students study at least one form of sculpture through a variety of work consisting of drawings, models and finished works which show how sculptural ideas are developed.

### **Assessment**

NCEA Level 2 Achievement Standards

14 credits externally assessed

6 credits internally assessed

**Costs:** \$40 for art materials

---

## **ART HISTORY** **CODE: 13AHI**

### **Prerequisites**

18 Level 2 English credits

### **Course Description**

The course is divided into four parts:

- Naturalism and science in the 15th Century (Italian Renaissance)

- Towards abstraction (Cubism, Futurism and Pure Abstraction)
- American art since 1945 (Abstract Expressionism, Pop Art, Feminist Art and Realism)

#### Assessment

NCEA Level 3 Achievement Standards

11 credits internally assessed

13 credits externally assessed

**Costs:** \$10 (approximately) for exhibition visits

**EOTC:** ½ day gallery visit

---

#### BIOLOGY

**CODE: 13BIO**

#### Prerequisites

18 Level 2 Biology credits

#### Course Description

The main topics for the course are:

- Animal behaviour and plant responses in relation to biotic and abiotic environmental factors
- Investigation of the ecological niche of an organism
- Gene expression and evolution
- Applications of techniques in biotechnology
- Trends in human evolution

#### Assessment

NCEA Level 3 Achievement Standards

7 credits internally assessed

14 credits externally assessed

**Costs:** \$50 for lab manuals  
\$60 (approximately) for field trips

**EOTC:** 2 days Otari Reserve; overnight zoo trip

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#### CHEMISTRY

**CODE: 13CHE**

#### Prerequisites

16 Level 2 Chemistry credits

#### Course Description

Topics covered include:

- Atomic structure and bonding
- Oxidation and reduction
- Organic chemistry
- Inorganic chemistry
- Aqueous solution chemistry
- Energy changes

#### Assessment

NCEA Level 3 Achievement Standards

2 credits internally assessed

18 credits externally assessed

**Costs:** \$25 for workbook

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#### CLASSICAL STUDIES

**CODE: 13CLS**

#### Prerequisites

19 Level 2 Classics credits; or 18 Level 2 English, History or Geography credits; or subject to Learning Area Leader approval

#### Course Description

- Alexander the Great
- Socrates as seen through the eyes of his pupil Plato
- Greek theatre – Aristophanes Comedies
- Greek Vase painting
- Virgil's Aeneid – a Roman epic poem

#### Assessment

NCEA Level 3 Achievement Standards

6 credits internally assessed

18 credits externally assessed

6 Unit Standard credits – optional alternative to 6 Achievement Standard credits

**Costs:** \$6 for field trip to Victoria University, \$8 for materials, \$13-15 for drama performances (including buses)

**EOTC:** Half day VUW Classics Dept to view original Vases and an introduction to Alexander the Great. Proposed trip to Greece and Italy in 2012, \$8000-\$8500

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#### CURRICULUM BASED LEARNING

**CODE: 13CBL**

#### Prerequisites

ESOL students

Recommendation of International Director

#### Course Description

This course is designed for students for whom English is a second language, so that they get extra support needed to cope with the language demands of academic courses they are taking, such as mathematics, science and economics. It will be tailored to suit the needs of the students.

**Costs:** Nil

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#### DESIGN TECHNOLOGY - MATERIALS

**CODE: 13DTE**

#### Prerequisites

16 Level 2 Design credits

#### Course Description

Students will complete three practical projects with supporting design and written work. The projects will be based around design problems which will encourage individual responses to the set problems. Students will be expected to work to a very high standard with a wide range of different materials and technologies.

#### Assessment

NCEA Level 3 Unit Standards

18 credits internally assessed

**Costs:** \$80 (approximately) for materials

## DIGITAL TECHNOLOGIES – COMPUTER SCIENCE AND PROGRAMMING

CODE: 13DTC

### Prerequisites

Satisfactory completion of 12DTC or equivalent ICT and programming experience (by permission of Learning Area Leader)

### Aims of this course:

To extend students' knowledge of programming, and enable students to become competent in their manipulation and organisation of digital information.

### Programming Languages

Students will program in popular, high-level languages such as Java and Visual Basic.

**As a result of taking this course, a student should be able to:**

- Formulate a design specification, write code, and test and modify a program to provide a solution to a problem; and create simple end-user documentation.
- Plan and create a spreadsheet to provide a solution for organisation use and create user documentation for the spreadsheet.
- Demonstrate knowledge of database purpose and operation; prepare data for computer data entry; maintain organisation database; and use database to report and maintain organisation information.

### Assessment

NCEA Level 3 Unit Standards internally assessed to a minimum of 15 credits.

**Costs:** \$20 for materials

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## DIGITAL TECHNOLOGIES - MEDIA

CODE: 13DTM

### Prerequisites

Satisfactory completion of 12DTM or equivalent ICT experience (by permission of HOD)

### Course Description

In this course students are expected to develop their own project, responding to an identified opportunity or need for a REAL client. Advanced skills in project management and problem solving are required. Commitment is essential to complete projects to a high standard. Much work is required out of class time, depending on the project stage.

### Units covered:

- The Technology Process
- Describing technologists' responsibilities to the wider community
- Creating conceptual designs and functional models
- Using project management tools - Open Workbench
- Creating a one-off solution
- Demonstrating your ICT techniques in a written report
- The Technology Portfolio.

### Assessment

NCEA Level 3 Achievement Standards  
20 credits internally assessed  
4 credits externally assessed

**Costs:** \$20 for materials

## DRAMA

CODE: 13DRA

### Prerequisites

Satisfactory completion of 12DRA, or by contract with Subject Leader

### Course Description

- Apply drama techniques in scripted contexts
- Devise, script and perform individual drama
- Research and demonstrate knowledge of drama from given forms/periods
- Realise an acting role in a significant production

### Assessment

NCEA Level 3 Achievement Standards  
14 credits internally assessed  
8 credits externally assessed

**Costs:** \$30 for production costs. There may be other costs involved in that students will be encouraged to attend local theatre events

**EOTC:** 1 day rehearsal

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## ECONOMICS

CODE: 13ECO

### Prerequisites

15 Level 2/3 Economics credits

### Course Description

This course aims to develop a continuing and critical interest in contemporary economic issues.

Section A: how the market works in New Zealand.

Section B: the role of the state in the economy.

Section C: the economy as a whole.

### Assessment

NCEA Level 3 Achievement Standards  
5 credits internally assessed  
13/19 credits externally assessed

### ECON199 – Canterbury University Level 1 Paper

Scholarship students only, Learning Area Leader approval only and subject to meeting course entry.

**Costs:** \$25 for workbook

**EOTC:** Visits to NZIER and/or Stats NZ

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## ELECTRONICS

CODE: 13ELT

### Prerequisites

NCET Level 2 gained from 12ELT (or LAL approval)

### Course Description

- Further development of electronic knowledge and skills
- Application of more advanced electronics components and systems
- Construction of electronic products involving simple electronic programmable circuits, and digital electronic devices

Students will be able to:

- Demonstrate knowledge of the development of an electronic product

- Construct, and report on the performance of a simple electronic programmable circuit
- Describe and construct circuits to demonstrate the operation and properties of electronic devices
- Plan, construct, modify, and report on an electronic prototype
- Demonstrate knowledge of and build circuits using digital electronic devices that interface with ADC and DAC functions
- Demonstrate knowledge of the practical applications of logic circuits

#### Assessment

22 credits of Level 3 Unit Standards that count towards NCEA (with A, M and E grades available) and contribute to Level 3 National Certificate in Electronics Technology (NCET)

**Costs:** \$50-\$100 for take-home components or kits (depending on student choice), \$20 for Lab Manual

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### ENGLISH

**CODE: 13ENG**

#### Prerequisites

18 Level 2 English credits

#### Course Description

This course is designed to enable students to apply clear communication skills in all aspects of literacy. This course covers written, visual and oral language.

#### Assessment

NCEA Level 3 Achievement Standards  
12 credits internally assessed  
12 credits externally assessed

**Costs:** \$15 for course booklets

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### ESOL – ACADEMIC ENGLISH

**CODE: 13ESA**

#### Prerequisites

Must be an NCEA Level 3 candidate  
Recommendation of Subject Leader, ESOL

#### Course Description

The course has an academic focus, with special emphasis on:

- Academic English
- Reading and writing for study and examination including paraphrasing and summarising
- Writing effective paragraphs and essays
- Understanding the structure of written texts
- Examination techniques

NB: An IELTS course is available if required

#### Assessment

The course will offer assessment as is appropriate for students to gain the Level 2 literacy requirements for entry to university.

**Costs:** \$15 for course materials, Bilingual dictionary, \$80 for Pitman Exam (optional)

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### FASHION & DESIGN

**CODE: 13FDE**

#### Prerequisites

Satisfactory completion of 12FDE

#### Course Description

Students will work towards two major projects and study a variety of areas including:

- Fashion illustration
- Basic pattern drafting
- Portfolio presentation
- Use of special fabrics
- Formal garment construction

#### Students will experience:

- Practical projects with accompanying design and written work
- Research tasks to develop investigative skills and subject knowledge
- A range of specialist equipment

#### Assessment

Students will be assessed using a mix of internal and external Technology Achievement Standards and subject based Unit Standards gaining credits towards Level 3 NCEA (internal: 17 credits, external: 4 credits)

**Costs:** \$35 plus fabric, notions and patterns

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### FRENCH

**CODE: 13FRE**

#### Prerequisites

15 Level 2 French credits or equivalent French language experience

#### Course Description

This course builds on NCEA Level 2 content as well as discussing political issues such as racism, immigration and sexism. Topics include:

- Discrimination
- The environment
- The media
- A French film/novel
- The French speaking world

#### Assessment

NCEA Level 3 Achievement Standards  
9 credits internally assessed  
15 credits externally assessed

**Costs:** \$10 for workbook, \$15 for Language Perfect subscription

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### GEOGRAPHY

**CODE: 13GEO**

#### Prerequisites

15 Level 2 Geography credits with 1 external Merit grade (or SL approval); or entry to Level 3 History or English if Level 2 Geography was not studied.

#### Course Description

Students will study the following two topics which are externally assessed:

- A volcanic natural environment including a field trip to Tongariro National Park

- Geographical skills and ideas

Students will also undertake as internal assessment:

- Individual research on a contemporary geographic issue of the student's choice
- The Ruapehu lahar risk as a planning issue

Students may choose internal or external assessment for this topic:

- The cultural process of migration in both New Zealand and France and the forces of change which shape this process

#### Assessment

NCEA Level 3 Achievement Standards

9 credits internally assessed

8 credits externally assessed

4 credits either internally (Unit Standard) or externally assessed (Achievement Standard)

**Costs:** Approx. \$300 for a Tongariro field trip on 21-24 March and \$10 for a Wellington migration trip. \$15 for AS 3.4 workbook

**EOTC:** 4 days Tongariro, half day Wellington

### GERMAN

**CODE: 13GER**

#### Prerequisites

15 Level 2 German credits or equivalent German language experience

#### Course Description

Topics covered include:

- Leisure activities
- School and the workplace
- Foreigners in Germany
- The environment
- Film/free reading
- The media

#### Assessment

NCEA Level 3 Achievement Standards

9 credits internally assessed

15 credits externally assessed

**Costs:** \$10 for workbook, \$15 for Language Perfect subscription

### GRAPHICS & DESIGN

**CODE: 13GRA**

#### Prerequisites

18 Level 2 Graphics credits

#### Course Description

Students will be challenged by advanced briefs requiring highly resolved design solutions and presentation. Emphasis will be put on written and visual communication of design ideas. The two major design briefs will draw from the following contexts:

- Spatial design
- Product design

#### Assessment

NCEA Level 3 Achievement Standards

15 credits internally assessed

10 credits externally assessed (by portfolio)

**Costs:** Nil

### HISTORY – 19<sup>TH</sup> CENTURY NEW ZEALAND

**CODE: 13HIN**

#### Prerequisites

20 Level 2 History credits with at least one Merit for an essay writing standard or, if History not studied, 20 Level 2 credits in another Social Science.

#### Course Description

Students will study 19th Century New Zealand, focusing on:

- Māori and Pakeha relations
- Economic and social change
- Society and attitudes

Students will also:

- Carry out independent historical investigation
- Communicate historical ideas in a variety of different formats, e.g. essay, magazine article

#### Assessment

NCEA Level 3 Achievement Standards

9 credits internally assessed

15 credits externally assessed

**Costs:** Nil

### JAPANESE

**CODE: 13JAP**

#### Prerequisites

15 Level 2 Japanese credits or equivalent language experience

#### Course Description

Students learn 200 Kanji for reading and writing. Topics include:

- Land and people
- Travel and tourism
- Communication and media
- Japan at work

#### Assessment

NCEA Level 3 Achievement Standards

The students will be encouraged to sit the Japanese Proficiency Test Level 3 or 4 at the end of the year

9 credits internally assessed

15 credits externally assessed

**Costs:** \$5 for Kanji Book, \$15 for Language Perfect subscription, \$21.50 for Obento Senior Workbook

### MĀORI – TE REO MĀORI

**CODE: 13MRI**

#### Prerequisites

Achievement in Level 2 Māori or equivalent Māori language experience

#### Course Description

Topics covered include:

- Nga Moteatea
- Pakiwaitara
- Hakinakina

- Formal Oratory – Whaikorero, Karanga

#### Assessment

NCEA Level 3 Achievement Standards

14 credits internally assessed

10 credits externally assessed

**Costs:** \$15 for Vocab2Go subscription, \$10 for workbook

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#### MATHEMATICS: CALCULUS

**CODE: 13MAC**

#### Prerequisites

19 Level 2 credits including 2.1 (Algebra) and 2.3 (Calculus) at Merit level, and 2.2 (Graphs), 2.4 (Coordinate Geometry), 2.9 (Trigonometry Equations)

#### Course Description

Topics covered will include:

- Algebra and complex numbers
- Co-ordinate geometry
- Trigonometry
- Differentiation techniques and applications
- Integration techniques and applications

#### Assessment

NCEA Level 3 Achievement Standards

4 credits internally assessed

20 credits externally assessed

**Costs:** \$16 for workbook, Graphics Calculator (approximately \$100)

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#### MATHEMATICS: STATISTICS & MODELLING

**CODE: 13MAS**

#### Prerequisites

A minimum of 16 Level 2 credits including 2.1 (Algebra), 2.2 (Graphs), 2.5 (Statistics) and 2.6 (Probability); or the equivalent Unit Standards 5246 (Algebra) and 5250 (Probability)

#### Course Description

Topics covered will include:

- Time series
- Confidence intervals
- Simple probability
- Solving equations
- Bivariate data
- Probability distributions
- Modelling

#### Assessment

NCEA Level 3 Achievement Standards

9 credits internally assessed

15 externally assessed

**Costs:** \$20 Statistics and Modelling workbook, Graphics Calculator (approximately \$100)

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#### MATHEMATICS:

#### ADVANCED STATISTICS & MODELLING

**CODE: 13MAX**

#### Prerequisites

Successful completion of the 13MAC course in Year 12 or an Excellence endorsement for Level 2 Mathematics (or approval Learning Area Leader)

#### Course Description

Topics covered will include:

- Linear Programming
- Systems of equations
- Numerical solutions of equations
- Modelling to fit experimental data
- Time series
- Bivariate data analysis
- Probability techniques
- Probability distributions
- Confidence intervals

#### Assessment

NCEA Level 3 Achievement Standards

9 credits internally assessed

15 credits externally assessed

Scholarship Statistics and Modelling

**Costs:** \$20 Statistics and Modelling workbook, Graphics Calculator (approximately \$100)

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#### MEDIA STUDIES

**CODE: 13MED**

#### Prerequisites

15 Level 2 Media Studies credits, or 15 Level 2 English credits

#### Course Description

This course aims to further develop understanding of the media in New Zealand and in a global context. Media Studies is about the active exploration, analysis, creation and enjoyment of the media and its products. Media Studies examines the dynamic role 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 and conceive, plan, design and produce media products. (Journalism or Film-making)

Note: It is possible to begin Media Studies at Level 3 but students doing so must be aware that they need a background from English, Graphics or Art and an enthusiasm to quickly complete background reading.

#### Assessment

NCEA Level 3 Achievement Standards

16 credits internally assessed

8 credits externally assessed

**Costs:** \$20 for production material fees

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**MUSIC**  
**CODE: 13MUS**

**Prerequisites**

Completion of 12MUS or equivalent music experience in both performance and composition

**Course Description**

Students will take:

- Performance – solo performances of 30min of music (three to six solo works)

- Composition – three contrasting compositions

Students will also select one of the following:

- Performance – perform two substantial pieces as a member of a group
- Performance – perform on a second instrument as a soloist
- Research – research a musical work
- Arranging – create two arrangements

**Assessment**

NCEA Level 3 Achievement Standards

16 compulsory credits internally assessed, plus 4 self-selected credits internally assessed

**Costs:** \$10 for course materials, \$100 for instrument learning scheme (MILS, if applicable)

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**NUTRITION & FOOD TECHNOLOGY**

**CODE: 13NFT**

**Prerequisites**

15 Level 2 Food and Nutrition credits

**Course Description**

Students evaluate current nutritional issues, identify and reflect on factors that influence food choice and behaviour, and use this knowledge to make informed decisions to enhance their wellbeing.

**Assessment**

NCEA Level 3 Unit and Achievement Standards

15 credits internally assessed

5 credits externally assessed

**Costs:** \$35 and some food supplies

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**PHYSICAL EDUCATION**

**CODE: 13PED**

**Prerequisites**

17 Level 2 Physical Education credits

**Course Description**

- Lifestyle: fitness/health/goal setting/ designing and running and evaluating own programme
- Outdoor education: Coast to Coast expedition
- Golf
- Biomechanical analysis
- Issues in sport

**Assessment**

NCEA Level 3 Achievement Standards

19 credits internally assessed

**Costs:** \$350 for Coast to Coast trip/golf

**EOTC:** 3 days Coast to Coast, ½ day Coast to Coast training, 1 day golf assessment

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**PHYSICS**

**CODE: 13PHX**

**Prerequisites**

18 Level 2 Physics credits

**Course Description**

The course extends and develops a knowledge of basic facts and an understanding of the key ideas and metaphors of physics.

Topics covered include:

- Mechanics: force, momentum and energy, rotational motion and oscillatory motion
- Waves: interference, standing waves, and the Doppler effect
- Electromagnetism: fields and circuits to cover capacitance, inductance and AC circuits
- Atomic physics: photons, atoms and nuclei to cover the photo-electric effect, the Bohr model of the hydrogen atom, and low-energy nuclear reactions

**Assessment**

NCEA Level 3 Achievement Standards

5 credits internally assessed

19 credits externally assessed

**Costs:** Nil

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**POUTAMA**

**CODE: 13POU**

**Prerequisites**

Students to take Te Reo Māori; or by arrangement with the Subject Leader

**Course Description**

Ko te kaupapa matua o te ropu Poutama kia whakakaha nga tikanga me nga momo mea katoa o te iwi Māori ki roto i te kura nei, hei ora, hei tu kaha nga taura Māori i te ao Māori me te ao whanui hoki.

Ko etahi o nga tikanga nui kia arahi ai, ko te manaakitanga, ko te whanaungatanga, ko te reo Māori. Ko nga kaupapa ako o ia karaehe; Mau Taiaha, Kapa Haka, Tikanga me etahi atu momo mahi.

Mehemea, kei te pirangi te taura te tu ki tenei karaehe, me whiriwhiri hoki te karaehe mo Te Reo Māori.

Poutama aims to uplift Māori things in our school. Poutama also aims to strengthen Māori student confidence in things Māori and also promote Māori student success in the wider school community. Our guiding principles include, manaakitanga, whanaungatanga and Te Reo Māori. Some of our areas of study may include Taiaha, Kapa Haka and tikanga Māori. Students who wish to do Poutama are expected to take Te Reo Māori as one of their options.

**Assessment:**

Students may have the opportunity to achieve some Unit Standards and to work towards the Te Waharoa qualification

**Costs:** Koha to Marae

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**SCIENCE****CODE: 13SCI****Prerequisites**

16 Level 2 credits in one of the Level 2 Science courses

**Course Description**

The main topics covered are:

- Genetics
- Esters, fats and oils, soaps and detergents
- EM spectrum, radioactivity, sound and ultrasound
- Earth science, astronomical discovery

**Assessment**

NCEA Level 3 Achievement Standards

10 credits internally assessed

14 credits externally assessed

**Costs:** Nil**SPANISH****CODE: 13SPA****Prerequisites**

15 Level 2 Spanish credits including Achievement Standards

2.2 or 2.6 or equivalent Spanish language experience

**Course Description**

Topics covered include:

- Discrimination
- The environment
- Hispanic history and politics
- Media

**Assessment**

NCEA Level 3 Achievement Standards

9 credits internally assessed

12 credits externally assessed

**Costs:** \$10 for workbook, \$15 for Language Perfect subscription**TOURISM****CODE: 13TOU****Prerequisites**

18 Level 2 Tourism or 18 Social Science credits

**Course Description**

Students will be studying toward the second year of a National Certificate in Tourism & Travel (Introductory Skills) Level 2. This course aims to develop general skills to enable students to follow a pathway into the Tourism industry.

**Assessment**

NCEA Level 3 Unit Standards

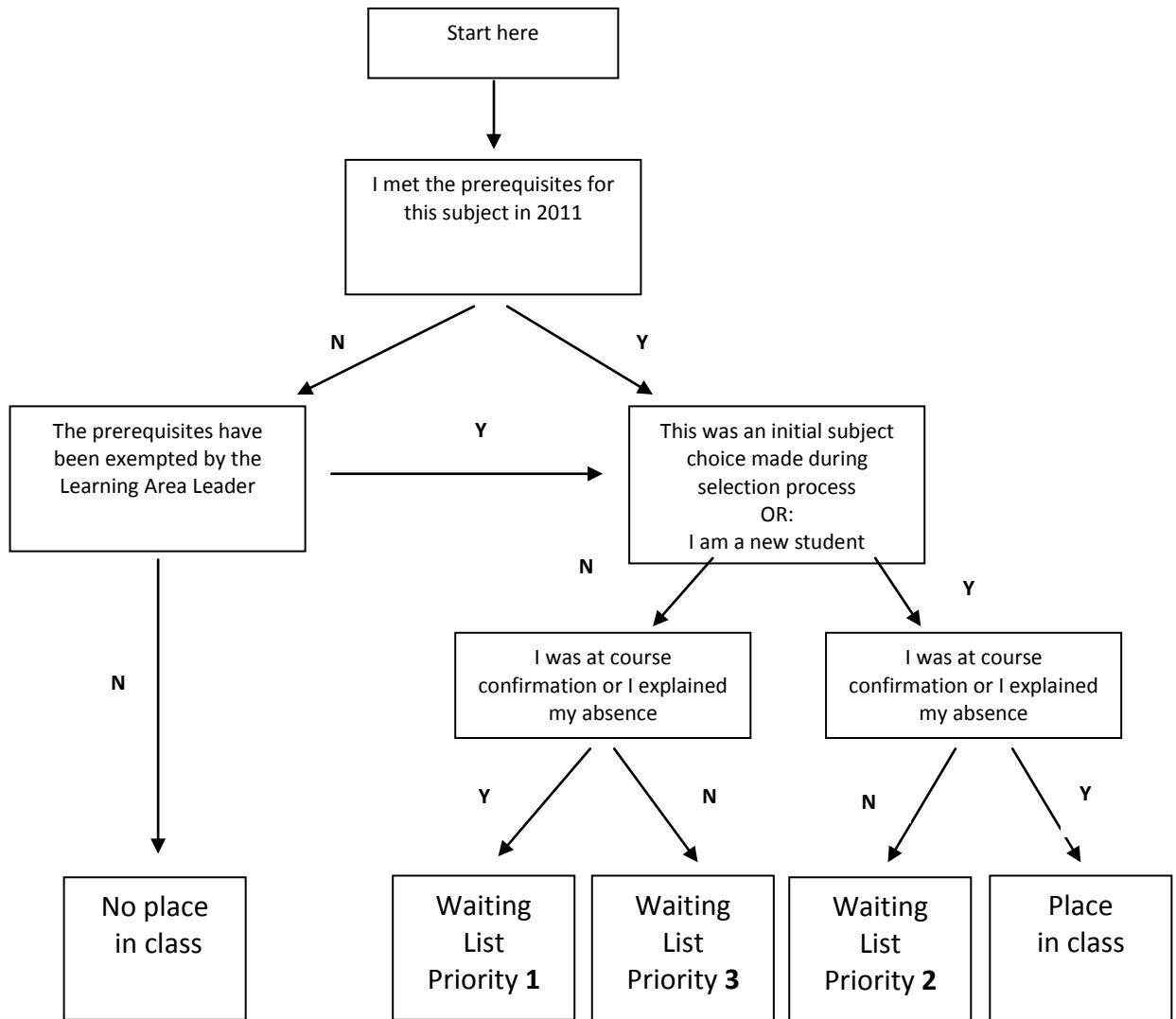
24 credits internally assessed

**Costs:** \$20 for field trips**EOTC:** 1 day

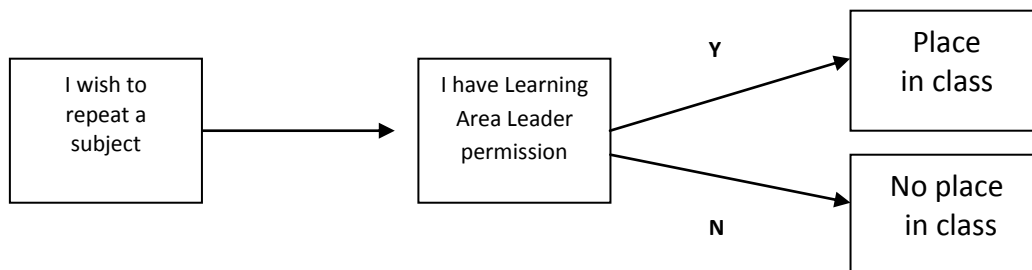
# Senior Subject Entry Process

## Domestic and returning International Students

*This process is used to guide decision making with respect to entry to classes  
Ballots will be held for waiting lists if necessary.*



### Process for students wishing to repeat a subject where there are places left



# Subject Preference Record

## Senior Subject Selection for 2012

- fill in this page for your own records
- return the separate subject selection form to school

Refer to the subject requirements in the Senior Curriculum Handbook, then complete the following subject preferences.

A full time course of study must be undertaken by all students:

- Year 11 – English (compulsory), Maths (compulsory), Science (compulsory unless exempted by Dean) plus three other subjects (total of six full year subjects or equivalent)
- Year 12 – English (compulsory) **plus** equivalent of four or five full year subjects
- Year 13 – Minimum of five full year subjects (or equivalent).

Students taking six subjects in Year 12 or 13 need to consult their Dean.

	Subject name	Subject code	Full year, or 1/2 year
1.			
2.			
3.			
4.			
5.			
6.			
7.			
8.			

### Reserve Subjects

If a subject does not run or I have a timetable clash, the following are my reserve preferences

1.			
2.			