

# Wellington High School

Te Kura Tuarua o Taraika ki Pukeahu

Senior Course Choices  
for Years 11, 12 and 13

2018

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## Kia ora tatou

Read carefully. Discuss your decision with your Dean, teachers and caregivers.

### Deans for 2018

Year 9	Ben Britton	ben.britton@whs.school.nz
Year 10	Iona Forsyth	iona.forsyth@whs.school.nz
Year 11	Trudy Harvey	trudy.harvey@whs.school.nz
Year 12	Edward Meredith	edward.meredith@whs.school.nz
Year 13	Denis Wright	denis.wright@whs.school.nz
International	Julie McDonald	julie.mcdonald@whs.school.nz
Careers	Chuni Bhikha	chuni.bhikha@whs.school.nz

### Teachers to talk to about your choices:

#### The Arts

Visual Arts	Jania Bates
Drama	Alison Hodge
Music	Fritz Wollner

#### English & Languages

English	Caitlin Reilly
Chinese	Angel Lin
Japanese	Sharon Henry
Māori	Whakamarurangi Chadwick
Spanish	Carlos Junca
English Language	Jenny Olsen

#### Mathematics

Mathematics	Caroline Lewis
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#### Physical Education

Physical Education	Randal Wakefield
Health	Natalie Bell
Recreation	Simon Russell
Outdoor Education	Brook Rapson

#### Science

Science	Joan Hinton
Agriculture & Horticulture	Claire Neiman
Biology	Joan Hinton
Chemistry	Shelley Monds
Physics	Murray Chisholm

#### Social Sciences

Classical Studies	Trudy Harvey
Economics	Edward Meredith
Geography	Melanie McGrath
History	Henry Hollis
Journalism	Tessa Prebble
Media Studies	Kelly Jean-Louis

#### Technology

Workshop	Paul Macdougall
Digital Media	Rosi Yourukova
Electronics/Sonic Arts	Terry Hawkings
Design & Visual Communication	Rowan Heap
Computer Science	Vince Brannigan
Mechanical Engineering	Paul Macdougall
Fashion	Kylie Merrick
Food	Marietjie Van Schalkwyk
Hospitality	Natalie Randall

**All teachers can be contacted by email using the following formula:  
*first name.surname@whs.school.nz***

**Please choose your courses very carefully. What you choose now determines the shape of our school timetable.**

**The number of classes we run depends on how many students choose each course. We cannot always meet everyone's first choices.**

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## IN BRIEF

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### Year 11

#### Students study SIX Level 1 courses

Students must study NCEA Level 1:

- English or Classics and/or Māori
- Mathematics
- and any four others

### Year 12, Year 13

#### Students can study FIVE or SIX Level 2 or Level 3 or combination Level courses

#### Year 12 students are strongly advised to take a course of English or Māori

Senior students study any **five or six** courses for which they have achieved the **prerequisites**.

#### Generally

- Year 12 students study Level 2 courses or combination Level 1 and 2 courses
- Year 13 students study Level 3 courses or combination Level 1, 2 and 3 courses

The curriculum is arranged so that it is possible to broaden and deepen qualifications at Level 2 and take them to Level 3 and then on to tertiary study.

#### Hints!

- You should choose courses that are best suited to you, your needs and abilities, courses in which you can succeed because you can cope with the level of study involved.
- Choose subjects that you are interested in and that will support your future study. You can see your friends at break times.
- Students from non-English speaking backgrounds are advised to take an English Language course.
- All courses are assessed through Achievement Standards with internal or external assessment and/or Unit Standards with internal assessment.
- External assessment occurs in November in the national examinations.
- Students who enter any National Qualifications pay an entry fee, which is due in August.
- Reading course names
  - The first digit indicates the year level the student is working at eg 1 = Yr 11, 2 = Yr 12 & 3 = Yr 13
  - The second digit indicates the NCEA level the course is at eg 1 = NCEA Level 1, 2 = NCEA Level 2, and 3 = NCEA Level 3.
  - The third digit indicates the NQF level the course leads to next year
  - **Examples:**
    - NUM112.** Numeracy Y11, working towards NCEA level 1 qualifications, leading to NCEA Level 1.
    - ENG223.** English Y12, working towards NCEA level 2 qualifications, leading to NCEA Level 3 courses
    - JRN334.** Journalism Y13, working towards NCEA level 3 qualifications, leading to tertiary journalism study
    - APT335.** Art Painting Y13, working towards NCEA level 3 qualifications, leading to university art study.
- Some standards have an additional column attached headed L/N. L is for Literacy and N for Numeracy. If a standard has an L or an N against it then that standard counts that number of credits towards the literacy or numeracy requirement of level 1. If a standard also meets University literacy (writing and reading) entrance requirements it will be noted. This is indicated in the "U/E W/R" column.

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## NATIONAL QUALIFICATION

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The National Certificate in Educational Achievement (NCEA) is part of the National Qualification Framework. The aim of this framework is to give every person the chance to receive national recognition for their skills and qualifications and to provide opportunities for ongoing learning. It includes qualifications from senior secondary school right through to degrees Levels 7 and 8.

### National Qualifications Framework

	10	Doctorate Degree
	↑	
	9	Master's Degree
	↑	
	8	Post-graduate Certificate
	↑	
	7	Bachelor's Degree
	↑	
	6	Diploma
	↑	
	5	Diploma
	↑	
	4	National Certificate
	↑	
Seniors	Level 3	National Certificate of Educational Achievement Level 3
	↑	
	Level 2	National Certificate of Educational Achievement Level 2
	↑	
Year 11	Level 1	National Certificate of Employment Skills; National Certificate of Educational Achievement Level 1

Wellington High School offers the National Certificate in Educational Achievement Level 1, 2 and 3 and credits towards Vocational Pathways.

### National Certificate of Educational Achievement (NCEA)

- **NCEA** is a qualification that's designed as a platform for lifelong achievement
- **NCEA** confirms that you have achieved a broad general education
- **NCEA** recognises your sustained effort over a number of years
- **NCEA** is achieved by meeting or exceeding standards and earning credits at school.
- **NCEA** credits are achieved from Achievement Standards and Unit Standards. Each standard is worth a certain number of credits
- **NCEA** is awarded at Levels 1, 2, and 3 - the level of the credits you earn determines the level of your Certificate
- **NCEA** has internal and external assessment
- **NCEA** has Certificate Endorsement - students require 50 credits at Excellence to gain an NCEA endorsed with Excellence, and 50 credits at Merit (or Merit and Excellence), to gain an NCEA endorsed with Merit. Credits counting towards endorsement may be gained over more than one year and more than one level but 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.
- **NCEA** has course endorsement – students will receive an Excellence endorsement for an individual course if they gain 14 or more credits at Excellence level, while students gaining 14 or more credits at Merit (or Merit and Excellence) will gain a Merit endorsement. For Course Endorsement, at least 3 of the 14 credits must be from internally assessed standards, and 3 from external assessment (national examinations), to demonstrate students are competent in both forms of assessment. The internal and external assessment requirement does not apply to Physical Education. In addition, sufficient credits required for course endorsement must be gained in a single school year. Each course in this booklet has an indication if course endorsement is available.
- **NCEA Level 2** has vocational pathway endorsement. See [www.youthguarantee.net.nz](http://www.youthguarantee.net.nz) for information.

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## YEAR 11

Students in Year 11 generally study at Level 1 on the National Qualifications Framework

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### Two Pathways to Senior School:

1. Students who have required key dispositions at Year 9 & 10 begin to study for NCEA Level 1 and may have open choice where it is offered.

Students in their third year of secondary education (Year 11) study the following courses:

**English or Classics and/or Māori, and  
Mathematics or Numeracy**

Students are then required to choose four other courses.

2. Some students may be targeted for Arotahi which will have an English, Mathematics and Science component. Students will be able to choose 3 other courses to study.

### **National Certificate in Educational Achievement (NCEA)- Level 1**

#### **Students must achieve:**

- **80 credits at Level 1 or above - of which**
- **10 must be Numeracy credits (indicated by N in the booklet)**
- **10 must be Literacy credits (indicated by L in the booklet)**

The courses are all described in the following pages of this booklet and all lead to NCEA.

- Each course has topics assessed by standards: Achievement Standards or Unit Standards.
- Each standard has a number of credits allocated and these are credited towards the NCEA.
- Most courses have **internally assessed standards** – practical work or research assignments.
- Most courses have **externally assessed standards** done by examination, project or portfolio.
- Students gain grades for each Standard. The grades are Excellence, Merit, Achieved or Not Achieved. Please note that on some unit standards, the only grades possible may be Achieved or Not Achieved.

As you choose your courses, be aware that some Level 2 courses recommend that study has been undertaken at Level 1. So, look at Level 2 courses you might be considering to see the prerequisites as you plan your course.

Use the planning page in the centre of the booklet to help you sort out a course for next year and to look ahead to the following year.

A member of the staff will discuss your course with you before it is finalised.

**Your choices may not be able to be met because of staffing or timetable problems but we will do our best.**

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## SENIORS      Year 12 and Year 13 students

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Students in their fourth year or more of secondary education are Seniors and study Senior courses.

**Senior students are required to choose five or six courses.**

- The range of senior courses is wide
- There is a range of assessment levels available
- Students match their skills, achievements and goals to course prerequisites
- Students can take any course for which they meet the prerequisites
- Students may pick up new courses to broaden their education
- Yr 12 Seniors usually study at Level 2 but may also require some Level 1 study
- Yr 13 Seniors heading towards tertiary degrees study at Level 3
- Yr 13 Seniors with different goals may study senior course Levels 1, 2 and 3
- Students need to map a pathway through their senior courses, choosing for 2018, thinking about 2019 and 2020
- Students must meet literacy and numeracy requirements (these are the same as required for Level 1)
- University Entrance is more than simply achieving NCEA Level 3. Look at the rules on page 5

**National Certificate in Education Achievement (NCEA) Level 3.**

To achieve NCEA Level 3 students need: **80 credits - at least 60 at Level 3 or above and 20 more from level 2 or above + Level 1 Literacy and Numeracy**

The courses are all described in the following pages of this booklet.

Note:            All Level 3 courses have strict prerequisites. You should aim at Merit in Level 2 to ensure entry to and success in Level 3 courses. If you have not met the prerequisites for a particular course you will need to:

**either**    be given special permission by the Head of Faculty to do the course (in some cases holiday tasks will be set)

**or**        be required to do courses which will enable you to meet the prerequisites next year.

Use the planning page in the centre of the booklet to help you sort out a course for next year and to look ahead to the following year. A member of the senior staff will discuss your course with you before it is finalised.

**Your choices may not be able to be met because of staffing or timetable problems but we will do our best**

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## OTHER LEARNING OPPORTUNITIES FOR SENIOR STUDENTS

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### STAR/GATEWAY FUNDED COURSES

All NZ secondary schools get a fund of money (STAR/Gateway) that they can use to provide students with learning opportunities that cannot be provided fully through school programmes. For more information on the following programmes or if you want to make an appointment to discuss them, please contact:

Chuni Bhikha (Careers Advisor) [Chuni.bhikha@whs.school.nz](mailto:Chuni.bhikha@whs.school.nz) 04 3858 911 (Extn) 827

### GATEWAY

Gateway is a formal work experience programme for Year 12 & Year 13 students. Students must apply for the programme, will be interviewed and have their suitability assessed by the Gateway Coordinator. High levels of regular attendance at school are required. Placements occur in a whole range of workplaces, according to student interests and involve working one day a week for 10/11 weeks. Students will have the opportunity to gain up to 20 credits that will go towards their NCEA.

For more information/expression of interest form, please contact  
[Chrissy.laing@whs.school.nz](mailto:Chrissy.laing@whs.school.nz) (Gateway Administrator) [Terry.Hawkings@whs.school.nz](mailto:Terry.Hawkings@whs.school.nz) (TIC Gateway)

### WELLINGTON EARTHCARE ACADEMY PROGRAMME (PAPA TAI AO EARTHCARE)

#### Level 2 and Level 3 Students

Through the Earthcare Academy, students develop practical and theoretical skills in ecological restoration and sustainable business while gaining 20+ Level 2 or Level 3 NCEA credits. They design and implement their own business plan for an enterprise that will contribute to healthy local environments and/or communities.

The focus is on learning through doing so a lot of the learning will take place outside of the classroom; visiting businesses, in the bush or sea. The program is delivered over 30 teaching days throughout the year in a combination of weekday, weekend and school holiday camps, in school and after-school classes.

For more information: <http://www.papataiaoearthcare.nz/>  
Contact Marty Taylor, [marty@papataiaoearthcare.nz](mailto:marty@papataiaoearthcare.nz)

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## WELLINGTON TRADES ACADEMY

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Want to stay at school? But try something different? Trades Academy lets you enjoy both worlds. Enjoy the benefits of staying at secondary school but learn new skills at the Trades Academy. The WTA partners with Wellington secondary schools to provide a year long Vocational Pathway programme that allows students to achieve NCEA L2 and get ready for employment, apprenticeships or higher-level studies

**It's as easy as 3-2-1. Three** days at school **AND Two** days of practical learning **one** programme to learn new skills.

#### Trades Academy allows you to experience a different way of learning.

- Earn credits towards your NCEA L2
  - Fees free and subsidised transport Costs
  - Relevant safety gear, materials and field trips are provided
  - You'll be coached by industry professionals keen to share their expertise
  - An excellent opportunity to start learning real skills for your career
- It allows you stay at school. Keep in touch with your friends and pursue your other extra-curricular interests including playing sport or being part of different cultural activities. **NOTE:** If you choose this option, you will only do 3 or 4 subjects when at school.

If you are interested, please make an appointment for you and your parents to see  
Mr Bhikha (Careers Adviser),  
[chuni.bhikha@whs.school.nz](mailto:chuni.bhikha@whs.school.nz),  
3858 911 ext 827

#### Programme Overview

Credits available in each WTA Programme range from 41-47 credits alongside credits earned at school. ALL credits from school and WTA will count towards achieving NCEA L2

Programme	Level	Campus
Automotive and Engineering	2	Weltec
Construction	2	Weltec
Hair and Beauty Salon Support	2	Weltec
Hospitality	2	Weltec
Fitness	2	Weltec
Animal Care	2	Weltec
Creative Technologies	2	Weltec
Trades Skills	2	Whitireia
Engines	2	Whitireia
Salon Environment	2	Whitireia
Hospitality Services	2	Whitireia
Early Childhood Studies	2	Whitireia
Health Sciences (1 Day only)	2	Whitireia



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## STUDY AFTER SECONDARY SCHOOL

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### UE requirements

- Achievement of **NCEA Level 3** (60 credits at level 3 or higher and 20 credits at level 2 or higher)
- 14 credits in each of **three** subjects from the list of approved subjects (a list of approved subjects with relevant standards is contained over the page).
- The remaining credits to achieve NCEA Level 3 may come from either achievement or unit standards.
- UE numeracy – **10 credits** at level 1 or higher from specified achievement standards or three specific numeracy unit standards
- UE literacy – **10 credits** (five in reading and five in writing) from specific level 2 and higher achievement standards. **The standards that qualify for UE literacy inclusion are noted throughout this book in the UE column.**

University Entrance will entitle you to entry to university but it may not immediately get you into the course you wish to study. In addition to the university entrance requirement, some universities work on a GES (Guaranteed Entry Score) for different degrees. For example, at Victoria University the GES from NCEA is 150 points for all degrees except the Bachelor of Architectural Studies and Bachelor of Building Science which requires a Guaranteed Entry Score of 180 points.

The GES is based on the 80 best credits in university approved subjects and is calculated by awarding points as follows:

- Excellence = 4 points
- Merit = 3 points
- Achieved = 2 points

If you achieve university entrance but not the required GES, the university will most likely waitlist you.

A quick calculation - If you 'achieve' 60 credits at level 3, you will get a GES of 120 - not enough. If you 'achieve' 30 credits at level 3 and get 30 'merit' credits, you will get a GES of 150 - just enough.

There is more information in relation to Guaranteed Entry Scores on the school website with links to university admission pages. Go to [www.whs.school.nz/ncea-information](http://www.whs.school.nz/ncea-information)

**Ad Eundem Statum** - Students who have attended school overseas and have an acceptable equivalent to the University Entrance requirements apply for Ad Eundem.

**Special Admission** - New Zealand students who are 20 years or older may apply for Special Admission. Application forms are available from the Admissions Office or the Liaison Office at the university.

### Entry to Polytechnic

The polytechnic tradition of close links with industry ensures that their qualifications are relevant to the modern workplace. Tutors are often drawn from the very industries for which students are training, meaning that graduates are equipped with the most relevant and up-to-date skills to help them meet their career goals. Entry to polytechnics varies for each course and you must find the information from the polytechnic or careers information at school.

If you are not clear about any of this information please go and see Careers Advisor, Chuni Bhikha, in the Careers Office on M Block Level 4 (M410)

## APPROVED SUBJECT LIST FOR UNIVERSITY ENTRANCE

Approved Subject	Achievement Standards
Accounting	91404, 91405, 91406, 91407, 91408, 91409
Agriculture & Horticulture	91528, 91529, 91530, 91531, 91532
Biology	91601, 91602, 91603, 91604, 91605, 91606, 91607, 91818, 91819
Business Studies	91380, 91382, 91384, 91379, 91381, 91383, 91385
Calculus	91573, 91574, 91575, 91576, 91577, 91578, 91579, 91587
Chemistry	91387, 91388, 91389, 91390, 91391, 91392, 91393
Chinese	91533, 91534, 91535, 91536, 91537
Classical Studies	91394, 91395, 91396, 91397, 91398
Construction and Mechanical Technologies	91620, 91621, 91622, 91623, 91624, 91625, 91626 (CMT), and 91627, 91628, 91629, 91630, 91631 (DVC), and 91632, 91633, 91634, 91635, 91636, 91637, 91638, 91639, 91640, 91641, 91642 (DigiTech), and 91643, 91644 (Processing Technologies), and 91608, 91609, 91610, 91611, 91612, 91613, 91614, 91615, 91616, 91617, 91618, 91619, 91836, 91837, 91838 (Hangarau)
Cook Islands Maori	91538, 91539, 91540, 91541, 91542
Dance	91588, 91589, 91590, 91591, 91592, 91593, 91594, 91595, 91850, 91851, 91852, 91853, 91854
Design (Practical Art)	91440, 91445, 91450, 91455, and 91460, 91855, 91856, 91857, 91858, 91859
Design and Visual Communication	91627, 91628, 91629, 91630, 91631 (DVC), and 91620, 91621, 91622, 91623, 91624, 91625, 91626 (CMT), and 91632, 91633, 91634, 91635, 91636, 91637, 91638, 91639, 91640, 91641, 91642 (DigiTech) and 91643, 91644 (Processing Tech), and 91608, 91609, 91610, 91611, 91612, 91613, 91614, 91615, 91616, 91617, 91618, 91619, 91836, 91837, 91838 (Hangarau)
Digital Technologies	91632, 91633, 91634, 91635, 91636, 91637, 91638, 91639, 91640, 91641, 91642 (DigiTech), and 91627, 91628, 91629, 91630, 91631 (DVC) and 91620, 91621, 91622, 91623, 91624, 91625, 91626 (CMT) and 91643, 91644 (Processing Tech), and 91608, 91609, 91610, 91611, 91612, 91613, 91614, 91615, 91616, 91617, 91618, 91619, 91836, 91837, 91838 (Hangarau)
Drama	91512, 91513, 91514, 91515, 91516, 91517, 91518, 91519, 91520, 91850, 91851, 91852, 91853, 91854
Earth and Space Science	91410, 91411, 91412, 91413, 91414, 91415
Economics	91399, 91400, 91401, 91402, 91403, 91829
Education for Sustainability	90828, 90831, 90832, 91735, 91736, 91813, 91814, 91820, 91827, 91831
English	91472, 91473, 91474, 91475, 91476, 91477, 91478, 91479, 91480
French	91543, 91544, 91545, 91546, 91547
Geography	91426, 91427, 91428, 91429, 91430, 91431, 91432, 91433
German	91548, 91549, 91550, 91551, 91552
Hangarau	See Hangarau/Technology below
Hauora*	91461, 91462, 91463, 91464, 91465 (Health Education), 91466, 91467, 91468, 91469, 91470, 91471 (Home Economics), and 91498, 91499, 91500, 91501, 91502, 91503, 91504, 91505, 91789 (Physical Education), 91811, 91812, 91813, 91814, 91815, 91816 (Hauora)
Health Education	91461, 91462, 91463, 91464, 91465, 91811, 91815, 91816
History	91434, 91435, 91436, 91437, 91438, 91439, 91830, 91834, 91835
History of Art	91482, 91483, 91484, 91485, 91488, 91486, 91487, 91489, 91855, 91856, 91857, 91858, 91859
Home Economics	91466, 91467, 91468, 91469, 91470, 91471
Indonesian	91645, 91646, 91647, 91648, 91649
Japanese	91553, 91554, 91555, 91556, 91557
Korean	91558, 91559, 91560, 91561, 91562
Latin	91506, 91507, 91508, 91509, 91510, 91511
Mathematics/Pāngarau	91573, 91574, 91575, 91576, 91577, 91578, 91579, 91587 and 91580, 91581, 91582, 91583, 91584, 91585, 91586

Approved Subject	Achievement Standards
Media Studies	91490, 91491, 91492, 91493, 91494, 91495, 91496, 91497
Music Studies	91417, 91418, 91419, 91421, 91424, 91416, 91420, 91422, 91423, 91425, 91860, 91861, 91862, 91863, 91864
Ngā Mahi a te Rēhia*	91850, 91851, 91852, 91853, 91854 (Ngā Mahi a te Rēhia); 91588, 91589, 91590, 91591, 91592, 91593, 91594, 91595 (Dance); 91512, 91513, 91514, 91515, 91516, 91517, 91518, 91519, 91520 (Drama); 91417, 91418, 91419 (Music Studies)
Ngā Toi*	91850, 91851, 91852, 91853, 91854 (Ngā Mahi a te Rēhia); 91855, 91856, 91857, 91858, 91859 (Ngā Toi Ataata); 91860, 91861, 91862, 91863, 91864 (Ngā Toi Puoro)
Ngā Toi Ataata*	91855, 91856, 91857, 91858, 91859 (Ngā Toi Ataata); 91482, 91483, 91484, 91485, 91488 (History of Art); 91440, 91445, 91450, 91455 (Visual Arts Design); 91441, 91446, 91451, 91456 (Painting); 91442, 91447, 91452, 91457 (Photography); 91443, 91448, 91453, 91458 (Printmaking); 91444, 91449, 91454, 91459 (Sculpture); and 91460 (Visual Arts); 91490, 91494, 91495 (Media Studies)
Ngā Toi Puoro*	91860, 91861, 91862, 91863, 91864 Ngā Toi Puoro (Music); 91512, 91513 (Drama); 91417, 91418, 91419, 91421, 91424 (Music Studies)
Pāngarau	See Mathematics/Pāngarau above
Painting (Practical Art)	91441, 91446, 91451, 91456, and 91460, 91855, 91856, 91857, 91858, 91859
Photography (Practical Art)	91442, 91447, 91452, 91457 and 91460, 91855, 91856, 91857, 91858, 91859
Physical Education	91498, 91499, 91500, 91501, 91502, 91503, 91504, 91505, 91789, 91812
Physics	91521, 91522, 91523, 91524, 91525, 91526, 91527
Printmaking (Practical Art)	91443, 91448, 91453, 91458, and 91460, 91855, 91856, 91857, 91858, 91859
Processing Technologies	91643, 91644 (Processing Tech), and 91620, 91621, 91622, 91623, 91624, 91625, 91626 (CMT), and 91627, 91628, 91629, 91630, 91631 (DVC), and 91632, 91633, 91634, 91635, 91636, 91637, 91638, 91639, 91640, 91641, 91642 (DigiTech), and 91608, 91609, 91610, 91611, 91612, 91613, 91614, 91615, 91616, 91617, 91618, 91619, 91836, 91837, 91838 (Hangarau)
Pūtaiao	See Science/Pūtaiao below
Science/Pūtaiao	91601, 91602, 91603, 91604, 91605, 91606, 91607 (Biology); and 91387, 91388, 91389, 91390, 91391, 91392, 91393 (Chemistry); and 91410, 91411, 91412, 91413, 91414, 91415 (Earth and Space Science); and 90828, 90831, 90832, 91735, 91736 (Education for Sustainability); and 91521, 91522, 91523, 91524, 91525, 91526, 91527 (Physics); and 91818, 91819, 91820, 91821 (Pūtaiao)
Religious Studies	90825, 90826, 90827, 91725
Samoaan	91563, 91564, 91565, 91566, 91567
Sculpture (Practical Art)	91444, 91449, 91454, 91459, and 91460, 91855, 91856, 91857, 91858, 91859
Social Studies	91596, 91597, 91598, 91599, 91600, 91826, 91828, 91832, 91833, 91834, 91835
Spanish	91568, 91569, 91570, 91571, 91572
Statistics	91580, 91581, 91582, 91583, 91584, 91585, 91586
Technology/Hangarau	91620, 91621, 91622, 91623, 91624, 91625, 91626 (CMT); and 91627, 91628, 91629, 91630, 91631 (DVC); and 91632, 91633, 91634, 91635, 91636, 91637, 91638, 91639, 91640, 91641, 91642 (DigiTech); and 91643, 91644 (Processing Tech); 91608, 91609, 91610, 91611, 91612, 91613, 91614, 91615, 91616, 91617, 91618, 91619, 91836, 91837, 91838 (Hangarau)
Te Reo Māori	91650, 91651, 91652, 91653, 91654
Te Reo Rangatira	91803, 91804, 91805, 91806, 91807, 91808, 91809, 91810, 91817
Tikanga ā-Iwi*	91826, 91827, 91828, 91829, 91830, 91831, 91832, 91833, 91834, 91835
Tongan	91679, 91680, 91681, 91682, 91683

The current list of approved subjects for University Entrance has updated Te Reo Rangatira standards.  
<http://www.nzqa.govt.nz/qualifications-standards/awards/university-entrance/approved-subjects/>

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## GUIDE TO COURSE CHOICE

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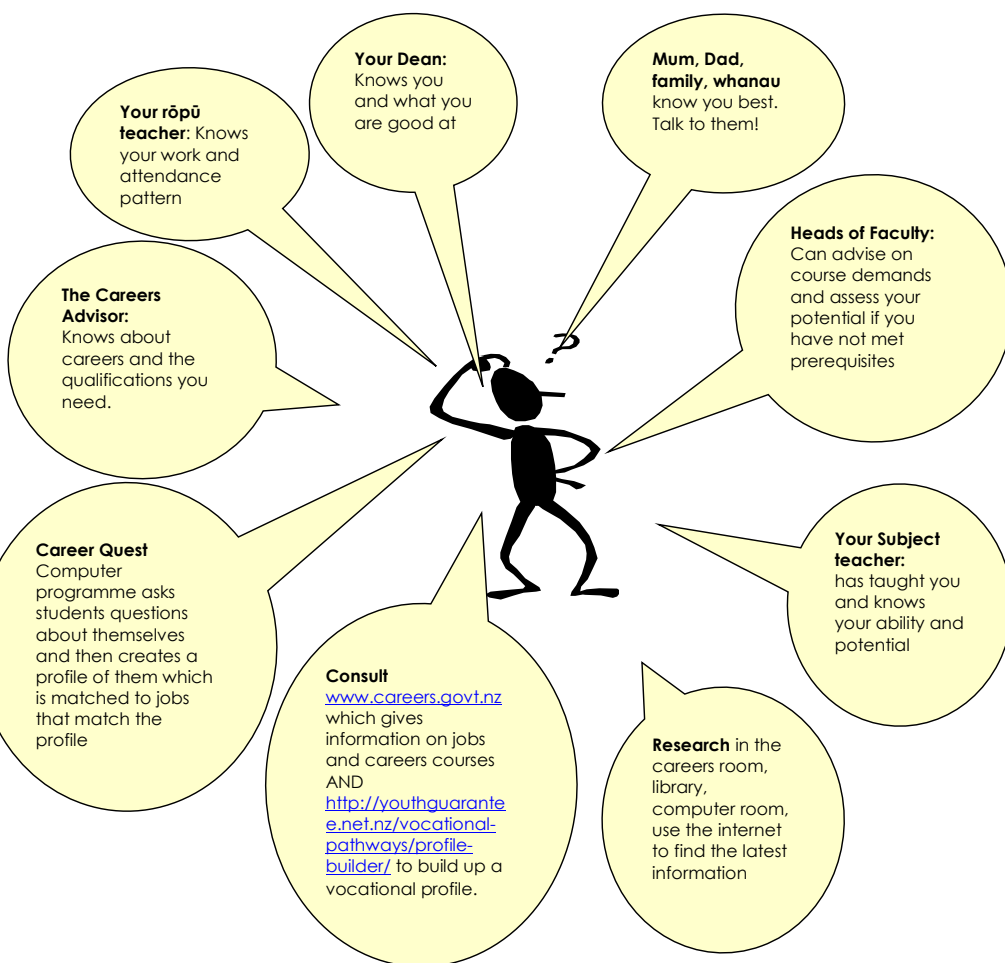
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Select courses according to your ability and interest. Bear in mind it is wise to keep a broad range of courses for as long as possible.

### Courses available

A description of each course is given on the following pages. Under the headings:

- **Prerequisites** - state the level of achievement students need before starting the course.
  - **The Course** - brief description of what you do
  - **Assessment** - how the course is assessed, internal or external and how many credits can be achieved.
- AS... indicates an Achievement Standard**  
**US... indicates a Unit Standard**  
**L1 means level 1, L2 means level 2, etc**
- **Next Step** indicates the course of further study that follows in the same course.



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## CAREERS ADVICE

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It is important that students entering Years 11 and 12 have started a career plan and have begun to invest time and energy into thinking about options available when they leave school.

### Career Planning Steps

#### Know yourself

- Career Checker - Take a quiz to find out how well your career planning is going.
- CareerQuest - Take a quiz of your interests and find job ideas.
- Know Your Skills - Find out how to identify your skills.

#### Get career ideas

- Skill Matcher - Get job ideas based on your skills.
- Subject Matcher - Get job ideas based on your school subjects.
- Compare Study Options - Compare earning and employment information across different study areas.
- Regional Job Matcher - Find local job vacancies that match your skills.
- Compare Jobs - Compare jobs from our jobs database.

#### Take action

- **CV Builder** - Create your CV online.
- **Know Your CV** - Find out how to write your CV and cover letter.

Teachers can help with choices and options but the final decision must be the student's. Often this is a time consuming process and will involve research, writing to organisations, visiting tertiary providers, visiting Careers Expos, discussing jobs with people in the workplace, and work experience where possible arranged by the student. **This must not be left until the last term at school.**

#### When making subject choices, here are a few specific points to note:

- Literacy for UE can be gained from a variety of standards at Levels 2 and 3. Check this booklet for approved standards. Students intending to study at university should take at least two subjects containing approved literacy credits.
- Mathematics should not be discarded lightly. It is prerequisite for many University and Polytechnic courses and many careers, including the Defence forces. Mathematics develops skills which are sought after in many areas.
- Physics and/or Chemistry are necessary for many science-based courses and are difficult to pick up at a tertiary institution without a school background in them.
- Competency in a second language opens many career doors and is a sought after second major in some degrees. An ability to speak Te Reo Maori is important for many careers.
- Biology and/or Chemistry are necessary for many Health careers.
- Students intending to do Engineering should take Calculus, Physics and, for some options, Chemistry.
- Students intending to do Architecture should consider Physics and Calculus as useful subjects, though they are not compulsory prerequisites. Graphics or Design Technology are also useful subjects.
- Students intending to major in Computer Studies should take Calculus.
- Students intending to study Commerce at University should have a good background in Mathematics. Calculus is very useful for those majoring in Economics or Money and Finance. Statistics and Economics – Business Studies are useful but not essential prerequisites.
- There is no longer direct entry into Medicine. All students need to complete a Health Science first Year. Entry to second year Medicine will be based on grades combined with UMAT test results.
- Very good marks in Year 13 subjects may mean that some University courses can be started at 200 level. Credit is not given for the 100 level course not taken. This is up to the Faculty concerned.

## COURSES OF STUDY

Essential Learning Areas	Year 9 Students have a compulsory course of study			
	Year 10 →	NCEA Level 1 →	NCEA Level 2 →	NCEA Level 3
<b>ARTS</b> <i>*This is a combined course with English</i>	Art  Drama Music	Art  Drama Music  Technical Performing Arts	Visual Art Painting Sculpture Design (Art) Photography Drama Music Painted Word*  Technical Performing Arts	Visual Art Painting Sculpture Design (Art) Photography Drama Music Painted Word*  Technical Performing Arts
<b>ENGLISH</b> <i>*This is a combined course with English</i>	English English Language	English English Language  Classical Studies	English English Language English with Science Fiction English for Writers  Classical Studies Painted Word*	English English Language  English for Writers English and Philosophy  Classical Studies Painted Word*
<b>LANGUAGES</b>	Chinese Japanese Te Reo Māori Spanish	Chinese Japanese Te Reo Māori Spanish	Chinese Japanese Te Reo Māori Spanish	Chinese Japanese Te Reo Māori Spanish
<b>MATHEMATICS</b>	Mathematics	Maths with Algebra Maths with Statistics Bridging Mathematics Numeracy Arotahi	Maths with Algebra Maths with Statistics	Calculus Statistics Mathematics
<b>PHYSICAL EDUCATION AND HEALTH</b>	Physical Education Sport Science  Health Education	Outdoor Education Sport Science Recreation  Health Education	Outdoor Education Sport Science Recreation  Health Education	Outdoor Education Sport Science Recreation  Health Education
<b>SCIENCE</b>	Science	Science  Arotahi Science	Biology Chemistry Physics  Agriculture / Horticulture  Earth & Space Science	Biology Chemistry Physics  Agriculture / Horticulture

Essential Learning Areas	Year 9 Students have a compulsory course of study			
	Year 10 →	NCEA Level 1 →	NCEA Level 2 →	NCEA Level 3
SOCIAL SCIENCES		Asian Studies		
	Business Studies	Business Studies	Business Studies	Economics
	Classical Studies	Classical Studies Geography History	Classical Studies Geography History	Classical Studies Geography History
	Media Studies	Media Studies	Journalism Legal Studies	Journalism Legal Studies Crime and Society
	Social Studies		Moving Image Culture	Moving Image Culture
TECHNOLOGY	Computer Science	Practical Computing Computer Science	Practical Computing Computer Science	Computer Science
	Digital Media Design Tech Wkshp	Digital Media Furniture & Cabinet Making	Digital Media Practical Workshop	Digital Media Practical Workshop
	Design Visual Com	Design Visual Com	Design Visual Com	Design Visual Com
		Mechanical Engineering	Mechanical Engineering Electronics	Electronics Sonic Arts
	Fashion	Fashion Technology	Fashion Technology	Fashion Technology
	Food Technology	Food Technology Practical Food & Nutrition Crest	Food Technology Hospitality Barista Skills Crest	Food Technology Hospitality Crest

## COURSE COSTS

A number of courses available at Wellington High School have course Costs attached to them. These Costs enrich students' learning experience and allow us to provide a diverse curriculum. Payment is by way of a donation and your financial support of these programmes is appreciated.

# THE ARTS *Nga Toi*

## Head of Faculty – Jania Bates

Year 9	Year 10	NCEA Level 1	NCEA Level 2	NCEA Level 3
Art	Art	Art	Painting Sculpture Design (Art) Photography	Painting Sculpture Design (Art) Photography
Drama Music	Drama Music	Drama Music  Technical Performing Arts	Drama Music  Painted Word* Technical Performing Arts	Drama Music  Painted Word* Technical Performing Arts

\* This is a combined course with English

### ART – Level 1

#### ART – ART112

**Prerequisite:** Experience in Year 10 art preferable

**The Course:** Students will explore and choose from a range of existing practices in art-making to generate and develop their knowledge and skills. They will use creative and critical thinking in the context of art processes and procedure to extend and resolve their ideas in the production of original work.

**Assessment:**

	Standard Name	Number of Credits	Internal/ External
AS 90914	Use drawing methods and skills for recording information using wet and dry media.	4	Internal
AS 90915	Use drawing conventions to develop work in more than one field of practice.	6	Internal
AS 90916	Produce a body of work informed by established practice, which develops ideas, using a range of media.	12	External
<b>Total credits available</b>		<b>22</b>	

**Course Endorsement:** Offered in this course

**Next Step:** ASC223, APT223, DES223, PHO223

**Costs:** \$20

Year 11 Senior Art Pack from Gordon Harris Art Supplies ([www.gordonharris.co.nz](http://www.gordonharris.co.nz))

### ART – Level 2

#### ART PAINTING – APT223

**Prerequisite:** Experience in Year 11 Art

**The Course:** This course offers the opportunity to further develop their art practice in the field of painting and through exemplars of existing practice they will discover an awareness of alternative approaches. The course culminates in a two panel folio for external examination.

**Assessment:**

	Standard Name	Number of Credits	Internal/ External
AS 91311	Use drawing methods to apply knowledge of conventions appropriate to painting	4	Internal
AS 91316	Develop ideas in a related series of drawings appropriate to established painting practice	4	Internal
AS 91321	Produce a systematic body of work that shows understanding of art making conventions and ideas within painting	12	External
<b>Total credits available</b>		<b>20</b>	

**Course Endorsement:** Offered in this course

**Next step:** ASC335, APT335, DES335, PHO335

**Costs:** \$30 plus Art Senior painting pack, Year 12. Purchase pack from Gordon Harris Art Supplies. [www.gordonharris.co.nz](http://www.gordonharris.co.nz)



**ART SCULPTURE – ASC223****Prerequisite:** Experience in Year 11 Art**The Course:** The course allows students to explore a range of sculptural practices which include installation, time-based art, and object art. They will learn how to work with a systematic approach to develop ideas in a body of work culminating in a two panel folio.**Assessment:**

	Standard Name	Number of Credits	Internal/ External
AS 91314	Use drawing methods to apply knowledge of conventions appropriate to sculpture	4	Internal
AS 91324	Produce a systematic body of work that shows understanding of art making conventions and ideas within sculpture	12	External
<b>Total credits available</b>		<b>16</b>	

**Course Endorsement:** Offered in this course**Next step:** ASC335, APT335, DES335, PHO335**Costs:** \$40Art Senior pack, Year 12 Sculpture. Purchase pack from Gordon Harris Art Supplies  
[www.gordonharris.co.nz](http://www.gordonharris.co.nz)**DESIGN – DES223****Prerequisite:** Experience in Year 11 Art**The Course:** Students will research, develop and present ideas in visual communication through drawing and digital manipulation, based on existing design practice culminating in a two panel folio for external examination.**Assessment:**

	Standard Name	Number of Credits	Internal/ External
AS 91310	Use drawing methods to apply knowledge of conventions appropriate to design	4	Internal
AS 91315	Develop ideas in a related series of drawings appropriate to established design practice	4	Internal
AS 91320	Produce a systematic body of work that shows understanding of art making conventions and ideas within design	12	External
<b>Total credits available</b>		<b>20</b>	

**Course Endorsement:** Offered in this course**Next step:** ASC335, APT335, DES335, PHO335**Costs:** \$40Art Senior pack, Year 12, Design. Purchase pack from Gordon Harris Art Supplies  
[www.gordonharris.co.nz](http://www.gordonharris.co.nz).**PHOTOGRAPHY – PHO223****Prerequisite:** Experience in Year 11 Art

Digital camera with manual capabilities, USB memory stick,

**NB:** Discuss camera requirements with Photography teacher before purchasing camera.**The Course:** This course involves practical and theoretical studies covering camera handling, composition and digitally manipulating photographs using Photoshop software. The course culminates in a two panel folio for external examination.**Assessment:**

	Standard Name	Number of Credits	Internal/ External
AS 91312	Use drawing methods to apply knowledge of conventions appropriate to photography	4	Internal
AS 91317	Develop ideas in a related series of drawings appropriate to established photography practice	4	Internal
AS 91322	Produce a systematic body of work that shows understanding of art making conventions and ideas within photography	12	External
<b>Total credits available</b>		<b>20</b>	

**Course Endorsement:** Offered in this course**Next step:** ASC335, APT335, DES335, PHO335**Costs:** \$40Art Senior pack, Year 12, Photography. Purchase pack from Gordon Harris Art Supplies.  
[www.gordonharris.co.nz](http://www.gordonharris.co.nz).

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## ART – Level 3

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### ART PAINTING – APT335

**Prerequisite:** Achieve TWO standards from either ART223, ARD223, PHO223, ASC223 or APT223  
**The Course:** In the first half of the year this course aims to develop an awareness of alternative approaches to drawing and painting. The emphasis is on contemporary work. Students are encouraged to visit public art and dealer art galleries. The second half of the year is spent producing a body of work for the level 3 folio. This course is University Entrance approved.

**Assessment:**

	Standard Name	Number of Credits	Internal/ External
AS 91446	Use drawing to demonstrate understanding of conventions appropriate to painting	4	Internal
AS 91451	Systematically clarify ideas using drawing informed by established painting practice	4	Internal
AS 91456	Produce a systematic body of work that integrates conventions and regenerates ideas within painting practice	14	External
<b>Total credits available</b>		<b>22</b>	

**Course Endorsement:** Offered in this course  
**Next step:** Art School, Design School, Tertiary course  
**Costs:** \$40  
Art Senior Pack Year13, Painting. Purchase pack from Gordon Harris Art Supplies  
[www.gordonharris.co.nz](http://www.gordonharris.co.nz)

### ART SCULPTURE – ASC335

**Prerequisite:** Achieve TWO standards from either DES223, PHO223, ASC223 or APT223  
**The Course:** Students develop their skills in creative problem solving through creating in three-dimensional form. Students investigate International and New Zealand artists and critically reflect on, respond to, and evaluate their art works. The course allows students to explore a range of sculptural practices which include installation, time-based art, and object art. They will learn how to work with a systematic approach to develop ideas in a body of work, culminating in a three panel folio. This course is University Entrance approved.

**Assessment:**

	Standard Name	Number of Credits	Internal/ External
AS 91449	Use drawing to demonstrate understanding of conventions appropriate to sculpture	4	Internal
AS 91459	Produce a systematic body of work that integrates conventions and regenerates ideas within sculpture practice	14	External
<b>Total credits available</b>		<b>18</b>	

**Course Endorsement:** Offered in this course  
**Next step:** Art School, Design School, Tertiary course  
**Costs:** \$60  
Art Senior Pack Year13, Sculpture. Purchase pack from Gordon Harris Art Supplies  
[www.gordonharris.co.nz](http://www.gordonharris.co.nz)

### DESIGN – DES335

**Prerequisite:** Achieve TWO standards from either DES223, PHO223, ASC223 or APT223  
**The Course:** Students will research, develop and present ideas in visual communication or illustration, through drawing and digital manipulation, based on existing design practice, culminating in a three panel folio for external examination. This course is University Entrance approved.

**Assessment:**

	Standard Name	Number of Credits	Internal/ External
AS 91445	Use drawing to demonstrate understanding of conventions appropriate to DESIGN	4	Internal
AS 91455	Produce a systematic body of work that integrates conventions and regenerates ideas within DESIGN practice	14	External
<b>Total credits available</b>		<b>18</b>	

**Course Endorsement:** Offered in this course  
**Next step:** Art School, Design School, Tertiary course  
**Costs:** \$60  
Art Senior Pack Year13, Design. Purchase pack from Gordon Harris Art Supplies  
[www.gordonharris.co.nz](http://www.gordonharris.co.nz)

## PHOTOGRAPHY – PHO335

**Prerequisite:** Achieve TWO standards from either ART223, ARD223, PHO223, ASC223 or APT223  
Digital camera with manual capabilities, USB memory stick. **NB** Please discuss camera requirements with Photography teacher before purchasing a camera.

**The Course:** This course teaches students to research and develop ideas in photography. Students will have the opportunity to develop their skills digitally, manipulating images in Photoshop software. The course culminates in a three panel folio for external examination. This course is University Entrance approved.

**Assessment:** Choose one internal plus the external exam for total of 18 credits

Standard Name	Number of Credits	Internal/ External	N/L	
AS 91447	Use drawing to demonstrate understanding of conventions appropriate to photography	4	Internal	
AS 91452	Systematically clarify ideas using drawing informed by established photography practice	4	Internal	
AS 91457	Produce a systematic body of work that integrates conventions and regenerates ideas within photography practice	14	External	
<b>Total credits available</b>		<b>20</b>		

**Course Endorsement:** Offered in this course

**Next step:** Art School, Design School, Tertiary course

**Costs:** \$60  
Art Senior Pack Year13, Photography. Purchase pack from Gordon Harris Art Supplies  
[www.gordonharris.co.nz](http://www.gordonharris.co.nz)

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## DRAMA

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### DRAMA – DRA112

**Prerequisites:** Year 10 Drama or by audition

**The Course:** Year 11 Drama sees students step onto the public stage for the first time. They develop their skills in acting, devising and movement and are challenged to lift their creativity to a new level. Assessments will be a combination of in-class performances and a major production that is presented to a public audience.

**Assessment:**

Standard Name	Number of Credits	Internal/ External	L/N	
AS 90006	Apply drama techniques in a dramatic context.	4	Internal	L
AS 90009	Perform and acting role in a scripted production	5	Internal	L
AS 90997	Devise and perform a drama	5	Internal	L
AS 90999	Use features of a drama/theatre form in a performance	4	Internal	L
<b>Total credits available</b>		<b>18</b>		

**Course Endorsement:** Not offered

**Next step:** DRA223

**Costs:** Students will see three professional live theatre performances during 2018. This is an NCEA requirement. The cost for this is \$60.

**DRAMA – DRA223****Prerequisites:** 14 credits from DRA112 or arrange for an audition**The Course:** This course extends and further develops student acting skills and teaches critical analysis of live theatre. The Year 12 production highlights a significant step up for students in the expected level of their own performance.**Assessment:**

	<b>Standard Name</b>	<b>Number of Credits</b>	<b>Internal/ External</b>	<b>L/N</b>	<b>U/E W/R</b>
AS 91213	Apply drama techniques in a scripted context.	4	Internal	L	R
AS 91214	Devise and perform a drama to realise an intention	5	Internal	L	
AS 91218	Perform a substantial acting, role in a scripted production	5	Internal	L	R
AS 91219	Discuss drama elements, techniques, conventions and technologies within live performance	4	External	L	W
<b>Total credits available</b>		<b>18</b>			

**Course Endorsement:** Offered in this course**Next step:** DRA335**Costs:** Students will see three professional live theatre performances during 2018. This is an NCEA requirement. The cost for this is \$60**DRAMA – DRA335****Prerequisites:** 14 credits from DRA 223 or arrange to audition for the course.**The Course:** Year 13 Drama features the challenge of solo performance, major production and devised student works all of which are assessed on stage in front of a public audience. This course is University Entrance approved.**Assessment:**

	<b>Standard Name</b>	<b>Number of Credits</b>	<b>Internal/ External</b>	<b>N/L</b>	<b>U/E W/R</b>
AS 91512	Interpret scripted text to integrate drama techniques in performance	4	Internal		
AS 91513	Devise and perform a drama to realise a concept	5	Internal	L	
AS 91517	Perform a substantial acting role in a significant production	5	Internal	L	R
AS 91518	Demonstrate understanding of live drama performance	4	External	L	W
<b>Total credits available</b>		<b>18</b>			

**Course Endorsement:** Offered in this course**Next step:** University, Toi Whakaari, teacher training, performing arts training, any field that requires confidence and communication skills.**Costs:** Students will see three professional live theatre performances during 2018. This is an NCEA requirement. The cost for this is \$60

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## MUSIC

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### MUSIC - MUS112

**Prerequisite:** Minimum of two years music tuition from either a private tutor or school itinerant music tutor. Achievement in Year 10 Music, or acceptance by audition / HOD approval. Grade 2 music theory or equivalent.

**Corequisite:** Weekly lesson with a music tutor.

**The Course:** The Music curriculum entails the four strands of Solo Performance, Group Performance, Composition and Musical Knowledge. Students study all aspects of the Music curriculum at an intermediate level. Students work towards performances (on their chosen instrument or voice) as soloists and in groups (Music Evening). Students write songs and instrumental pieces individually or in groups. Students gain inside knowledge of the main elements of music.

**Assessment:**

	Standard Name	Number of Credits	Internal/ External
AS 91090	Perform two pieces of music as a featured soloist	6	Internal
AS 91091	Demonstrate ensemble skills through performing a piece of music as a member of a group	4	Internal
AS 91092	Compose two original pieces of music.	6	Internal
AS 91094	Demonstrates knowledge of conventions used in music scores	4	External
<b>Total credits available</b>		<b>20</b>	

**Course Endorsement:** Offered in this course

**Next step:** MUS223 or MUSTECH

**Costs:** Itinerant Music lessons for the year are free of charge

### MUSIC - MUS223

**Prerequisites:** Minimum of three or four years' music tuition from either a private tutor or school itinerant music tutor. Grade 3 or 4 music theory or equivalent. Achievement in Year 11 Music, or acceptance by audition / HOD approval.

**Corequisite:** Weekly lesson with a music tutor for students attempting performance standards.

**The Course:** The Music curriculum entails the four strands of Solo Performance, Group Performance, Composition and Musical Knowledge. Students study all aspects of the music curriculum at an intermediate/advanced level. Students work towards performances (on their chosen instrument or voice) as soloists and in groups (Music Evening). Students write songs and instrumental pieces individually or in groups. Students gain inside knowledge of the main elements of music.

**Assessment:**

	Standard Name	Number of credits	Internal/ External	N/L
AS 91270	Perform two substantial pieces of music as a featured soloist.	6	Internal	
AS 91272	Demonstrate ensemble skills by performing a substantial piece of music as a member of a group.	4	Internal	
AS91271	Compose two substantial pieces of music.	6	Internal	
AS 91277	Demonstrate understanding of two substantial contrasting music works	6	External	L
AS91274	Perform a substantial piece of music as a featured soloist on a second instrument	3	Internal	
<b>Total credits available</b>		<b>25</b>		

**Course Endorsement:** Offered in this course

**Next step:** MUS335

**Costs:** Itinerant music lessons for the year are free of charge

## MUSIC – MUS335

**Prerequisites:** Minimum 3-4 years music tuition from either a private tutor or school itinerant music tutor. Grade 3/4 music theory or equivalent. Achievement in Y12 Music, or acceptance by audition / HOD approval.

**Corequisite:** Weekly lesson with a music tutor for students attempting performance standards.

**The Course:** The Music curriculum entails the four strands of Solo Performance, Group Performance, Composition and Musical Knowledge. Students study all topics at an advanced level. Students gain inside knowledge of the main elements of music. Students work towards performances (on their chosen instrument or voice) as soloists or write songs and instrumental pieces individually or in groups. Students perform in groups at the Music Evening. It is not recommended to do solo performance and composition in the same year although possible if approved by TIC of Music. This course is University Entrance approved.

### Assessment:

	Standard Name	Number of credits	Internal/ External
AS 91416	Making Music: Perform two programmes of music as a featured soloist	8	Internal
AS91417	Perform a programme piece of music as a featured soloist on a second instrument	4	Internal
AS 91418	Making Music: Demonstrate ensemble skills by performing two substantial pieces of music as a member of a group	4	Internal
AS 91419	Making Music: Communicate musical intention by composing three original pieces of music	8	Internal
AS 91423	Examine the influence of context on a substantial music work	4	External
AS 91849	Compose three original songs that express imaginative thinking	8	External
AS 91425	Research a music topic	6	Internal
	<b>Total credits available</b>	<b>42*</b>	

\* We advise choosing between 16 and 24 credits

**Course Endorsement:** Offered in this course

**Next step:** Tertiary study

**Costs:** Itinerant Music lessons for the year are free of charge

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## PAINTED WORD

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### PAINTED WORD - PWD223

**Prerequisite:** Interest in Art and 14 credits at Level 1 English

**The Course:** If you love art and you are interested in how artists and writers respond to and reflect the world they lived in, this is the course for you. In PWD223 you will study how our New Zealanders have depicted themselves and each other in their art, architecture, films and literature. You will have ample opportunity to visit galleries and learn from curators, artists and writers. Where possible, work will be assessed against both Art History and English standards. Where possible, work will be assessed against both Art History and English standards.

### Assessment:

	Standard Name	Number of Credits	Internal/ External	L/N	UE W/R
AS 91101	Produce a selection of crafted and controlled writing	6	Internal	L	W
AS 91102	Construct and deliver a crafted and controlled oral text	3	Internal	L	
	<b>Total English credits available:</b>	<b>9</b>			
AS 91180	Examine the effects of formal elements of art works	4	External	L	W
AS 91181	Examine the meanings conveyed by art works	4	External	L	W
AS 91182	Examine the influence of context(s) on art works	4	External	L	W
AS 91184	Communicate understanding of an art history topic	4	Internal	L	R
AS 91185	Communicate a considered personal response to art works	4	Internal	L	
AS91183	Examine how media are used to create effects in art works	4	Internal	L	
	<b>Total Art History credits available:</b>	<b>24</b>			
	<b>Total credits available</b>	<b>31</b>			

**Course Endorsement:** Offered in this course in PWD223

**Next Step:** PWD335

**Costs:** A laptop or computer.

## PAINTED WORD - PWD335

**Prerequisite:** Interest in Art and 14 Level 2 English credits (including UE literacy)

**The Course:** If you love art and are interested in how artists think and creatively and critically communicate ideas in their work, this course is for you. This course helps develop an appreciation and understanding of art through the ages with a particular emphasis on Modern American and New Zealand art. You will study extraordinary periods of rapid and exciting change. The English aspects of the course will involve writing, around Art History themes and investigating the connections between visual and written art. Where possible, work will be assessed against both Art History and English standards. There will be a selection of credits offered. This will be decided in collaboration with your teacher.

**Assessment:** \* are optional standards

Standard Name	Number of Credits	Internal/ External	L/N	UE W/R
AS 91482 Demonstrate understanding of style in artworks	4	External	L	W&R
AS 91483 Examine how meanings are communicated through art*	4	External	L	W&R
AS 91484 Examine the relationship(s) between art and context	4	External	L	W&R
AS 91485 Examine the impact of media and processes on art works	4	Internal	L	R
AS 91489 Analyse texts about art	4	Internal	L	R
AS 91488 Examine a the relationship(s) between a theory and art works	4	Internal	L	R
<b>Total Art History credits available:</b>	<b>24</b>			
AS 91475 Produce a selection of fluent and coherent writing which develops, sustains, and structures ideas	6	External	L	W
AS 91476 Create and deliver of a fluent and coherent oral text which develops, sustains, and structures ideas	3	Internal	L	
<b>Total English credits available</b>	<b>9</b>			

**Course Endorsement:** Offered in this course

**Next Step:** Tertiary study

**Costs:** Nil

## PERFORMING ARTS

### TECHNICAL PERFORMING ARTS - TOI112

**Prerequisite:** Year 10 Art or Drama

**The Course:** This course offers students the chance to develop technical skills in the Performing Arts which will include lighting for a production, stage make-up, costuming, prop making, front of house skills, and stage management.

**Assessment:**

Standard Name	Number of Credits	Internal/ External
US 26686 <b>Demonstrate and apply knowledge of simple stage lighting.</b>	4	Internal
US 26688 <b>Demonstrate knowledge and techniques of make-up application for a performance context.</b> Students design make-up (and hair) for a character e.g vampire, clowns, zombie, cartoon character, fashion/glamour model. Students will apply the make-up to their own design.	4	Internal
US 26689 <b>Demonstrate knowledge of costuming for a performance context.</b> Students will learn how to coordinate or assemble a costume for a specified character	3	Internal
US 26690 <b>Construct item(s) to meet production needs for a performance context from a given brief.</b> Students will construct a mask or a prop for a production	3	Internal
US 26691 <b>Assist in a performing arts production by undertaking a specified production role</b> Students will learn how to set up seating block, operate follow spot or usher for a production	2	Internal
<b>Total credits available</b>	<b>16</b>	

**Course Endorsement:** Not offered in this course

**Next Step:** TOI223

**Costs:** Nil

**TECHNICAL PERFORMING ARTS - TOI223****Prerequisite:** TOI112 or Level 1 Art or Level 1 Drama**The Course:** This course offers students the chance to develop technical skills in the Performing Arts which will include lighting for a production, stage make-up, costuming, prop making, front of house skills, and stage management.**Assessment:**

Standard Name		Number of Credits	Internal/ External
US 27699	Research and design a costume for a specified performance context	4	Internal
US 27701	Demonstrate knowledge and skills of make-up design and application for a specified character	3	Internal
US 27704	Design and construct item(s) to meet production needs for a performance context	4	Internal
US 27700	Demonstrate and apply knowledge of stage lighting design and process for a performance context	4	Internal
US 27702	Take responsibility for a production area of a performance	4	Internal
<b>Total credits available</b>		<b>19</b>	

**Course Endorsement:** Not offered in this course**Next Step:** TBA**Costs:** Nil



# ENGLISH *Ingarihi*

## Head of Faculty – Caitlin Reilly

Year 9	Year 10	Level 1	Level 2	Level 3
English English Language	English English Language	English English Language	English English Language	English English Language
			English with Science Fiction	
			English for Writers	English for Writers
			Classical Studies	English and Philosophy
		Classical Studies	Painted Word*	Classical Studies
				Painted Word*

NOTE:

*Painted Word* is found at the end of the Arts subjects  
*Classics 1 12* is found in Social Sciences

### Exclusions:

PWD223 and ENG223

PWD335 and ENG335

ENG112 and CLS112 (recommended as an exclusion)

**NOTE:** **Auckland University has its own university entrance requirements and is asking for 16 English credits at level 2 or level 3.**

### Should I take Level 2 English?

In the New Zealand curriculum document the English learning area is introduced by the following whakatauki:

*Language is my identity  
 Language is my uniqueness  
 Language is my life*

At Wellington High School we believe that proficiency in one of our official languages and familiarity with our stories is essential to both a good education and a healthy sense of identity. While UE literacy can be gained through a variety of subjects, at least one university is already instituting their own requirements and insisting on L2 English credits as a condition of entry.

In order to prevent students from limiting their options later, we recommend that all students in year 12 enrol in either ENG223 PWD223, CLS223 or ENV223. Please make sure that your programme allows you the opportunity to gain 5 writing and 5 reading credits.

If you wish to be excused from enrolling in an English based course in Year 12, please put your reasons in writing and submit them to your dean by the end of Term 3.

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## ENGLISH – LEVEL 1

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### ENGLISH – ENG112

**Prerequisite:** None

**The Course:** In ENG112, you will study a range of books, short stories, poems and films. This is a chance for you to really develop your skills in writing, reading, discussing and presenting. You will sit a range of internal and external standards selected from the list below. You are expected to gain between 14 and 20 credits.

**Assessment:**

	Standard Name	Number of Credits	Internal/ External	L/N
AS 90849	Show understanding of specified aspect(s) of studied written text(s), using supporting evidence	4	External	L
AS 90850	Show understanding of specified aspect(s) of studied visual or oral text(s), using supporting evidence	4	External	L
AS 90851	Show understanding of significant aspects of unfamiliar written text(s) through close reading, using supporting evidence	4	External	L
AS 90052	Produce formal writing	3	Internal	L
AS 90053	Produce creative writing	3	Internal	L
AS 90856	Show understanding of visual and/or oral text(s) through close viewing and/or listening, using supporting evidence	3	Internal	L
AS 90854	Form personal responses to independently read texts supported by evidence.	4	Internal	L
	<b>Total credits available</b>	<b>23</b>		

**Course Endorsement:** Offered in this course

**Next Step:** ENG223, PWD223, ENW223, ENS223,

**Costs:** Netbook and laptop and headphones. Additional costs may apply for class trips and/or guest speakers.

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## ENGLISH – LEVEL 2

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### ENGLISH - ENG223

**Prerequisite:** 12 achievement standard credits in Level 1 English

**The Course:** In ENG223, you will advance your skills in written, oral and visual language through studying a wide variety of stimulating written texts and films in depth. A range of credits is offered. While there will be an emphasis on gaining Level 2 reading and writing credits which are essential for university entrance, you will work with teachers to select the standards that best suit your needs and strengths at 'assessment points' during the year. You will sit no more than two external standards. Students are expected to gain between 14 and 20 credits. UE literacy is available in this course.

**Assessment:**

	Standard Name	Number of Credits	Internal/ External	U/E W/R
AS 91098	Analyse specified aspect(s) of studied written text(s)	4	External	W & R
AS 91099	Analyse specified aspect(s) of studied visual or oral text(s)	4	External	W
AS 91100	Analyse specified aspect(s) of unfamiliar written text(s) through close reading	4	External	W & R
AS 91101	Produce a selection of crafted and controlled writing	6	Internal	W
AS 91103	Create a crafted visual and verbal text	3	Internal	
AS 91102	Construct and deliver a crafted and controlled oral text	3	Internal	
AS 91106	Form developed personal response(s) to independently read text(s)	4	Internal	R
AS 91105	Use information literacy skills to form developed conclusions	4	Internal	R
AS 91107	Analyse significant connections across texts, supported by evidence	4	Internal	
	<b>Total credits available</b>	<b>Negotiated</b>		

**Course Endorsement:** Offered in this course

**Next Step:** ENG335, PWD223, ENW223, ENP335

**Costs:** Netbook and laptop and headphones. Additional costs may apply for class trips and/or guest speakers.

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**ENGLISH and SCIENCE FICTION - ENS223****Prerequisite:** 12 achievement standard credits in Level 1 English**The Course:** If you are a fan of science fiction books and films and you wonder how scientific discoveries are going to shape our society in the future, this is the course for you. You will be offered a similar range of credits as the students in ENG223, but you will focus on reading, viewing and writing science fiction texts. While, there will be an emphasis on gaining Level 2 reading and writing credits which are essential for university entrance, you will work with teachers to select the standards that best suit your needs and strengths at 'assessment points' during the year. You will sit no more than two external standards. Students are expected to gain between 14 and 20 credits. UE literacy is available in this course.**Assessment:**

Standard Name	Number of Credits	Internal/ External	U/E W/R	
AS 91098	Analyse specified aspect(s) of studied written text(s)	4	External	W & R
AS 91099	Analyse specified aspect(s) of studied visual or oral text(s)	4	External	W
AS 91100	Analyse specified aspect(s) of unfamiliar written text(s) through close reading	4	External	W & R
AS 91101	Produce a selection of crafted and controlled writing	6	Internal	W
AS 91103	Create a crafted visual and verbal text	3	Internal	
AS 91102	Construct and deliver a crafted and controlled oral text	3	Internal	
AS 91106	Form developed personal response(s) to independently read text(s)	4	Internal	R
AS 91105	Use information literacy skills to form developed conclusions	4	Internal	R
AS 91104	Analyse significant connections across texts, supported by evidence	4	Internal	
AS91107	Analyse aspects of visual and/or oral text(s) through close viewing and/or listening with supporting evidence	3	internal	
<b>Total credits available</b>		<b>Negotiated</b>		

**Course Endorsement:** Offered in this course**Next Step:** ENG335, PWD223, ENW223, ENP335**Costs:** Netbook and laptop and headphones. Additional costs may apply for class trips and/or guest speakers.**ENGLISH for WRITERS - ENW223****Prerequisite:** 12 achievement standard credits in Level 1 English**The Course:** If you really enjoy writing and would like the opportunity to develop your skills as an author, this is the course for you. The focus will be on what makes great writing and you will read texts and think about how they could inspire your own work. You will also have the opportunity to workshop your writing with published authors. There will be an emphasis on gaining Level 2 reading and writing credits which are essential for university entrance. As your work improves you may have the opportunity to have internal standards assessed at Level 3. You will sit no more than two external standards. Students are expected to gain between 12 and 20 credits. UE literacy is available in this course.**Assessment:**

Standard Name	Number of Credits	Internal/ External	U/E W/R	
AS 91098	Analyse specified aspect(s) of studied written text(s)	4	External	W & R
AS 91099	Analyse specified aspect(s) of studied visual or oral text(s)	4	External	W
AS 91100	Analyse specified aspect(s) of unfamiliar written text(s) through close reading	4	External	W & R
AS 91101	Produce a selection of crafted and controlled writing	6	Internal	W
AS 91106	Form developed personal response(s) to independently read text(s)	4	Internal	R
AS 91105	Use information literacy skills to form developed conclusions	4	Internal	R
AS 91104	Analyse significant connections across texts, supported by evidence	4	Internal	
<b>Total credits available</b>		<b>Negotiated</b>		

**Course Endorsement:** Offered in this course**Next Step:** ENG335, PWD223, ENW223, ENP335**Costs:** Netbook and laptop and headphones. Additional costs may apply for class trips and/or guest speakers.

## ENGLISH – LEVEL 3

### ENGLISH – ENG335

**Prerequisite:** 14 credits from ENG223, ENW223, PWD223 or ENS223, including 5 reading and 5 writing credits  
**The Course:** In ENG335, you will consider various ways in which texts can be interpreted and learn about how we can view texts from various points of view such as feminist, historical and Marxist. You will also develop your writing skills working on increasingly sophisticated use of language and syntax. You will enter no more than two external standards. University Entrance is available in this course.

**Assessment:**

Standard Name	Number of credits	Internal	U/E W/R
AS 91472 Respond critically to specified aspect(s) of studied written text(s), supported by evidence	4	External	W & R
AS 91473 Respond critically to specified aspect(s) of studied visual or oral text(s), supported by evidence	4	External	W
AS 91474 Respond critically to significant aspect(s) of unfamiliar written text(s) through close reading, supported by evidence	4	External	W & R
AS 91475 Produce a selection of fluent and coherent writing which develops, sustains, and structures ideas	6	Internal	W
AS 91476 Create and deliver a fluent oral text which develops, sustains and structures ideas	3	Internal	
AS91477 Create a fluent visual text which develops, sustains and structures ideas using verbal and visual language	3	Internal	
AS91478 Respond critically to significant connections across texts, supported by evidence	4	internal	
AS 91479 Develop an informed understanding of literature and/or language using critical texts	4	Internal	
<b>Total credits available</b>	<b>Negotiated</b>		

**Course Endorsement:** Offered in this course  
**Next step:** Tertiary course or employment  
**Costs:** Netbook and laptop and headphones. Additional costs may apply for class trips and/or guest speakers.

### ENGLISH WITH PHILOSOPHY – ENP335

**Prerequisite:** 14 credits from ENG223, ENW223, PWD223 or ENS223, including 5 reading and 5 writing credits.  
**The Course:** If you are interested in philosophy, and you love a good discussion, this is the course for you. You will gain a broad understanding of different branches of philosophy, and develop a range of tools to help you think like a philosopher. With these tools, you will explore some timeless topics such as ethics, different views on knowledge, and the nature of reality. You will also explore the philosophical reasoning used in topical debates such as euthanasia.

**Assessment:** External standards are optional. University Entrance is available in this course.

Standard Name	Number of Credits	Internal/ External	U/E W/R
AS90835 Analyse a religious tradition(s) in Aotearoa New Zealand	6	Internal	
AS 91475 Produce a selection of fluent and coherent writing which develops, sustains, and structures ideas.	6	Internal	W
AS 91479 Develop an informed understanding of literature and/or language using critical texts	4	Internal	R
AS 90826 Analyse the response of a religious tradition to a contemporary ethical issue	6	internal	R
AS 90827 Analyse the key beliefs of a religious tradition and a secular world view in relation to ultimate questions	6	internal	R
AS91478 Respond critically to significant connections across texts, supported by evidence.	4	Internal	
AS 91476 Create a fluent and coherent oral text which develops, sustains, and structures ideas	3	Internal	
AS 91472 Respond critically to specified aspect(s) of studied written text(s)	4	External	W & R
AS 91473 Respond critically to specified aspect(s) of studied visual/oral text(s)	4	External	W
<b>Total credits available</b>	<b>Negotiated</b>		

**Course Endorsement:** Offered in this course for ENP335  
**Costs:** Netbook and laptop and headphones. Additional costs may apply for class trips and/or guest speakers.

**ENGLISH for WRITERS - ENW335****Prerequisite:** 14 credits from ENG223, ENW223, PWD223 or ENS223, including 5 reading and 5 writing.**The Course:** If you really enjoy writing and would like the opportunity to develop your skills as an author, this is the course for you. The focus will be on what makes great writing and you will read texts and think about how they could inspire your own work. You will also have the opportunity to workshop your work with published authors. You will sit no more than two external standards. Students are expected to gain between 12 and 20 credits. UE literacy is available in this course.**Assessment:**

	<b>Standard Name</b>	<b>Number of credits</b>	<b>Internal</b>	<b>U/E W/R</b>
AS 91472	Respond critically to specified aspects(s) of studied written text(s), supported by evidence	4	External	W & R
AS 91473	Respond critically to specified aspect(s) of studied visual or oral text(s), supported by evidence	4	External	W
AS 91474	Respond critically to significant aspect(s) of unfamiliar written text(s) through close reading, supported by evidence	4	External	W & R
AS 91475	Produce a selection of fluent and coherent writing which develops, sustains, and structures ideas	6	Internal	W
AS 91476	Create and deliver a fluent oral text which develops, sustains and structures ideas	3	Internal	
AS91477	Create a fluent visual text which develops, sustains and structures ideas using verbal and visual language	3	Internal	
AS91478	Respond critically to significant connections across texts, supported by evidence	4	internal	
AS 91479	Develop an informed understanding of literature and/or language using critical texts	4	Internal	
<b>Total credits available</b>		<b>Negotiated</b>		

**Course Endorsement:** Offered in this course**Next step:** Tertiary course or employment**Costs:** Netbook and laptop and headphones. Additional costs may apply for class trips and/or guest speakers.

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## ENGLISH LANGUAGE – For speakers of English as an additional language

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### ENGLISH LANGUAGE PRE-INTERMEDIATE- ESL222

**Notes:** For speakers of English as an additional language  
**Prerequisite:** Ability to converse in English  
**The Course:** This course will prepare students to meet the NCEA Level 1 Literacy requirements. It will also offer Level 1 and Level 2 EL standards as a staircase towards the Level 1 Literacy requirements.

**Assessment:**

	Standard Name	Number of Credits	Internal/ External	L/N
US 26622	Write to communicate ideas for a purpose and audience	4	Internal	L
US 26624	Read texts with understanding	3	Internal	L
US 26625	Actively participate in spoken interactions	3	Internal	L
US 27996	Write basic texts on very familiar topics	8	Internal	
US 27980	Begin to read and understand very simple texts	10	Internal	
<b>Level 1 Credits</b>		<b>28</b>		
US 27999	Write simple texts on familiar topics	8	Internal	
US 27983	Read and understand simple texts on familiar topics	8	Internal	
US 28022	Demonstrate understanding of simple spoken interaction on familiar topics	5	Internal	
<b>Level 2 Credits</b>		<b>21</b>		

**Course Endorsement:** Not offered in this course

**Next steps:** EL323

### ENGLISH LANGUAGE - ESL323

**Notes:** For speakers of English as an additional language  
**Prerequisite:** Intermediate level of English  
**The Course:** The course concentrates on the development of the academic vocabulary that Non-English-Speaking-Background students need to use in assignments in the secondary school and at tertiary level. It also develops the skills necessary to read and understand academic and technical texts and to write formal essays and assignments. Students may sit an internal exam. Where appropriate we offer Level 2 Literacy Credits necessary for University Entrance.  
**NB:** Students will be offered English Language Unit Standards at level 2 and Level 3, if appropriate.

**Assessment:**

	Standard Name	Number of Credits	Internal/ External	UE W/R
AS 91101	Produce a selection of crafted and controlled writing	6	Internal	W
AS 91105	Use information literary skills to form developed conclusions	4	Internal	W
AS 91106	Form developed personal responses to independently read text(s), supported by evidence	4	Internal	R
US 27080 (L3 EL)	Write a response for a specific purpose	5	Internal	
US 28056	Read and understand texts on familiar topics	5	Internal	
US 28058 (L3 EL)	Read and demonstrate understanding of a range of written texts independently (version 1)	5	Internal	
US 28058 (L3 EL)	Demonstrate understanding of spoken information on familiar topics (version 2)	5	Internal	
US 28068 (L3 EL)	Write texts on familiar topics	5	Internal	
<b>Total credits available</b>		<b>23</b>		

**Course Endorsement:** Not offered in this course

**Next Steps:** ELTS or TOEFL if required

# LANGUAGES *Ngā Reo*

## Head of Faculty – Sharon Henry

Year 9	Year 10	Level 1	Level 2	Level 3
Chinese Japanese Spanish Te Reo Māori	Chinese Japanese Spanish Te Reo Māori Te Reo Māori Immersion	Chinese Japanese Spanish Te Reo Māori Te Reo Māori Immersion	Chinese Japanese Spanish Te Reo Māori Te Reo Māori Immersion	Chinese Japanese Spanish Te Reo Māori Te Reo Māori Immersion

### CHINESE

#### CHINESE – CHI112

**Prerequisite:** Year 10 Chinese including passing at least one spoken assessment and one written assessment

**The Course:** The course will focus on language that will be relevant in order for students to communicate effectively in Chinese. Topics will include daily life, school, friends and holidays.

**Assessment:**

	Standard Name	Number of Credits	Internal/ External
AS 90868	Demonstrate understanding of a variety of spoken Chinese texts on areas of most immediate relevance	5	External
AS 90869	Give a spoken presentation in Chinese that communicates a personal response	4	Internal
AS 90870	Interact using spoken Chinese to communicate personal information, ideas and opinions in different situations	5	Internal
AS 90871	Demonstrate understanding of a variety of Chinese texts on areas of most immediate relevance	5	External
AS 90872	Write a variety of text types in Chinese on areas of most immediate relevance	5	Internal
<b>Total credits available</b>		<b>24</b>	

**Course Endorsement:** Offered in this course

**Next Step:** CHI223

**Costs:** Workbooks \$20. Trips and outings as appropriate

#### CHINESE – CHI223

**Prerequisite:** 14 credits or more from CHI112

**The Course:** Students will further their communication skills through the acquisition of further vocabulary and more complex grammatical structures. Topics are likely to include travel, the media and food.

**Assessment:**

	Standard Name	Number of Credits	Internal/ External
AS 91108	Demonstrate understanding of a variety of spoken Chinese texts on familiar matters	5	External
AS 91109	Interact using spoken Chinese to share information and justify ideas and opinions in different situations	5	Internal
AS 91110	Give a spoken presentation in Chinese that communicates information, ideas and opinions	4	Internal
AS 91111	Demonstrate understanding of a variety of written and/or visual Chinese texts on familiar matters	5	External
AS 91112	Write a variety of text types in Chinese to convey information, ideas and opinions in genuine contexts	5	Internal
<b>Total credits available</b>		<b>24</b>	

**Course Endorsement:** Offered in this course

**Next Step:** CHI335

**Costs:** Workbooks \$20. Trips and outings as appropriate

### CHINESE – CHI335

**Prerequisite:** 14 credits or more from CHI223

**The Course:** Students will further their communication skills through the acquisition of more complex grammatical structures and increase their hanzi and vocabulary knowledge. Topics will include tourism, the future and exploration of cultural differences.

**Assessment:**

	<b>Standard Name</b>	<b>Number of Credits</b>	<b>Internal/ External</b>
AS 91533	Demonstrate understanding of a variety of extended spoken Chinese texts.	5	External
AS 91534	Give a clear spoken presentation in Chinese that communicates a critical response to stimulus material	3	Internal
AS 91535	Interact clearly using spoken Chinese to explore and justify varied ideas and perspectives in different situations	6	Internal
AS 91536	Demonstrate understanding of a variety of extended written and/or visual Chinese texts	5	External
AS 91537	Write a variety of text types in clear Chinese to explore and justify varied ideas and perspectives	5	Internal
<b>Total credits available</b>		<b>24</b>	

**Course Endorsement:** Offered in this course

**Next Step:** University or Polytechnic course

**Costs:** Trips and outings as appropriate

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## JAPANESE

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### JAPANESE – JAP112

**Prerequisite:** Year 10 Japanese including passing at least one spoken assessment and one written assessment

**The Course:** The course will focus on language that will be relevant in order for students to communicate effectively in Japan. Topics will include daily life, food, shopping, holidays and a murder mystery. Students will also start studying Kanji.

**Assessment:**

	<b>Standard Name</b>	<b>Number of Credits</b>	<b>Internal/ External</b>
AS 90893	Demonstrate understanding of a variety of spoken Japanese texts on areas of most immediate relevance	5	External
AS 90894	Give a spoken presentation in Japanese that communicates a personal response	4	Internal
AS 90895	Interact using spoken Japanese to communicate personal information, ideas and opinions in different situations	5	Internal
AS 90896	Demonstrate understanding of a variety of Japanese texts on areas of most immediate relevance	5	External
AS 90897	Write a variety of text types in Japanese on areas of most immediate relevance	5	Internal
<b>Total credits available</b>		<b>24</b>	

**Course Endorsement:** Offered in this course

**Next Step:** JAP223

**Costs:** Workbook \$20. Trips and outings as appropriate



**JAPANESE – JAP223****Prerequisite:** 14 credits or more from Jap112**The Course:** Students will further their communication skills through the acquisition of more complex grammatical structures and increase their kanji and vocabulary knowledge. Topics will include food, Japanese monsters (yokai), school and issues facing teenagers.**Assessment:**

	<b>Standard Name</b>	<b>Number of credits</b>	<b>Internal /External</b>
AS 91133	Demonstrate understanding of a variety of spoken Japanese texts on familiar matters	5	External
AS 91134	Interact using spoken Japanese to share information and justify ideas and opinions in different situations	5	Internal
AS 91135	Give a spoken presentation in Japanese that communicates information, ideas and opinions	4	Internal
AS 91136	Demonstrate understanding of a variety of written and/or visual Japanese texts on familiar matters	5	External
AS 91137	Write a variety of text types in Japanese to convey information, ideas and opinions in genuine contexts	5	Internal
<b>Total credits available</b>		<b>24</b>	

**Course Endorsement:** Offered in this class**Next Step:** JAP335. Opportunity to sit Level N5 Japanese Proficiency Test.**Costs:** Workbook \$20. Trips and outings as appropriate.**JAPANESE – JAP335****Prerequisite:** 14 credits or more from JAP223**The Course:** Students will further their communication skills through the acquisition of more complex grammatical structures and increase their kanji and vocabulary knowledge. Topics will be based on student interest and are likely to include tourism, the environment and Japanese social issues. This course is University Entrance approved**Assessment:**

	<b>Standard Name</b>	<b>Number of Credits</b>	<b>Internal/ External</b>
AS 91553	Demonstrate understanding of a variety of extended spoken Japanese texts	5	External
AS 91554	Give a clear spoken presentation in Japanese that communicates a critical response to stimulus material	3	Internal
AS 91555	Interact clearly using spoken Japanese to explore and justify varied ideas and perspectives in different situations	6	Internal
AS 91556	Demonstrate understanding of a variety of extended written and/or visual Japanese texts	5	External
AS 91557	Write a variety of text types in clear Japanese to explore and justify varied ideas and perspectives	5	Internal
<b>Total credits available</b>		<b>24</b>	

**Course Endorsement:** Offered in this course**Next Step:** University or Polytechnic course**Costs:** Workbook \$20. Trips and outings as appropriate.

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## SPANISH

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### SPANISH – SPA112

**Prerequisite:** Year 10 Spanish including passing at least one spoken assessment and one written assessment or by prior arrangement with the teacher

**The Course:** Students increase their communication skills in written and spoken Spanish. Topics include holidays, sport and leisure, shopping and food, and follow the Listos 2 textbook.

**Assessment:**

	Standard Name	Number of credits	Internal
AS 90908	Demonstrate understanding of a variety of spoken Spanish texts on areas of most immediate relevance	5	External
AS 90909	Give a spoken presentation in Spanish that communicates a personal response	4	Internal
AS 90910	Interact using spoken Spanish to communicate personal information, ideas and opinions in different situations	5	Internal
AS 90911	Demonstrate understanding of a variety of Spanish texts on areas of most immediate relevance	5	External
AS 90912	Write a variety of text types in Spanish on areas of most immediate relevance	5	Internal
	<b>Total credits available</b>	<b>24</b>	

**Course Endorsement:** Offered in this course

**Next Step:** SPA223

**Costs:** Workbooks \$20. Trips and outings as appropriate

### SPANISH – SPA223

**Prerequisite:** 14 credits or more from SPA112 or by prior arrangement with the teacher

**The Course:** Students will further their communication skills through the acquisition of further vocabulary and more complex grammatical structures. Topics will follow the Listos 3 textbook and include school, holidays and weekend activities.

**Assessment:**

	Standard Name	Number of credits	Internal
AS 91148	Demonstrate understanding of a variety of spoken Spanish texts on familiar matters	5	External
AS 91149	Interact using spoken Spanish to share information and justify ideas and opinions in different situations	5	Internal
AS 91150	Give a spoken presentation in Spanish that communicates information, ideas and opinions	4	Internal
AS 91151	Demonstrate understanding of a variety of written and/or visual Spanish texts on familiar matters	5	External
AS 91152	Write a variety of text types in Spanish to convey information, ideas and opinions in genuine contexts	5	Internal
	<b>Total credits available</b>	<b>24</b>	

**Course Endorsement:** Offered in this course

**Next Step:** SPA335

**Costs:** Workbooks \$20. Trips and outings as appropriate.

## SPANISH – SPA335

**Prerequisite:** 14 credits or more from SPA223 or by prior arrangement with the teacher

**The Course:** Students will further their communication skills through the acquisition of more complex grammatical structures and increase their vocabulary knowledge. Topics will include Spanish and Latin American society, colonialism and independence, bullfighting and environmentalism. This course is University Entrance approved.

**Assessment:**

	Standard Name	Number of credits	Internal
AS 91568	Demonstrate understanding of a variety of extended spoken Spanish texts	5	External
AS 91569	Give a clear spoken presentation in Spanish that communicates a critical response to stimulus material	3	Internal
AS 91570	Interact clearly using spoken Spanish to explore and justify varied ideas and perspectives in different situations	6	Internal
AS 91571	Demonstrate understanding of a variety of extended written and/or visual Spanish texts	5	External
AS 91572	Write a variety of text types in clear Spanish to explore and justify varied ideas and perspectives	5	Internal
<b>Total credits available</b>		<b>24</b>	

**Course Endorsement:** Offered in this course

**Next Step:** University or Polytechnic course

**Costs:** Workbooks \$20. Trips and outings as appropriate.

## TE REO MĀORI

### TE REO MĀORI – MAO112

**Prerequisite:** Year 10 Te Reo Maori including passing at least one spoken assessment and one written assessment or by prior arrangement with the teacher

**The Course:** This course further develops the language skills of listening, speaking and reading Te Reo. Students are also assessed on practical application and growth in language and culture. History, traditions and customs are explored within the context of each unit covered. Students will choose 4 of the 5 standards. Students can do all 5 standards with prior approval from the teacher.

**Assessment:**

	Standard Name	Number of Credits	Internal/ External	L/N
AS 91085	Whakarongo kia mōhio ki te reo o tōna ao	6	Internal	L
AS 91086	Kōrero kia whakamahi i te reo o tōna ao	6	Internal	L
AS 91087	Pānui kia mōhio ki te reo o tōna ao	6	External	L
AS 91088	Tuhi i te reo o tōna ao	6	External	L
AS 91089	Waihanga tuhinga i te reo o tōna ao	6	Internal	L
<b>Total credits available</b>		<b>30</b>		

**Course Endorsement:** Offered in this course

**Next Step:** MAO223

**Costs:** \$20 for a workbook

### TE REO MĀORI – MAO223

**Prerequisite:** 18 credits or more from MAO112

**The Course:** This course further develops the language skills of listening, speaking and reading. Students are also assessed on practical application and growth in language and culture. History, traditions and customs are explored within the context of each unit covered. Students will choose 4 of the 5 standards. Students can do all 5 standards with prior approval from the teacher.

**Assessment:**

	Standard Name	Number of credits	Internal/ External	L/N	U/E W/R
AS 91284	Whakarongo kia mōhio ki te reo o te ao torotoro	4	Internal	L	
AS 91285	Kōrero kia whakamahi i te reo o te ao torotoro	6	Internal	L	
AS 91286	Pānui kia mōhio ki te reo o te ao torotoro	6	External	L	R
AS 91287	Tuhi i te reo o te ao torotoro	6	External	L	W
AS 91288	Waihunga tuhinga auaha i te reo o te ao torotoro	6	Internal	L	W
<b>Total credits available</b>		<b>28</b>			

**Course Endorsement:** Offered in this course

**Next Step:** MAO335

**Costs:** \$20 for a workbook

**TE REO MĀORI – MAO335****Prerequisite:** 12 credits or more from MAO223.**The Course:** Students further develop the language skills of listening, speaking, reading and writing. Māori language at this level requires a great deal of commitment and effort. One compulsory noho marae. Students who have completed NCEA Level 3 should enrol in MAI335 (Te Reo Māori Immersion). Students will choose 4 of the 5 standards. Students can do all 5 standards with prior approval from the teacher. This course is University Entrance approved.**Assessment:**

	Standard Name	Number of Credits	Internal/ External	L/N	U/E W/R
AS 91650	Whakarongo kia mōhio ki te reo Māori o te ao whānui	4	Internal	L	
AS 91651	Kōrero kia whakamahi i te reo o te ao whānui	6	Internal	L	
AS 91652	Pānui kia mōhio ki te reo o te ao whānui	6	External	L	R
AS 91653	Tuhi i te reo o te ao whānui	6	External	L	W
AS 91654	Waihanga tuhinga whai take i te reo Māori o te ao whānui	6	Internal	L	W
<b>Total credits available</b>		<b>28</b>			

**Course Endorsement:** Offered in this course**Next Step:** Scholarship, College of Education, Government agencies. Whare Wananga o Aotearoa, Whare Wananga o Raukawa, Whare Wananga o Awanuiarangi, Victoria University**Costs:** \$20 for a workbook**TE REO MĀORI IMMERSION – MAI335****Prerequisite:** Fluent te reo Māori speaker, interview with the Head of the Māori Department

Students could be in Year 10, 11, 12 or 13

**The Course:** This course is designed to extend the level of fluent te reo Māori speakers by studying in an immersion language environment. Topics will be based on student interest. The standards offered will be dependent on ability level and unit context and could include university te reo Māori papers and/or the te reo Māori standards in MAO112, MAO223 and/or MAO335**Assessment:**

	Standard Name	Number of Credits	Internal/ External	L/N	U/E W/R
AS 91803	Te tātari i te kōrero chorere hei whakaputa i te kōrero tene	3	Internal	L	
AS 91804	Te tātari i te ahunga o te reo	3	External	L	W&R
AS 91805	Te whakatairite i ngā putanga pūrākau	4	Internal	L	W&R
AS 91806	Te tūhura i ngā tuhinga raupeka	4	External	L	W&R
AS 91807	Te whakarite i te whaikōrero rangatira	5	Internal	L	
AS 91808	Te whakaoti tuhinga	3	External	L	W&R
AS 91809	Te tito i te upoko pukapuka	6	Internal	L	W
AS 91810	Te tūhura i te reo takitaki	4	Internal	L	W&R
AS 91817	Te whakarite i te rautaki whakawhanake reo	4	Internal	L	
<b>Total credits available</b>		<b>36</b>			

**Course Endorsement:** Offered in this course**Next Step:** University

# MATHEMATICS *Pangarau*

## Head of Faculty – Caroline Lewis

Year 9	Year 10	Level 1	Level 2	Level 3
Mathematics	Mathematics	Maths with Algebra Maths with Statistics Bridging Mathematics Numeracy Arotahi	Maths with Algebra Maths with Statistics	Calculus Statistics Mathematics

**Please Note:** The Mathematics Faculty highly recommends the purchase and use of a graphic calculator, such as the Casio fx-9750G PLUS and is a definite requirement for Achievement Standard Level 2 & 3 courses. A homework book or course workbook is compulsory for most mathematics courses.

**Year 11:** A letter will be sent home in the first half of Term 3 recommending which course you should take.

**Year 12:** University Entrance requires students to have at least 10 numeracy credits at level 1 or above. Mathematics does not need to be taken at level 2 if a student already has UE numeracy. However, for a lot of tertiary courses, it is an advantage to have mathematics standards at Level 2 or 3.

### MATHEMATICS - LEVEL 1

#### MATHEMATICS WITH ALGEBRA – MAA112

**Prerequisite:** Year 10 Mathematics. Entry is determined by maths skills, assignments, resource-based tests and exam results, and should take account of the recommendation of your maths teacher.

**The Course:** This course has a high algebra content and involves objectives at Level 6 of the Mathematics and Statistics curriculum. Two assessments are external exams, the Algebra is a Common Assessment Task\* which is done in school in September WITHOUT a calculator and the other two are internal problem solving activities.

**A laptop or netbook is required for AS91036**

**Assessment:**

Standard Name	Number of Credits	Internal/ External	L/N
AS 91027* Apply algebraic procedures in solving problems	4	CAT - External	N
AS 91028 Investigate relationships between tables, equations and graphs	4	External	N
AS 91031 Apply geometric reasoning in solving problems	4	External	N
AS 91032 Apply right angled triangles in solving measurement problems	3	Internal	N
AS 91036 Investigate bivariate numerical data using the statistical enquiry cycle	3	Internal	L/N
<b>Total credits available</b>	<b>18</b>		

**Course Endorsement:** Offered in this course

**Next step:** MAA223 or MAS223 or both

**Costs:** \$38 for workbooks,  
Graphical calculator (Casio fx-9750GII or equivalent),  
Netbook or laptop or Chromebook

## MATHEMATICS WITH STATISTICS – MAS112

**Prerequisite:** Year 10 Mathematics. Entry is determined by maths skills, assignments, resource-based tests and exam results, and should take account of the recommendation of your maths teacher

**The Course:** This course involves objectives at Level 5 and 6 of the Mathematics and Statistics curriculum. One assessment is an external exam and the rest are internal problem solving activities.

**A laptop or netbook is required for AS 91035 and AS 91036**

Standard Name	Number of Credits	Internal/External	L/N
AS 91029 Apply linear algebra in solving problems	3	Internal	N
AS 91035 Investigate a given multivariate data set using the statistical enquiry cycle	4	Internal	L/N
AS 91036 Investigate bivariate numerical data using the statistical enquiry cycle	3	Internal	L/N
AS 91037 Demonstrate understanding of chance and data	4	External	N
AS 91038 Investigate a situation using elements of chance	3	Internal	L/N
<b>Total credits available</b>	<b>17</b>		

**Course Endorsement:** Offered in this course

**Next step:** MAS223

**Costs:** \$32 for workbooks,  
Scientific calculator  
Netbook or laptop or Chromebook

## NUMERACY – NUM111

**Prerequisite:** Year 10 Mathematics

**The Course:** This course enables students to work on basic skills in number, measurement and statistics in order to achieve Numeracy through 3 unit standards. It is assessed by a portfolio of work.

**Assessment:**

Standard Name	Number of Credits	Internal/External	L/N
US 26623 Use numbers to solve problems	4	Internal	N*
US 26626 Interpret statistical information for a purpose	3	Internal	N*
US 26627 Use measurement to solve problems	3	Internal	N*
<b>Total credits available</b>	<b>10</b>		

\* These standards only contribute to numeracy when **ALL** of them have been achieved

**Course Endorsement:** NOT offered in this course

**Next step:** MAB212

**Costs:** Scientific calculator

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## MATHEMATICS - LEVEL 2

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### MATHEMATICS WITH ALGEBRA – MAA223

**Prerequisite:** 14 credits from Level 1 achievement standards including 91027 (1.2 CAT) at Merit or above

**The Course:** This course is for students with a strong mathematical background, especially in algebra, and is a must for those who wish to do Calculus in year 13.

**Assessment:**

Standard Name	Number of Credits	Internal/External	L/N
AS 91256 Apply coordinate geometry methods in solving problems	2	Internal	N
AS 91258 Apply sequences and series in solving problems	2	Internal	N
AS 91259 Apply trigonometric relationships in solving problems	3	Internal	N
AS 91261 Apply algebraic methods in solving problems	4	External	N
AS 91262 Apply calculus methods in solving problems	5	External	N
AS 91269 Apply systems of equations in solving problems	2	Internal	N
<b>Total credits available</b>	<b>18</b>		

**Course Endorsement:** Yes

**Next step:** MAC335, MAS335, MAT335

**Costs:** \$48 for workbooks, Graphical calculator (Casio fx-9750GII or equivalent),

**MATHEMATICS WITH STATISTICS – MAS223****Prerequisite:** 14 credits from Year 11, Level 1 achievement standards including 91035 (1.10) or 91036 (1.11)**A netbook or laptop is essential for this course****The Course:** This course is for students with an interest in probability and statistics and would be very useful for those who may want to do social sciences, sociology or psychology in the future.**Assessment:**

Standard Name	Number of Credits	Internal/ External	L/N
AS 91258 Apply sequences and series in solving problems	2	Internal	N
AS 91260 Apply network methods in solving problems	2	Internal	N
AS 91264 Use statistical methods to make an inference	4	Internal	L/N
AS 91265 Conduct an experiment to investigate a situation using statistical methods	3	Internal	L/N
AS 91266 Evaluate a statistically based report	2	Internal	L/N
AS 91267 Apply probability methods in solving problems	4	External	L/N
<b>Total credits available</b>	<b>17</b>		

**Course Endorsement:** Yes**Next step:** MAS335 or MAT335**Costs:** \$39 for workbooks, Graphical calculator (Casio fx-9750GII or equivalent), Netbook or laptop or Chromebook**BRIDGING MATHEMATICS – MAB212****Prerequisite:** Numeracy**The Course:** This Level 1 course is for students who have numeracy but have not yet achieved NCEA Level 1 or for those who need Level 1 achievement standard credits as a prerequisite for MAS223 in 2019. It will run for 2 periods a week.**A netbook or laptop is required for this course****Assessment:**

Standard Name	Number of Credits	Internal/ External	L/N
AS 91026 Apply numeric reasoning in solving problems	4	Internal	N
AS 91029 Apply linear algebra in solving problems	3	Internal	N
AS 91036 Investigate a given multivariate data set using the statistical enquiry cycle	4	Internal	L/N
AS 91038 Investigate a situation involving elements of chance	3	Internal	L/N
<b>Total credits available</b>	<b>14</b>		

**Course Endorsement:** No**Next step:** MAS223**Costs:** Scientific calculator, laptop or netbook  
\$28 for workbooks**NUMERACY – NUM211****The Course:** This is for students who enter year 12 without Level 1 numeracy and who would find achievement standards too challenging. The three unit standards are assessed by a portfolio of work. It will run for 2 periods a week. You MUST choose five other subjects as well as this course.**Assessment:**

Standard Name	Number of Credits	Internal/ External	L/N
US 26623 Use numbers to solve problems	4	Internal	N*
US 26626 Interpret statistical information for a purpose	3	Internal	N*
US 26627 Use measurement to solve problems	3	Internal	N*
<b>Total credits available</b>	<b>10</b>		

\* These standards only contribute to numeracy when **ALL** of them have been achieved.**Course Endorsement:** No**Next Step:** MAB212, either in 2019 or with NUM211 in 2018.**Costs:** Scientific calculator

**MATHEMATICS - LEVEL 3** Students should choose ONE of the three courses or if they want to do two maths they should choose MAC335 and MAS335

**MATHEMATICS WITH CALCULUS – MAC335**

**Prerequisite:** 15 credits from MAA223 including 91262(2.7) and merit in 91261 (2.6)  
**The Course:** This course is centred on the further development of calculus and its applications. It should be a first choice for students hoping to do further study in mathematics, physical sciences, engineering (including computing), graphics and fields such as economics where analytical skills are essential. This course is University Entrance approved

**Assessment:**

Standard Name	Number of Credits	Internal/ External	L/N
AS 91575 Apply trigonometric methods in solving problems	4	Internal	N
AS 91577 Apply the algebra of complex numbers in solving problems	5	External	N
AS 91578 Apply differentiation methods in solving problems	6	External	N
AS 91579 Apply integration methods in solving problems	6	External	N
AS 91587 Apply systems of simultaneous equations in solving problems	3	Internal	N
<b>Total credits available</b>	<b>24</b>		

**Course Endorsement:** Yes  
**Next step:** Tertiary study in mathematics or associated courses  
**Costs:** \$36 for workbooks, Graphical calculator (Casio fx-9750GII or equivalent)

**MATHEMATICS WITH STATISTICS – MAS335**

**Prerequisite:** 14 credits from MAA223 or 14 credits from MAS223 including AS 91267 (external)  
**The Course:** This course is centred on the further development of statistics and probability. It should be the first choice for students hoping to do further study in mathematics or statistics, biological and social sciences, commerce and administration and in any field where the collection, analysis and interpretation of qualitative data is important. This course is University Entrance approved  
**Netbook or laptop is essential for this course**

**Assessment:**

Standard Name	Number of Credits	Internal/ External	L/N
AS 91580 Investigate time series data	4	Internal	L/N
AS 91581 Investigate bivariate measurement data	4	Internal	L/N
AS 91582 Use statistical methods to make a formal inference	4	Internal	L/N
AS 91585 Apply probability concepts in solving problems	4	External	N
AS 91586 Apply probability distributions in solving problems	4	External	N
<b>Total credits available</b>	<b>20</b>		

**Course Endorsement:** Yes  
**Next step:** Tertiary study in statistics or associated courses  
**Costs:** \$26 for workbooks, Graphical calculator (Casio fx-9750GII or equivalent)  
 Netbook or laptop is essential for this course (NOT chromebook)

**MATHEMATICS – MAT335**

**Prerequisite:** 14 credits from MAA223 or 14 credits from MAS223 including AS 91267 (external)  
**The Course:** This course is for students who want to carry on with maths with a mixture of algebra, statistics and discrete mathematics. This course is University Entrance approved

**Assessment:**

Standard Name	Number of Credits	Internal/ External	L/N
AS 91574 Apply linear programming methods in solving problems	3	Internal	N
AS 91576 Use critical path analysis in solving problems	2	Internal	N
AS 91583 Conduct an experiment to investigate a situation using experimental design principles	4	Internal	L/N
AS 91584 Evaluate statistically based reports	4	External	L/N
AS 91585 Apply probability concepts in solving problems	4	External	N
AS 91587 Apply systems of simultaneous equations in solving problems	3	Internal	N
<b>Total credits available</b>	<b>20</b>		

**Course Endorsement:** Yes  
**Next step:** Tertiary study in associated courses  
**Costs:** \$32 for workbooks, Graphical calculator  
**Netbook or laptop is essential for this course (NOT Chromebook)**



# PHYSICAL EDUCATION AND HEALTH *Hauora*

## Head of Faculty – Randal Wakefield

Year 9	Year 10	Level 1	Level 2	Level 3
Physical Education	Physical Education Sports Science	Outdoor Education Recreation Sports Science	Outdoor Education Recreation Sports Science	Outdoor Education Recreation Sports Science
Health Education	Health Education	Health Education	Health Education	Health Education

### HEALTH EDUCATION

#### HEALTH EDUCATION – HED112

**Prerequisite:** Satisfactory completion of junior school health and a pass result in the Year 10 Health examination.

**The Course:** Health is a NCEA course based around life, love, loss, and the struggles you have along the way. Students will develop resilience and positive skills to help them become confident, assertive and reassured individuals. All achievement standards link in with literacy credits and are relevant to the lives of young people. It is fun, interactive learning in a whanau based environment.

**Assessment:**

	Standard Name	Number of Credits	Internal/ External
AS 90971	Take action to enhance an aspect of personal well-being.	3	Internal
AS 90973	Demonstrate understanding of interpersonal skills used to enhance relationships.	5	Internal
AS 90974	Demonstrate understanding of strategies for promoting positive sexuality.	4	Internal
AS 90975	Demonstrate understanding of issues to make health-enhancing decisions in drug-related situations.	4	External
AS 91097	Demonstrate ways in which well-being can change and strategies to support well-being	4	Internal
<b>Total credits available</b>		<b>20</b>	

**Course Endorsement:** Offered in this course

**Next step:** HED223

**Costs:** Nil

#### HEALTH EDUCATION – HED223

**Prerequisite:** 14 credits from HED112

**The Course:** This course builds on the knowledge that students have gained from participating in Level 1 Health Education. Students will examine adolescent issues and the possible short and long-term consequence on their well-being. The course looks at the influences in mental health and the strategies to maintain a state of mental health and personal safety. Students will also examine issues surrounding gender identity, sexuality and social justice in relation to gender. Students will also develop, implement and evaluate a plan to enhance hauora/well-being of students in the school or in the community.

**Assessment:**

	Standard Name	Number of Credits	Internal/ External	L/N
AS 91236	Evaluate factors that influence people's ability to manage change	5	Internal	L
AS 91237	Take action to enhance an aspect of people's well-being within the school or wider community	5	Internal	L
AS 91238	Analyse an interpersonal issue(s) that places personal safety at risk	4	External	L
AS 91239	Analyse issues related to sexuality and gender to develop strategies for addressing the issues	5	Internal	L
<b>Total credits available</b>		<b>19</b>		

**Course Endorsement:** Offered in this course

**Next Step:** HED335

## HEALTH EDUCATION – HED335

**Prerequisite:** 14 credits from HED223 or approval from HoF

**The Course:** This course builds on the knowledge that students have gained from participating in Level 2 Health Education. Students will explore a range of attitudes, values and different practices that support and undermine health and well-being. Topics include health practices, New Zealand and International health issues and the debate surrounding organ donation. Students are posed with issues that face youth of today and are given the chance to make recommendations for change.  
This course is University Entrance approved

**Assessment:**

	Standard Name	Number of Credits	Internal/ External	U/E W/R
AS 91461	Analyse a New Zealand health issue	5	Internal	R
AS 91462	Analyse an International health issue	5	External	W & R
AS 91463	Evaluate health practices currently used in New Zealand	5	Internal	R
AS 91464	Analyse a contemporary ethical issue in relation to well-being	4	Internal	R
<b>Total credits available</b>		<b>19</b>		

**Course Endorsement:** Offered in this course

**Next Step:** Tertiary courses in health related fields

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## OUTDOOR EDUCATION

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### OUTDOOR EDUCATION – ODE112

**Prerequisite:** Satisfactory completion of Year 10 Physical Education and a pass result in the PE and Health examination.

**The Course:** Year 11 Outdoor Education is a full year course and includes both theory and practical components. Students will be offered Achievement Standards using both Level 1 and Level 2 NCEA assessments. All assessments in Outdoor Education are internal assessments. The key areas of activity will focus on a range of summer and winter based activities such as kayaking, power kiting, scuba diving, sailing, surfing, stand up paddle boarding, archery, orienteering and tramping. Assessments will be based on both theory and practical aspects of the course, so success depends on students being fully committed to both.

**Assessment:**

	Standard Name	Number of Credits	Internal/ External	L/N
AS 90962	Participate actively in a variety of physical activities and explain factors that influence own participation	5	Internal	
AS 90964	Demonstrate quality movement in the performance of a physical activity	3	Internal	
AS 90966	Demonstrate interpersonal skills in a group and explain how these skills impact on others	4	Internal	
AS 90968	Demonstrate and show understanding of, responsible behaviour for safety during outdoor education activities	3	Internal	
AS 90969	Take purposeful action to assist others to participate in physical activity	2	Internal	
AS 90970	Demonstrate self-management strategies and describe the effects on participation in physical activity	3	Internal	
<b>Total credits available</b>		<b>20</b>		

**Course Endorsement:** Offered in this course

**Next step:** ODE 223

**Costs:** \$150

\$450 ski trip

### OUTDOOR EDUCATION – ODE223

**Prerequisite:** 14 credits in ODE112 or approval from TIC Outdoor Education

**The Course:** This is a practical based course that is 100% internally assessed using both Level 2 and Level 3 assessments. This course provides students with opportunities to develop skills and experience a range of adventure activities such as kayaking, sailing, surfing, power kiting, scuba diving, archery and surf lifesaving. It will also enable students to learn about environmental and sustainability practices, movie making and trip planning. This course includes a summer trip down the Whanganui River and an optional trip to Samoa.

**Assessment:**

Standard Name	Number of Credits	Internal/ External	L/N
AS 91327 Examine the role and significance of physical activity in the lives of young people in New Zealand	3	Internal	
AS 91330 Perform a physical activity in an applied setting	4	Internal	
AS 91333 Analyse the application of risk management strategies to a challenging outdoor activity	3	Internal	L
AS 91334 Consistently demonstrate social responsibility through application of a social responsibility model in physical activity	3	Internal	
AS 91335 Examine the implementation and outcomes of a physical activity event or opportunity	3	Internal	L
AS 91336 Analyse group processes in physical activity	3	Internal	L
<b>Total credits available</b>	<b>19</b>		

**Course Endorsement:** Offered in this course

**Next step:** ODE 223 and Tertiary courses in outdoor education

**Costs:** \$150 course fees. Tramp in Tararuas, \$200 Optional Trip to Samoa approximately \$2200

### OUTDOOR EDUCATION – ODE335

**Prerequisite:** 14 credits at ODE 223

**The Course:** This course aims to develop skills in a wide range of adventure activities as well as trip planning, environmental and sustainability practices, event and safety management. It is a practical and theory based course that is 100% internally assessed. There is a ski trip as part of this course. This course is University Entrance approved

**Assessment:**

Standard Name	Number of Credits	Internal/ External	L/N	U/E W/R
AS 91498 Evaluate physical activity experiences to devise strategies for lifelong well-being	4	Internal	L	
AS 91501 Demonstrate quality performance of a physical activity in an applied setting	4	Internal	N	
AS 91502 Examine a current physical activity event, trend or issue and its impact on New Zealand society	4	Internal	L	
AS 91504 Analyse issues in safety management for outdoor activity to devise safety management strategies	3	Internal	L	
AS 91789 Devise strategies for a physical activity outcome	4	Internal		
<b>Total credits available</b>	<b>19</b>			

**Course Endorsement:** Offered in this course

**Next step:** Tertiary courses in Outdoor Education/Physical Education

**Costs:** \$150 course fee and \$450 ski trip

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## RECREATION

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### RECREATION – REC112

**Prerequisite:** None

**The Course:** This course is aimed at students who enjoy the practical side of Physical Education. Students will learn how to reflect on their personal involvement in sport and leisure activities and identify factors that influence their enjoyment. They will be assessed in a team and individual sport context and run a Sports Education model with a focus on interpersonal skills. An enjoyment of physical activity is necessary for those wishing to take this course, along with a willingness to try new activities. It includes both practical and theory components and students will focus on one achievement standard per term.

**Assessment:**

	Standard Name	Number of Credits	Internal/ External
AS 90962	Participate actively in a variety of physical activities and explain factors that influence own participation	5	Internal
AS 90964	Demonstrate quality movement in the performance of a physical activity	3	Internal
AS 90966	Demonstrate interpersonal skills and use on-going reflection to explain the effects on the functioning of a group	4	Internal
AS 90967	Demonstrate strategies to improve the performance of a physical activity and describe the outcomes.	3	Internal
<b>Total credits available</b>		<b>15</b>	

**Course Endorsement:** Offered in this course

**Next step:** REC223

**Costs:** \$50

### RECREATION – REC223

**Prerequisite:** None

**The Course:** This course is a practically based option that is an alternative to the more academic Outdoor Education and Sports Science courses. An interest and commitment to playing sports and developing skills is essential. Students will develop advanced physical skills in a number of different contexts, including team, individual and outdoor pursuit activities. Students will complete a 3 day camp at the high ropes course in Wainuiamata and will also compete in the Tough Guy and Gal challenge. This course will run both achievement standards and unit standards.

**Assessment:**

	Standard Name	Number of Credits	Internal/ External
AS 91330	Perform a physical activity in an applied setting	4	Internal
AS 91333	Consistently demonstrate social responsibility through applying a social responsibility model in physical activity.	3	Internal
US 467 Version 5	Demonstrate personal and social development through participation in adventure based learning	3	Internal
US470 Version 5	Demonstrate personal and social development through participation in low rope course activities.	3	Internal
US473 Version 6	Demonstrate personal and social development through participation in high rope course activities.	3	Internal
<b>Total credits available</b>		<b>16</b>	

**Course Endorsement:** Not offered in this course

**Next step:** REC334

**Costs:** \$50 plus \$200 Camp

**RECREATION – REC334****Prerequisite:** None**The Course:** This course is a practically based option that will run both achievement standards and unit standards. An interest and commitment to playing sports and being active is essential. Students will develop advanced physical skills in a number of different contexts, including team sports, adventure based learning and mountain biking. Students will learn how to plan coaching sessions and investigate sports injuries, completing a first aid accredited course.**Assessment:**

	<b>Standard Name</b>	<b>Number of Credits</b>	<b>Internal/ External</b>
AS 91501	Demonstrate quality performance of a physical activity in an applied setting.	4	Internal
US 22771	Plan a beginner level coaching session for sport participation	4	Internal
US 20817	Mountain biking, Makara peak, Aro Valley & Mt Vic	3	Internal
US 24663	Demonstrate leadership while participating in an adventure based learning programme	3	Internal
US 6400 L3	Manage first aid in emergency situations	2	Internal
<b>Total credits available</b>		<b>16</b>	

**Course Endorsement:** Not offered in this course**Next step:** Tertiary courses in Outdoor Education / Physical Education**Costs:** \$50 course

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**SPORTS SCIENCE**

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**SPORTS SCIENCE – SPS112****Prerequisite:** Satisfactory completion of Year 10 Physical Education and a pass result in the PE & Health examination.**The Course:** This course is designed to further extend your knowledge and understanding of physical education concepts, with a strong focus on biophysical principles and how they relate to human performance. Students will be involved in developing performance improvement programs, studying functional anatomy in practical sporting contexts and demonstrating interpersonal skills in a sports education environment. This course is suited to those students who would like to improve their performance on the sports field and those who would like to pursue the academic side of Physical Education.**Assessment:**

	<b>Standard Name</b>	<b>Number of Credits</b>	<b>Internal/ External</b>
AS 90963	Demonstrate an understanding of the function of the body as it relates to the performance of physical activity	5	Internal
AS 90964	Demonstrate quality movement in the performance of a physical activity	3	Internal
AS 90965	Demonstrate understanding of societal influences on physical activity and the implications for self and others	4	Internal
AS 90967	Demonstrate strategies to improve the performance of physical activity and describe the outcome	3	Internal
<b>Total credits available</b>		<b>15</b>	

**Course Endorsement:** Offered in this course**Next step:** SPS 223**Costs:** \$50

### SPORTS SCIENCE – SPS223

**Prerequisite:** Passed AS 90963

**The Course:** This course is suited to those students who would like to improve their performance on the sports field, those who would like to pursue scholarship PE in Year 13. Students will take a detailed look at biophysical principles using video analysis and learn how these apply to their own performance improvement. It includes learning a range of physical activities, fitness and training programmes and a look at the significance for self and society of a sporting event.

**Assessment:**

	Standard Name	Number of Credits	Internal/ External
AS 91328	Demonstrate understanding of how and why biophysical principles relate to the learning of physical skills	5	Internal
AS 91329	Demonstrate understanding of the application of biophysical principles to training for physical activity	4	Internal
AS 91330	Perform a physical activity in an applied setting	4	Internal
AS 91331	Examine the significance for self, others and society of a sporting event, a physical activity, or a festival	4	Internal
<b>Total credits available</b>		<b>17</b>	

**Course Endorsement:** Offered in this course

**Next step:** SPS 335

**Costs:** \$50

### SPORTS SCIENCE – SPS335

**Prerequisite:** 14 credits from level 2 SPS or ODE

**The Course:** This practical course has a high theoretical component. Students will be required to plan, implement and evaluate a skill improvement program, incorporating biophysical principles, skill learning theories and sports psychology. You will challenge assumptions around performance improvement theories and use video analysis programs to develop your performance. This course will examine the role money plays in New Zealand sport and our society. This course leads to tertiary study and is all internally assessed achievement standards. This course is University Entrance approved

**Assessment:**

	Standard Name	Number of Credits	Internal/ External	L/N
AS 91499	Analyse a physical skill performed by self or others	3	Internal	L
AS 91500	Evaluate the effectiveness of a performance programme	4	Internal	L & N
AS 91501	Demonstrate quality performance of a physical activity in an applied setting	4	Internal	N
AS 91502	Examine a current physical activity, event, trend or issue and its impact on New Zealand society	4	Internal	L
<b>Total credits available</b>		<b>15</b>		

**Course Endorsement:** Offered in this course

**Next step:** Tertiary courses – BPhEd, BSc, Diploma in Sport, Exercise Science, Recreation employment – Gymnasium, Leisure and Outdoor Industry

**Costs:** \$50

## SCIENCE *Putaiāo*

### Head of Faculty – Joan Hinton

Year 9	Year 10	Level 1	Level 2	Level 3
Science	Science	Science Arotahi Science	Agriculture / Horticulture Biology Chemistry Earth and Space Science Physics	Agriculture / Horticulture Biology Chemistry  Physics

Most students should take Year 11 Science as it is an important stepping stone towards many pathways in the senior school and beyond. If you are unsure, please discuss options with your Dean.

**SPECIAL NOTE:** Any student considering taking university courses in science related subjects should plan to take **CHEMISTRY** and either **BIOLOGY** or **PHYSICS** to **Level 3**

### LEVEL 1 SCIENCE

#### SCIENCE – SC1112

**Prerequisite:** Year 10 Science. Entry is determined by science skills, assignments, resource based tests and exam results through Year 10.

**The Course:** This is the fundamental course for Level 1 students aiming to continue study in Level 2 and 3 Science subjects. It also provides a basic level of 'scientific literacy' essential for life in 21<sup>st</sup> Century, and although not compulsory, should be considered by all students. This course involves two internal standards and three external standards.

**Assessment:** *Two internal standards will be chosen from the following list*

	Standard Name	Number of Credits	Internal/ External	L/N
AS 90935	Carry out a practical physics investigation that leads to a linear mathematical relationship	4	Internal	N
AS 90943	Investigate implications of heat for everyday life	4	Internal	N
AS 90947	Investigate selected chemical reactions	4	Internal	
AS 90950	Investigate biological ideas relating to interactions between humans and micro-organisms	4	Internal	
AS 90955	Demonstrate understanding of carbon cycling	4	Internal	L
<b>Three external standards</b>				
AS 90940	Demonstrate understanding of aspects of mechanics	4	External	N
AS 90944	Demonstrate understanding of aspects of acids and bases	4	External	
AS 90948	Demonstrate understanding of biological ideas relating to genetic variation	4	External	L
<b>Total credits available</b>		<b>32</b>		

**Course Endorsement:** Offered in this course if studied for both semesters

**Next step:** CHE 223, BIO 223, PHY 223, AGH 223

**Costs:** \$22 for SCIPAD

## AGRICULTURE & HORTICULTURE

### AGRICULTURE & HORTICULTURE – AGH223

- Prerequisite:**
- 12 credits from SCI112 (for those intending on moving onto AGH334)
  - Level 1 literacy and numeracy (for all students taking this course)
  - 8 credits from SCI112 or Horticulture Level 1, for students intending to move onto an apprenticeship or polytechnic course at the end of Year 12/early Year13. It is expected that these students would participate in Gateway or attend Weltec during Year 12.

**The Course:** This course enables students to develop a working knowledge and practical skills in plant propagation and plant management. It is for all students interested in any aspect of one or more industries related to the various primary industry sectors.

**Assessment:**

Standard Name	Number of credits	Internal / External	L/N
AS91289 Carry out and extended agricultural or horticultural investigation	4	Internal	L/N
AS91291 Demonstrate understanding of advanced plant propagation techniques used for commercial production in New Zealand	4	Internal	L
AS91292 Demonstrate understanding of how management practices influence plant growth and development in New Zealand commercial production	4	Internal	L
*AS91290 Demonstrate understanding of techniques used to modify physical factors of the environment for New Zealand plant production	4	External	L
<b>Total credits available</b>	<b>16</b>		

\*For students wanting to move onto AGH335 only

Individual students with a particular primary industry area of interest such as equine, can be registered and supported to study for one off unit standards through distance learning from a polytechnic such as Telford or Taratahi. Note: availability of suitable standards differs each year.

- Course Endorsement:** Offered in this course  
**Next step:** AGH334 or Polytechnic courses in primary industries  
**Costs:** \$50 for field trip

### AGRICULTURE AND HORTICULTURE – AGH334

**Prerequisite:** Minimum of 12 Level 2 credits from any combination of Biology (or another Science), Agriculture/Horticulture, or Economics, Level 2 Literacy and Numeracy

**The Course:** This course focuses on New Zealand's primary production with an emphasis on the meeting market requirements of New Zealand primary products that are exported. Field trips to meet learning needs will be undertaken. Note: Complementary subjects for AGH334 includes Mathematics, Biology, Business Studies/Economics. This course is University Entrance approved.

**Assessment:**

Standard Name	Number of credits	Internal / External	L/N	U/E W/R
AS91528 Carry out an investigation into an aspect of a New Zealand primary product or its production	4	Internal	N	
AS91529 Research and report on the impact of factors on the profitability of a New Zealand primary product	6	Internal	L	R
AS91531 Demonstrate understanding of how the production process meets the market requirements for a New Zealand primary product(s)	4	External	L	W & R
AS91532 Analyse a New Zealand primary production environmental issue	5	External	L	W & R
<b>Total credits available</b>	<b>19</b>			
US22177 Demonstrate knowledge of the structure and function of plants (optional from an outside provider)	5	Internal		

- Course Endorsement:** Offered in this course  
**Next step:** Tertiary courses in Agriculture, Horticulture, Forestry, Environmental Science, Soil Science and Agricultural or Horticultural commerce  
**Costs:** Up to \$100 for field trips



## BIOLOGY

### BIOLOGY – BIO223

**Prerequisite:** 12 credits from SCI112. At least 4 of these credits must be gained from an external standard.  
**The Course:** Biology at this level aims to develop skills in planning, carrying out and interpreting experiments. There is a strong focus on encouraging communication of biological ideas. The Achievement Standard names serve as a summary for the coursework that will be covered.

**Assessment:**

Standard Name	Number of credits	Internal / External	L/N	
AS 91153	Carry out a practical investigation in a biology context, with supervision	4	Internal	N
AS 91156	Demonstrate understanding of life processes at the cellular level	4	External	L
AS 91157	Demonstrate understanding of genetic variation and change	4	External	L
AS 91158	Investigate a pattern in an ecological community, with supervision	4	Internal	L
AS 91159	Demonstrate understanding of gene expression	4	External	L
<b>Total credits available</b>		<b>20</b>		

**Course Endorsement:** Offered in this course  
**Next step:** BIO335, AGH335  
**Costs:** \$25 for workbooks and about \$10.00 for trips during the year.

### BIOLOGY – BIO335

**Prerequisite:** At least 12 credits from a Level 2 Science course  
**The Course:** Biology at this level aims to develop skills in discussing and communicating biological concepts and processes and analysing the implications of socio-cultural issues and biology in a human context. The ability to communicate ideas, comprehensively in written form is required. The following table is a summary of the course work to be covered. This course is University Entrance approved.

**Assessment:**

Standard Name	Number of credits	Internal / External	L/N	U/E W/R	
AS 91602	Integrate biological knowledge to develop an informed response to a socio-scientific issue (ie immunisation)	3	Internal	L	W & R
AS 91603	Demonstrate understanding of the responses of plants and animals to their external environment	5	External	L	W & R
AS 91604	Demonstrate understanding of how an animal maintains a stable internal environment	3	Internal	L	R
AS 91605	Demonstrate understanding of evolutionary processes leading to speciation	4	External	L	W & R
AS 91607	Demonstrate understanding of human manipulations of genetic transfer and its biological implications	3	Internal	L	W & R
<b>Total credits available</b>		<b>18</b>			

**Course Endorsement:** Offered in this course and UE approved  
**Next step:** Tertiary courses in Biological, Medical, Veterinary, Genetics and Ecology  
**Costs:** All Year 13 Biology Students are required to purchase an NCEA Level 3 Biology Workbook. There will be an additional charge of \$10 for biology trips.

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## CHEMISTRY

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Chemistry is a recommended prerequisite for almost all science related tertiary courses.

### CHEMISTRY – CHE223

**Prerequisite:** 12 credits from SCI112 including AS 90944

**The Course:** This course focuses on developing scientific attitudes and skills, and understanding chemicals involved in our lives. It involves a high proportion of learning through investigation. The Achievement Standard names serve as a summary for the coursework that will be covered.

**Assessment:**

Standard Name	Number of credits	Internal / External	L/N	
AS91161	Carry out quantitative analysis	4	Internal	N
AS91162	Carry out procedures to identify ions present in solution	3	Internal	
AS91164	Demonstrate understanding of bonding, structure, properties and energy changes	5	External	L
AS91165	Demonstrate understanding of the properties of selected organic compounds	4	External	L
AS91166	Demonstrate understanding of chemical reactivity	4	External	L
AS91167	Demonstrate understanding of oxidation-reduction	3	Internal	
<b>Total credits available</b>		<b>23</b>		

**Course Endorsement:** Offered in this course

**Next step:** CHE335

**Costs:** \$22 for a workbook

### CHEMISTRY – CHE335

**Prerequisite:** 14 credits from CHE223.

**The Course:** This course provides an opportunity to study the impact of chemistry on the everyday world, especially as related to New Zealand. It builds on the content and fascination of Level 2 Chemistry and develops through investigating matter in both living and non-living systems. It further develops the skills of research, problem solving, questioning, calculating and accurate analysis. The following table is a summary of the coursework to be covered. This course is University Entrance approved.

**Assessment:**

Standard Name	Number of credits	Internal/ External	L/N	
AS 91388	Demonstrate understanding of spectroscopic data in chemistry	3	Internal	
AS 91390	Demonstrate understanding of thermochemical principles and the properties of particles and substances	5	External	L
AS 91391	Demonstrate understanding of the properties of organic compounds	5	External	L
AS 91392	Demonstrate understanding of equilibrium principles in aqueous systems	5	External	L/N
AS 91393	Demonstrate understanding of oxidation-reduction processes	3	Internal	L
<b>Total credits available</b>		<b>21</b>		

**Course Endorsement:** Offered in this course

**Next step:** Tertiary courses in science. Chemistry is a recommended prerequisite for almost all tertiary science related courses of study and it is necessary if students are intending on taking a course in the medical or health sector.

**Costs:** \$22 for a workbook

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## EARTH AND SPACE SCIENCE

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### EARTH AND SPACE SCIENCE – ESS223

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**Prerequisite:** 4 credits from SCI112 and an interest in Science

**The Course:** Earth and space science involves all the sciences to study planetary processes (on Earth and other planets) and to study everything in the Universe. You will learn about star formation and consider the chances of us finding life beyond our planet. There are lots of mini field trips and you will learn how the Earth changes over time, shaping our country. If you like science and you are interested in the environment, space travel, astronomy or if you just want a science course that offers plenty of internal assessment and course work, this is for you. In addition to complementing the mainstream sciences, the course also complements Geography and Agriculture and Horticulture. This course can lead to an NCEA level 3 Earth and Space Science(ESS) course. ESS is an approved subject by NZQA providing credits for University Entrance and with the opportunity for Scholarship.

**Assessment:** Students will study for 20 credits involving 1-3 externals, choosing from:

	<b>Standard Name</b>	<b>Number of credits</b>	<b>Internal/ External</b>	<b>L/N</b>
AS91187	Carry out a practical Earth and Space Science investigation	4	Internal	L/N
AS91188	Examine an Earth and Space Science issue and the validity of the information communicated to the public	4	Internal	L
AS91189	Investigate geological processes in a New Zealand locality	4	Internal	L
AS91190	Investigate how organisms survive in an extreme environment	4	Internal	L
AS91191	Demonstrate understanding of the causes of extreme Earth events in New Zealand	4	External	L
AS91192	Demonstrate understanding of stars and planetary systems	4	External	L
AS91193	Demonstrate understanding of physical principles related to the Earth System	4	External	L
	<b>Total credits available</b>	<b>28</b>		

**Course endorsement:** Offered in this course

**Next step:** ESS335

**Costs:** \$30 for a course workbook plus costs for local travel to field trip sites (\$50 maximum).

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## PHYSICS

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### PHYSICS – PHY223

**Prerequisite:** 12 credits from SCI112 including AS 90940(mechanics) or AS 90943(heat). Mathematics AS 91027 (Algebra) and Mathematics AS 91032 (right angled triangles) recommended.

**The Course:** The course will study physics, taking in both conceptual and mathematical approaches. To be successful, students will also be studying Level 2 Mathematics with Algebra (MAA223). The Assessment Standard names serve as a summary of the work that will be covered.

**Assessment:**

	Standard Name	Number of credits	Internal/ External	L/N
AS 91168	Carry out a practical physics investigation that leads to a non-linear mathematical relationship	4	Internal	L/N
AS 91169*	Demonstrate understanding of physics relevant to a selected context	3	Internal	L
AS 91170	Demonstrate understanding of waves	4	External	L/N
AS 91171	Demonstrate understanding of mechanics	6	External	L/N
AS 91172	Demonstrate understanding of atomic and nuclear physics	3	Internal	L
AS 91173	Demonstrate understanding of electricity and electromagnetism	6	External	L/N
<b>Total credits available</b>		<b>26</b>		

\* This **may** be offered if time allows

**Course Endorsement:** Offered in this course

**Next Step:** PHY335; Trade or Technician courses; New Zealand Certificate Courses

**Costs:** \$35 for a course manual. Students will need to bring laptop computers to class.

### PHYSICS – PHY335

**Prerequisite:** 14 credits from PHY223.

**The Course:** The course will study physics, taking in both conceptual and mathematical approaches. To be successful the student should also be studying Level 3 Mathematics with Calculus. The Achievement Standard names serve as a summary of the work that will be covered. This course is University Entrance approved

**Assessment:**

	Standard Name	Number of credits	Internal/ External	L/N
AS 91521	Carry out a practical investigation to test a physics theory relating two variables in a non linear relationship	4	Internal	L
AS 91522*	Demonstrate understanding of the application of physics to a selected context	3	Internal	L
AS 91523	Demonstrate understanding of wave systems	4	External	L
AS 91524	Demonstrate understanding of mechanical systems	6	External	L
AS 91525	Demonstrate understand of Modern Physics	3	Internal	L
AS 91526	Demonstrate understanding of electrical systems	6	External	L
<b>Total credits available</b>		<b>26</b>		

\* This **may** be offered if time allows

**Course Endorsement:** Offered in this course

**Next step:** University or Polytechnic courses in physics, engineering, architecture or medicine

**Costs:** \$35 for a course manual. Students will need to bring laptop computers to class.

# SOCIAL SCIENCES *Tikanga-a-iwi*

Head of Faculty – Henry Hollis

Year 9	Year 10	Level 1	Level 2	Level 3
Financial Capability	Business Studies	Asian Studies Business Studies	Business Studies	Economics
Classical Studies	Classical Studies	Classical Studies Geography History	Classical Studies Geography History	Classical Studies Geography History
	Media Studies	Media Studies	Journalism Moving Image Culture	Journalism Moving Image Culture
Social Studies	Social Studies		Criminal Psychology	Crime and Society Legal Studies

## ASIAN STUDIES

### ASIAN STUDIES – ANS112

**Prerequisite:** None

**The Course:** This course is a mix of history, geography and social studies standards with an Asian focus. Topics will include Responding to Earthquake Risk in China, the 2020 Tokyo Olympics – Infrastructure vs Environment, Human Rights in North Korea, the Atomic Bombing of Hiroshima and a topic based on student interest.

**Assessment:**

	Standard Name	Number of Credits	Internal/External	L/N
AS 91001	Carry out an investigation of an historical event, or place, of significance to New Zealanders	4	Internal	L
AS 91002	Demonstrate understanding of an historical event, or place, of significance to New Zealanders	4	Internal	L
AS 91007	Demonstrate geographic understanding of environments that have been shaped by extreme natural event(s)	4	External	L
AS 91014	Apply spatial analysis, with direction, to solve a geographic problem	3	Internal	
AS 91043	Describe a social justice and human rights action	4	Internal	L
<b>Total credits available</b>		<b>19</b>		

**Course Endorsement:** Offered in this course

**Next Step:** GEO223, HIS223

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## BUSINESS & ECONOMICS

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### BUSINESS STUDIES – BUS112

**Prerequisite:** None

**The Course:** This is an introductory Business Studies course and provides an opportunity for students to undertake study in two subject areas, Economics and Business Studies.

- Economics examines the choices people make about the use of limited resources to satisfy unlimited wants. Economics helps to explain and predict how goods and services will be produced and consumed. It will tell you who gets what, how, and why.
- Business Studies examines how individuals and groups of people organise, plan, and act to create and develop goods and services to satisfy customers.

**Assessment:**

	Standard Name	Number of Credits	Internal/External	L/N
AS 90837	Demonstrate an understanding of internal features of a small business	4	External	L
AS 90840	Apply the marketing mix to a new or existing product	3	Internal	L
AS 90842	Carry out and review a product-based business activity within a classroom context with direction	6	Internal	L
AS 90986	Demonstrate understanding of how consumer, producer and/or government choices about scarcity, using market equilibrium	5	External	L
<b>Total credits available</b>		<b>18</b>		

**Course endorsement:** Offered in this course

**Next step:** BUS223

**Costs:** Approximately \$20 (Cost of contributing capital to student's own business)

### BUSINESS STUDIES – BUS223

**Prerequisite:** 10 Literacy and 10 Level 1 Numeracy credits

**The Course:** This is a Business Studies course and provides an opportunity for students to undertake further study in two subject areas: Economics and Business Studies.

- Economics has an important part to play in the education of all students, particularly in our rapidly changing society. In recent years, wider media coverage of economic issues has heightened community awareness of the fundamental interdependence between the New Zealand economy and the rest of the world. Understanding of advanced economic concepts and the way in which the New Zealand economy operates is important for young people if they are to function in and contribute to our society.
- Business Studies examines how individuals and groups of people organise, plan, and act to create and develop goods and services to satisfy customers.

**Assessment:**

	Standard Name	Number of Credits	Internal/External	L/N	UE W/R
AS 91222	Analyse inflation using economic concepts and models	4	External	L	W
AS 91223	Analyse international trade using economic concepts and models	4	External	L	W
AS 91384	Carry out, with consultation, an innovative and sustainable business activity	9	Internal	L	
AS 90843	Demonstrate understanding of the internal operations of a large business	4	External	L	
<b>Total credits available</b>		<b>21</b>			

**Course endorsement:** Offered in this course

**Next step:** ECO335

**Costs:** On-line resource fee \$20, YES competition fee \$35, \$20 cost of contributing capital to the student's own business

## ECONOMICS – ECO335

**Prerequisite:** 12 credits from BUS223 or ENG223 and 10 Level 1 Numeracy credits  
**The Course:** Economics has an important part to play in the education of all students, particularly in our rapidly changing society. In recent years, wider media coverage of economic issues has heightened community awareness of the fundamental interdependence between the New Zealand economy and the rest of the world. Understanding of advanced economic concepts and the way in which the New Zealand economy operates is important for young people if they are to function in and contribute to our society. This course is University Entrance approved.

### Assessment:

Standard Name	Number of credits	Internal / External	L/N	U/E W/R
AS 91399 Demonstrate understanding of the efficiency of market equilibrium	4	External	L	W/R
AS 91401 Demonstrate understanding of micro-economic concepts	5	Internal	L	R
AS 91402 Demonstrate understanding of government interventions to correct market failures	5	Internal	L	R
AS 91403 Demonstrate understanding of macro-economic influences on the New Zealand economy	6	External	L	W/R
<b>Total credits available</b>	<b>20</b>			

**Course Endorsement:** Offered in this course  
**Next step:** Tertiary Study  
**Costs:** Online resource fee \$20

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## CLASSICAL STUDIES

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### CLASSICAL STUDIES with ENGLISH – CLE112

**Prerequisite:** Competent level of literacy required, along with an interest in the classical world  
**The Course:** This course explores the qualities that define both mythological and political heroes in art and literature. We will study Homer's *Odyssey*, representations of heroes in Greek vases, the career of Julius Caesar and compare these to modern society through studying modern film. Internal assessment tasks in this course will combine both Level 1 Classical Studies and English standards. **Students choosing this course do not need to take another English course, but can do so if they wish. Please discuss these options with Miss Harvey.**

### Assessment:

Standard Name	Number of Credits	Internal/ External	L/N
AS 91021 Demonstrate understanding of ideas and values of the classical world. (Homer's <i>Odyssey</i> )	4	External	L
AS 91022 Demonstrate understanding of the significance of features of work(s) of art in the classical world. (Heroes in Greek vase painting)	4	External	L
AS 91024 Demonstrate understanding of social relationships in the classical world. (Roman Social Relationships)	6	Internal	L
AS 91025 Demonstrate understanding of links between aspects of the classical world and other cultures. (Heroic myth in modern film)	6	Internal	L
<b>Total Classics credits available</b>	<b>20</b>		
AS 90053 Produce formal writing	3	Internal	L
AS 90849 Show understanding of specified aspect(s) of studied written text(s), using supportive evidence	4	External	L
AS 90852 Explain significant connection(s) across texts, using supportive evidence (optional)	4	Internal	L
<b>Total English credits available</b>	<b>11</b>		

**Course Endorsement:** Offered in this course  
**Next Step:** Level 2 Classical Studies  
Level 2 English

**CLASSICAL STUDIES with ENGLISH – CLE223**

**Prerequisite:** Minimum of 14 Level 1 credits in either Classical Studies or English. Proven competency in reading, writing and research skills at NCEA Level 1 along with an interest in the classical world.

**The Course:** In this course, students will explore what it meant to be part of a city community in ancient Greece and Rome, and how that compares to modern life. Students will explore concepts such as humour and satire, citizenship and justice, techniques and style of art and architecture, and archaeology.

**Students choosing this course do not need to take another English course, but can do so if they wish. Literacy for university entrance can be gained in this course, please discuss these options with Miss Harvey.**

**Assessment:**

	Standard Name	Number of credits	Internal /External	L/N	U/E W/R
AS 91200	Examine ideas and values of the classical world. (Greek comedy – Aristophanes)	4	External	L	W & R
AS 91201	Examine the significance of features of work(s) of art in the classical world. (Art and architecture of Pompeii)	4	External	L	W & R
AS 91202	Demonstrate an understanding of an event in the classical world.	4	Internal	L	R
AS 91204	Demonstrate understanding of the relationship between aspects of the classical world and aspects of other cultures. Comparing concepts of ancient Greek comedy with those of modern sitcoms	6	Internal	L	R
<b>Total Classical Studies credits available</b>		<b>18</b>			
AS 91098	Analyse specified aspect(s) of studied written text(s), supported by evidence (Optional)	4	External	L	W & R
AS 91101	Produce a selection of crafted and controlled writing. (Optional)	6	Internal	L	W
<b>Total English credits available</b>		<b>10</b>			

**Course Endorsement:** Offered in this course

**Next step:** Level 3 Classical Studies, Level 3 English

**CLASSICAL STUDIES – CLS335**

**Prerequisite:** Minimum of 14 Level 2 credits in either Classical Studies or English. Proven competency in reading, writing and research skills at NCEA Level 2 along with an interest in the classical world.

**The Course:** In this course, students will explore the social, artistic and ideological aspects of the classical world. Particular focus will be on philosophy, mythology, concepts and beliefs of religion and political propaganda. How did these ideas influence the lives of Greeks and Romans? How and why have these ideas and values influenced later societies? This course is University Entrance approved.

**Assessment:**

	Standard Name	Number of credits	Internal /External	L/N	U/E W/R
AS 91394	Analyse ideas and values of the classical world. (Virgil's <i>Aeneid</i> )	4	External	L	W & R
AS 91395	Analyse the significance of a work(s) of art in the classical world.	4	External	L	W & R
AS 91397	Demonstrate understanding of significant ideology(ies) in the classical world.	6	Internal	L	R
AS 91398	Demonstrate understanding of the lasting influences of the classical world on other cultures across time. (Lasting influences of classical representations of concepts such as death and the afterlife, beauty and propaganda on later art and literature).	6	Internal	L	R
<b>Total credits available</b>		<b>20</b>			

**Course Endorsement:** Offered in this course

**Next step:** Tertiary study



## GEOGRAPHY

### GEOGRAPHY – GEO112

**Prerequisite:** An interest in events happening around the world  
**The Course:** Geography can be explained as: What's where? Why there? And who cares? This course gives students an introduction to thinking geographically about the world around them. Many of these topics will also get students out into the community, learning through real world experiences.

**Assessment:**

	Standard Name	Number of Credits	Internal/External	L/N
AS 91009	Demonstrate geographic understanding of sustainable use of an environment. Ecotourism in the Galapagos Islands	3	Internal	L
AS 91010	Apply concepts and basic geographic skills to demonstrate understanding of a given environment	4	External	N
AS 91011	Conduct geographic research with direction. Community based eg earthquake preparedness in Wellington	4	Internal	L/N
AS 91013	Describe aspects of a geographic topic at a global scale. A contemporary context will be chose based on current events eg HIV/AIDS or Piracy	3	Internal	L
AS 91007	Demonstrate geographic understanding of environments that have been shaped by extreme natural event(s) (with a focus on the Haiti and Christchurch earthquakes).	4	External	L
<b>Total credits available</b>		<b>18</b>		

**Course Endorsement:** Offered in this course

**Next step:** GEO223

**Costs:** Course skills book \$23

### GEOGRAPHY – GEO223

**Prerequisite:** 13 credits from GEO112 or another Social Science, or 14 in English or Science

**The Course:** A study of topics that include:

- Human Trafficking
- Volcanism in the Central North Island (Tongariro Volcanic Zone)
- Research: patterns of vegetation in the Tongariro National Park
- Geographic skills
- Child poverty in NZ

**Assessment:** will be a selection from the following

	Standard Name	Number of Credits	Internal/External	L/N	U/E W/R
AS 91240	Demonstrate geographic understanding of a large natural environment – Tongariro Volcanic Zone	4	External	L	W & R
AS 91243	Apply geography concepts and skills to demonstrate understanding of a given environment.	4	External	L	
AS 91244	Conduct geographic research with guidance: Vegetation in the Tongariro Volcanic Zone	5	Internal	L/N	
AS 91245	Explain aspects of a contemporary NZ Geographic issue (Child poverty in NZ)	3	Internal	L	
AS 91246	Explain aspects of a geographic topic at a global scale. Human trafficking	3	Internal	L	
<b>Total credits available</b>		<b>19</b>			

**Note:** attendance of at least 85% is required to attend field trips.

**Course Endorsement:** Offered in this course

**Next step:** GEO335

**Costs:** Field trips \$350.00 – Tongariro/Ruapehu  
Course Skills book \$27

### GEOGRAPHY – GEO335

**Prerequisite:** 14 credits from a Level 2 Social Science or 14 credits from ENG223

**The Course:** This course studies:

- Coastal processes, the study of beaches at Kapiti Coast and coastal development
- Tourism development in Rotorua, field trip to Rotorua
- Global pattern of refugees and asylum seekers
- Geographic skills

This course is University Entrance approved

**Assessment:**

Standard Name	Number of Credits	Internal/External	L/N	U/E W/R
AS 91426 Demonstrate understanding of how interacting natural processes shape a New Zealand geographic environment, eg Kapiti Coast	4	External	L	W & R
AS 91427 Demonstrate understanding of how a cultural process shapes geographic environment(s). Tourism in Rotorua	4	External	L	W & R
AS 91429 Demonstrate understanding of a given environment(s) through selection and application of geographic concepts and skills	4	External	L	W & R
AS 91430 Conduct geographic research with consultation. Fieldwork in Rotorua	5	Internal	L & N	
AS 91431 Analyse aspects of a contemporary geographic issue eg human effects on Kapiti's coast.	3	Internal	L	R
AS 91432 Analyse aspects of geographic topic at a global scale, eg Refugees and Asylum seekers	3	Internal	L	
<b>Total credits available</b>	<b>23</b>			

**Note: Attendance of at least 85% is required to attend field trips.**

**Course Endorsement:** Offered in this course  
**Next Step:** Tertiary study  
**Costs:** Field trips to Rotorua (\$395) & Kapiti (\$25)  
 Skills Book \$27

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## HISTORY

**HISTORY – HIS112**

**Prerequisite:** No prerequisite  
**The Course:** This course is based on a broad overview of the 20<sup>th</sup> Century, with a focus on conflict and revolution. Both New Zealand and the wider world are explored.

**Assessment:**

Standard Name	Number of Credits	Internal/External	L/N
AS 91001 Carry out an investigation of an historical event or place of significance to New Zealanders	4	Internal	L
AS 91002 Demonstrate understanding of an historical event, or place of significance to New Zealanders	4	Internal	L
AS 91004 Demonstrate understanding of different perspectives of people in an historical event of significance to New Zealanders	4	Internal	L
AS 91005 Describe the causes and consequences of an historical event	4	External	L
<b>Total credits available</b>	<b>16</b>		

**Course Endorsement:** Offered in this course  
**Next step:** HIS223

**HISTORY – HIS223**

**Prerequisite:** 12 credits from a Level 1 Social Science  
**The Course:** This course explores responses to change through and ideological lens considering religious and political contexts.

**Assessment:**

Standard Name	Number of Credits	Internal/External	L/N	U/E W/R
AS 91229 Carry out an inquiry of an historical event or place that is of significance to New Zealanders	4	Internal	L	R
AS 91230 Examine an historical event or place that is of significance to New Zealanders	5	Internal	L	R
AS 91232 Interpret different perspectives of people in an historical event that is of significance to New Zealanders	5	Internal	L	R
AS 91233 Examine causes and consequences of a significant historical event	5	External	L	W & R
<b>Total credits available</b>	<b>19</b>			

**Course Endorsement:** Offered in this course  
**Next step:** HIS335  
**Costs:** Field Trip \$380 approximately

**HISTORY – HIS335****Prerequisite:** 14 credits from a Level 2 Social Science**The Course:** This course compares colonial responses to imperialism across three centuries.**Assessment:**

	Standard Name	Number of Credits	Internal/ External	L/N	U/E W/R
AS 91434	Research an historical event or place of significance to New Zealanders, using primary or secondary sources	5	Internal	L	R
AS 91435	Analyse an historical event, or place, of significance to New Zealanders	5	Internal	L	R
AS 91437	Analyse different perspectives of a contested event of significance to New Zealanders	5	Internal	L	R
AS 91438	Analyse the causes and consequences of a significant historical event	6	External	L	W & R
AS 91439	Analyse a significant historical trend and the force(s) that influenced it	6	External		
<b>Total credits available</b>		<b>21</b>			

**Course Endorsement:** Offered in this course**Next step:** Tertiary study**Costs:** Field trip \$380 approximately**LEGAL STUDIES****CRIMINAL PSYCHOLOGY – CRS223****Prerequisite:** 14 Credits in L1 English or 12 Credits in a L1 Social Science**The Course:** This course will introduce students to the ideas that underpin the motivations behind criminal behaviour and the representation of crime and criminals in today's society.**Assessment:** *These standards are subject to change*

	Standard Name	Number of Credits	Internal/ External	L/N
AS 91847	Examine how a theory is used in fields of psychological practice	5	Internal	L
AS91845	Examine how a psychological debate has changed over time	3	Internal	L
AS91844	Examine different psychological approaches used to explain a behaviour	6	Internal	L
AS91846	Conduct psychological research with guidance	4	Internal	L
AS 91848	Examine ethical issues in psychological practice	3	Internal	L
<b>Total credits available</b>		<b>21</b>		

**Course Endorsement:** Available in this course**Next Step:** CRS335**Costs:** Nil**CRIME AND SOCIETY – CRS335****Prerequisite:** Level 2**The Course:** This is a course which explores of the criminal justice system and competing criminal justice perspectives. This course will appeal to those with a general interest in the criminal justice system. The course is based on university approved Senior Social Studies achievement standards, but may also include non-university approved graded unit standards from Legal Studies, as appropriate for individual students.**Assessment:** \* This course is University Entrance approved if the student achieves these standards.

	Standard Name	Number of Credits	Internal/ External	UE R/W
AS 91596	Demonstrate understanding of ideological responses to an issue	4	External	R/W
AS91597*	Conduct a critical social inquiry	6	Internal	R
AS91599*	Examine personal involvement in a social action(s) that aims to influence policy change(s)	6	Internal	
AS91600*	Examine a campaign of social action(s) to influence policy change(s)	4	Internal	
<b>Total credits available</b>		<b>22</b>		

**Course Endorsement:** Offered in this course**Next step:** University or Polytechnic course.

## LEGAL STUDIES – LEG334

**Prerequisite:** Level 2 NCEA

**The Course:** This course will examine the nature of law and government, and citizens' interactions with the public, civil and criminal justice systems. The assessments are by way of graded unit standards, so endorsement is possible, but they are not university approved standards.

### Assessment:

	Standard Name	Number of Credits	Internal/ External
AS 91438	Analyse the causes and consequences of a significant historical event	6	External
US 27837	Evaluate a concept of democracy and government in relation to restraint on state power	4	Internal
US 27840	Evaluate a concept of justice in relation to a specific situation	4	Internal
US 27843	Evaluate a concept of law in relation to a specific situation	4	Internal
US 27846	Evaluate litigation and dispute resolution processes in relation to challenging state power	4	Internal
US 27852	Evaluate systems of government and their formation	4	Internal
	<b>Total credits available</b>	<b>26</b>	

**Course Endorsement:** Offered in this course

**Next step:** University/Polytechnic/Workplace

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## MEDIA STUDIES

### MEDIA STUDIES – MDS112

**Prerequisite:** Competent level of literacy required. The course is designed to build skills and understandings over the whole year.

**The Course:** Students will receive a general introduction to the media and its role in their lives. This will include a study of new media such as social networking sites with a particular focus on how they are used and regulated, analysing how media texts are constructed and designing and producing a range of media products for specified audiences. Basic skills in media technology will be learned including use of cameras and editing software.

### Assessment

	Standard Name	Number of Credits	Internal/ External	L/N
AS 90989	Demonstrate understanding of how individuals interact with the media	3	Internal	L/N
AS 90990	Demonstrate understanding of selected elements of media texts	3	Internal	L
AS 90992	Demonstrate understanding of characteristics of a media genre	4	External	L
AS 90993	Produce a design and plan for a media product using a specified range of conventions	3	Internal	L
AS 90994	Complete a media product from a design and plan using a specified range of conventions	6	Internal	
	<b>Total credits available</b>	<b>19</b>		

(Note: AS90990 was completed at Y10 level in 2014.)

**Course Endorsement:** Offered in this course

**Next Step:** MIC223 or JRN223

**Costs:** Nil

**MEDIA STUDIES/MOVING IMAGE CULTURE – MIC223**

**Prerequisite:** 14 credits from MDS112. 12 credits or better in Level 1 English is desirable, as well as an interest in film and television.

**The Course:** This course is concerned with media literacy and the process of understanding and using mass media, particularly film and television. Students learn to become critical consumers of media messages and use these skills in the production of their own media product – video.

**Assessment**

	Standard Name	Number of Credits	Internal/ External	L/N	UE R/W
AS 91249	Demonstrate understanding of narrative in media texts	4	Internal	L	
AS 91250	Demonstrate understanding of representation in the media	3	Internal	L	
AS 91251	Demonstrate understanding of an aspect of a media genre	4	External	L	R/W
AS 91252*	Produce a design and plan for a developed media product using a range of conventions	4	Internal	L	
AS 91253*	Complete a developed media product from a design and plan, using a range of conventions	6	Internal	L	
<b>Total credits available</b>		<b>21</b>			

\* Standards are the same as offered in Journalism JRN223

**Course Endorsement:** offered in this course

**Next Step:** MIC335

**Costs:** Nil

**MEDIA STUDIES/MOVING IMAGE CULTURE – MIC335**

**Prerequisite:** 14 credits from MIC223 or JRN223

**The Course:** Theoretical and practical production experience gives students tools to analyse and make their own messages and meanings in a media saturated world. A passion for film and television and independent work habits are required, as well as a willingness to put in time outside school hours. This course is University Entrance approved.

**Assessment**

	Standard Name	Number of Credits	Internal/ External	L/N	UE R/W
AS 91491	Demonstrate understanding of the meaning of a media text through different readings	3	Internal	L	
AS 91493*	Demonstrate understanding of a relationship between a media genre and society	4	External	L	R & W
AS 91494*	Produce a design for a media product that meets the requirements of a brief	4	Internal	L	
AS 91495*	Produce a media product to meet the requirements of a brief	6	Internal	L	
<b>Total credits available</b>		<b>17</b>			

Standards with \* next to them are the same as offered in Journalism JRN335

**Course Endorsement:** offered in this course

**Next Step:** Tertiary Media Studies, Arts & Humanities, Journalism, Video Production, Film & Television Courses, Industry Employment.

**Costs:** Nil

## JOURNALISM

### JOURNALISM - JRN223

**Prerequisite:** 14 credits from ENG112 or MDS112

**The Course:** In this course students gain insight into the role of print media and the written word as a means of communicating news, ideas and opinions in various mediums such as magazines, newspapers and new sites. Also cover the principles of layout and various programs such as InDesign and Photoshop. Strong initiative and independence is expected and an ability to meet deadlines is vital. Most course work is aimed at reaching publication standard for *The Flannel*.

**Assessment:** Students will complete a range from the following

	Standard Name	Number of Credits	Internal/ External	L/N	UE R/W
AS 91251	Demonstrate understanding of an aspect of a media genre	4	External		R&W
AS 91252*	Produce a design and plan for a developed media product using a range of conventions	4	Internal	L	
AS 91253*	Complete a developed media product from a design and plan using a range of conventions	6	Internal	L	
AS 91254	Demonstrate understanding of an ethical issue in the media	3	Internal	L	
AS 91255	Write developed media text for a specific target audience	3	Internal	L	W
<b>Total credits available</b>		<b>20</b>			

\* Standards are the same as offered in Moving Image Culture MIC223

**Course Endorsement:** Offered in this course

**Next step:** JRN335

**Costs:** Nil

### JOURNALISM – JRN335

**Prerequisite:** 14 credits from JRN223 or ENG223

**The Course:** The primary component of this course is the production of *The Flannel* magazine. Students assume control of all aspects of production including editorial policy, writing, designing, desktop publishing, and graphics as well as managing the magazine in the teenage marketplace. Students are able to specialise in production areas of interest. Assessments are Media Studies Achievement Standards. This course is University Entrance approved.

**Assessment**

	Standard Name	Number of Credits	Internal/ External	L/N	UE R/W
AS 91493*	Demonstrate understanding of a relationship between a media genre and society	4	External		R&W
AS 91494*	Produce a design for a media product that meets the requirements of a brief	4	Internal	L	
AS 91495*	Produce a media product to meet the requirements of a brief	6	Internal	L	
AS 91497	Write a media text to meet the requirements of a brief	3	Internal	L	W
<b>Total credits available</b>		<b>17</b>			

\* Standards are the same as offered in Moving Image Culture MIC335

**Course Endorsement:** Offered in this course

**Next step:** Tertiary courses

**Costs:** Nil

# TECHNOLOGY *Hangarau*

## Head of Faculty — Marietjie van Schalkwyk

Year 9	Year 10	Level 1	Level 2	Level 3
Digital Citizenship Digital Skills Digital Media Design Tech Wkshp	Computer Science Digital Media Design Tech Wkshp	Practical Computing Computer Science Digital Media Furniture & Cabinet Making	Practical Computing Computer Science Digital Media Practical Workshop	Computer Science Digital Media Practical Workshop
Design Visual Com	Design Visual Com	Design Visual Com Mechanical Engineering	Design Visual Com Mechanical Engineering Electronics	Design Visual Com Electronics Sonic Arts
Fashion Technology Food Technology	Fashion Technology Food Technology	Fashion Technology Food Technology Practical Food & Nutrition Crest	Fashion Technology Food Technology Hospitality Barista Skills Crest	Fashion Technology Food Technology Hospitality Crest

Students can choose more than one area of Technology to study. Some achievement standards are used by multiple technology courses. The credit value will be gained once, and the highest achievement level will be listed on the NZQA Record of Learning.

Students cannot enrol in CREST and FTE courses at the same time.

The standards are subject to change depending on the teacher assigned to the subject course in 2018

University Entrance approved Technology Subjects include:

FAB335      DGM335      FTE335      DVC335      CSC335

## COMPUTER SCIENCE

### COMPUTER SCIENCE - CSC112

All digital technology Level 1 Standards are changing in 2018. Standards in Computer Science will follow the new computational thinking strands.

**Prerequisite:** None

**The Course:** This course is for students who are interested in computer science and computer hardware. This course offers an introduction to algorithms, programming languages, computer programming, computer interface design, and personal computer hardware.

**The following assessment schedule will be subject to change but will still include the above mentioned skills and serves as an indication only.**

#### Assessment:

Standard Name	Number of Credits	Internal/External	L/N
AS 91074	3	External	L
AS 91075	3	Internal	
AS 91076	3	Internal	
AS 91080	3	Internal	L
AS 91081	4	Internal	
US 18739	2	Internal	
<b>Total credits available</b>	<b>18</b>		

**Course Endorsement:** Offered in this course

**Next Step:** CSC223

**Costs:** Nil

**COMPUTER SCIENCE - CSC223****Prerequisite:** 9 credits from CSC112 or on recommendation.**The Course:** This course is for students who are interested in computer science and network engineering. Covers usability, data representation and encoding, and practical skills and theoretical knowledge associated with local area network technologies. The students will work on a software project that includes indexed data structures and file input and output. Those students who have completed all assessment material will be encouraged to work towards individual scholarship or extension projects.**Assessment:**

Standard Name		Number of Credits	Internal/ External	L/N
AS 91371	Demonstrate understanding of advanced concepts from computer science	4	External	L
AS 91372	Construct a plan for an advanced computer program for a specified task	3	Internal	
AS 91373	Construct an advanced computer program for a specified task	3	Internal	
AS 91377	Demonstrate understanding of local area network technologies	3	Internal	L
AS 91378	Implement procedures for administering a local area network	4	Internal	
US18740	Create a simple computer programme to meet a set brief	3	Internal	
<b>Total credits available</b>		<b>20</b>		

**Course Endorsement:** Offered in this course**Next Step:** CSC335**Costs:** Nil**COMPUTER SCIENCE – CSC335****Prerequisite:** 9 credits from CSC223 or Level 2 Mathematics**The Course:** This course is for students who are interested in computer science and network engineering. Introduces students to a wide range of real world programming and data modelling skills. Students will also learn about formal languages through practical skills and theoretical knowledge associated with wide area network technologies. Those students who have completed all assessment material will be encouraged to work on individual scholarship or extension projects. This course is University Entrance approved**Assessment:**

Standard Name		Number of Credits	Internal/ External	L/N	UE W/R
AS 91636	Demonstrate understanding of areas of computer science	4	External	L	
AS 91637*	Develop a complex computer program for a specified task	6	Internal	L/N	
AS 91641	Demonstrate understanding of wide area network technologies	4	Internal	L	R
AS 91642	Implement procedures for administering a wide area network	4	Internal	L	
<b>Total credits available</b>		<b>18</b>			

\* Also taught in Sonic Arts (SON334)

**Course Endorsement:** Offered in this course**Next step:** Tertiary study**Costs:** Nil



## COMPUTING

### PRACTICAL COMPUTING – PCS110/220

**Prerequisite:** None.

**The Course:** This course is for students who want to gain practical skills with computers. They will learn to use several common programmes from Microsoft Office suite as well as basic skills for working with computers. Students will complete work at the level that is appropriate for them and work at their own pace. All assessments are internal and are sat when the student is ready.

**Assessment:** Students will not sit all assessments in one year.

Standard Name		Level	Number of Credits	Internal/External
US 101	Develop and use keyboarding skills to enter text	1	3	Internal
US 102	Consolidate keyboarding skills and produce accurate text based documents	1	3	Internal
US 107	Apply text processing skills to produce communications in a business or organisational context	2	5	Internal
US 111	Use a word processor to produce document for a business or organisation	2	5	Internal
US 2788	Produce desktop published documents to meet a set brief	2	5	Internal
US 18739	Create and use simple command sequences in a computer language	1	2	Internal
US 18743	Produce a spreadsheet from instructions using supplied data	1	2	Internal
US 16677	Key in text at 15 words per minute	1	1	Internal
<b>Optional</b>				
US 16678	Key in text at 25 words per minute	2	1	Internal
US 2784	Create and use a computer spreadsheet to solve a problem	2	3	Internal
US 25656	Create a web page using a mark-up language to meet a set brief	2	3	Internal
<b>Total Credits</b>			<b>33</b>	

**Course Endorsement:** Not offered in this course

**Next Step:** PCS 220/courses at another provider/Employment

**Cost:** Nil

## DIGITAL MEDIA

### DIGITAL MEDIA - DGM112

**Prerequisite:** Year 10 Digital Media or by negotiation with the teacher. Strong interest in computer graphics, web design and interactive media. Basic office skills and Google Classroom skills are essential.

**The Course:** Students will learn to create a number of different digital media outcomes including original content and then use these for a webpage of their choice. Basic HTML5 and CSS3 code is used for web development. The ability to manage project work is essential. **The following assessment schedule will be subject to change.**

**Assessment:**

Standard Name		Number of Credits	Internal/External
AS 91046	Use design ideas to produce a conceptual design for an outcome to address a brief	6	Internal
AS 91071	Implement basic procedures to produce a specified digital information outcome	4	Internal
AS 91073	Implement basic procedures to produce a specified digital media outcome	4	Internal
AS 91053	Demonstrate understanding of design elements	3	External
<b>Total Credits</b>		<b>17</b>	
<b>Additional/Alternative/Optional Credits</b>			
AS 91047	Undertake development to make a prototype to address a brief	6	Internal
AS 91072	Demonstrate understanding of basic concepts of digital media	3	Internal
US 25659	Create a web page using a mark-up language with a text editor	2	Internal
US 18739	Create and use simple command sequences in a computer language	2	Internal
US 26745	Produce still images for a range of Digital Media	3	Internal
<b>Optional Credits Available</b>		<b>16</b>	

**Course Endorsement:** Offered in this course

**Next step:** DGM223

**Costs:** Nil

**DIGITAL MEDIA - DGM223**

**Prerequisite:** 14 credits from DGM 112 or by negotiation with the teacher. Basic office skills and ability to use Google Classroom are essential. Some HTML and CSS skills would be an advantage.

**The Course:** The main focus for the course is learning skills for the web including databases and dynamic document structures. Students will plan, design and produce solutions for clients. The ability to manage project work is essential.

**Assessment:**

Standard Name		Number of Credits	Internal/ External
AS 91356	Develop a conceptual design for an outcome	6	Internal
AS 91370	Implement advanced procedures to produce a specified digital media outcome	4	Internal
AS 91368	Implement advanced procedures to produce a specified digital information outcome with dynamically linked data	6	Internal
AS 91367	Demonstrate understanding of advanced concepts relating to managing shared information within information systems	3	External
<b>Total credits available</b>		<b>19</b>	
<b>Additional/Alternative/Optional credits</b>			
AS 91356	Undertake effective development to make and trial a prototype	6	Internal
AS 91369	Demonstrate understanding of advanced concepts of digital media	4	Internal
US 25656	Create a website using a mark-up language to meet a set brief	3	Internal
US 25656	Create a website using mark-up language to meet a set brief	3	Internal
US 2786	Create and use a computer database to solve a problem	3	Internal
US 2791	Integrate a spreadsheet and database into word processed document to meet a brief.	3	Internal

**Course Endorsement:** Offered in this course

**Next step:** DGM335

**Costs:** Nil

**DIGITAL MEDIA - DGM335**

**Prerequisite:** 14 credits from DGM223 or by negotiation. Basic office skills and ability to use Google Classroom. Some HTML, CSS and relational database design skills would be an advantage.

**The Course:** The main focus for the final year of the Digital Media course will be in web design and development. A range of software use is possible but JavaScript and some SQL will be used for creating dynamic elements in the websites. Some advanced relational database work and data integration will be explored. Students will plan, design and produce solutions for clients.

**Assessment:** This course is University Entrance approved

Standard Name		Number of Credits	Internal/ External
AS 91610	Develop a conceptual design considering fitness for purpose in the broadest sense	6	Internal
AS 91635	Implement complex procedures to produce a specified digital media outcome	4	Internal
AS 91633	Implement complex procedures to develop a relational database embedded in a specified digital outcome	6	Internal
AS 91617	Undertake a critique of a technological outcome's design	4	External
<b>Total compulsory credits available</b>		<b>20</b>	
<b>Additional/Alternative/Optional credits</b>			
US 25657	Create a website for a stakeholder using HTML and CSS (liquid design)	6	Internal
AS 91611	Develop a prototype considering fitness for purpose in the broadest sense.	6	Internal
AS 91634	Demonstrate understanding of complex concepts of digital media	4	Internal
US 18756	Use and maintain a computer database for a business reporting and decision making.	4	Internal
US 2787	Create and use a computer database to provide a solution for an organisation.	6	Internal
<b>Total Alternative Credits available</b>		<b>26</b>	

**Course Endorsement:** Offered in this course

**Next step:** Tertiary study

**Costs:** Nil

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## DESIGN & VISUAL COMMUNICATION

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### DESIGN & VISUAL COMMUNICATION – DVC112

**Prerequisite:** Year 10 DVC

**The Course:** This course is project based and covers spatial / architectural design and product design as well as drawing for design, design history and presentation techniques. Students are expected to develop a range of drawing skills to communicate their design ideas. Excellent time management and the ability to meet project deadlines are also required.

**Assessment:**

	Standard Name	Number of Credits	Internal/ External	L/N
AS 91063*	Produce freehand sketches to communicate design ideas	3	External	
AS 91064	Produce instrumental, multi-view orthographic drawings that communicate technical features of design ideas	3	External	N
AS 91067	Use the work of an influential designer to inform design ideas	3	Internal	
AS 91068	Undertake development of design ideas through graphics practice	6	Internal	
AS 91069	Promote an organised body of design work to an audience using visual communication techniques	4	Internal	L
<b>Total credits available</b>		<b>19</b>		

\*Also offered in FAB112

**Course Endorsement:** Offered in this course

**Next step:** DVC223

**Costs:** Studio fee \$15 for specialist resources

### DESIGN & VISUAL COMMUNICATION – DVC223

**Prerequisite:** 18 credits from DVC112

**The Course:** This course continues to be project based and covers spatial and product design areas. While the major emphasis is still on hand based drawing of ideas, students are expected to extend their use of a range of media, computer graphics and a range of graphical skills to communicate their design ideas. Excellent time management skills and the ability to meet project deadlines are also required.

**Assessment:**

	Standard name	Number of credits	Internal/ External	L/N
AS 91337*	Use visual communication techniques to generate design ideas	3	External	
AS 91340	Use the characteristics of a design movement or era to inform own design ideas	3	Internal	
AS 91341	Develop a spatial design through graphics practice	6	Internal	L
AS 91342	Develop a product design through graphics practice	6	Internal	
<b>Total credits available</b>		<b>18</b>		

\* Also offered in FAB223

**Course Endorsement:** Offered in this course

**Next step:** DVC335

**Costs:** Studio Fee \$15 for specialist resources

## DESIGN & VISUAL COMMUNICATION – DVC335

**Prerequisite:** 15 credits from DVC223

**The Course:** This course is for able students who have strong design interests and have proved their abilities at Level 2 to a high standard. An architectural design brief will be worked through by individual students so that areas of interests and relevance are focused on and in turn, developed, explored and resolved. Students will be expected to work conceptually, with innovation and creativity. The range of methods utilised in the course could include freehand drawing, instrumental drawing, presentation techniques, mock-up and model making, and computer generated design as well as investigative, descriptive and evaluative writing. Students will also be exposed to a range of contemporary designers to inspire and influence their design projects. Excellent time management skills and the ability to meet project deadlines are also required. Scholarship DVC is an optional aspect of this course. This course is University Entrance approved.

### Assessment:

Standard Name		Number of Credits	Internal/ External
AS 91627*	Initiate design ideas through exploration	4	External
AS 91630	Resolve a product design through graphics practice	6	Internal
AS91629	Resolve a spatial design through graphics practice	6	Internal
<b>Total credits available</b>		<b>16</b>	

\*Also offered in FAB335

**Course Endorsement:** Offered in this course

**Next step:** Architecture, Graphic Design, Industrial Design or Engineering at University. Technical courses at degree or diploma Level.

**Costs:** Graphics fee \$15 for specialist resources

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## INDUSTRY TRAINING COURSES

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### FURNITURE AND CABINET MAKING – PFC120/220

**Prerequisite:** Safety awareness and an enthusiasm for constructing and using wood

**The Course:** This course is aimed at students who enjoy or feel they would enjoy working in a workshop environment producing pieces of timber furniture from working drawings. It follows a more traditional apprenticeship style approach. Students gain skills in using woodworking hand and power tools. Credits gained count towards NCEA Level 2 as well as being industry recognised.

### Assessment:

Standard Name		Number of Credits	Internal/ External
US 2199 L2	Use and maintain hand tools in furniture making	4	Internal
US 16232 L2	Use portable power tools for furniture making	4	Internal
US 18917 L2	Construct hand joints for furniture	3	Internal
US 18918 L2	Construct a furniture carcass	6	Internal
US 25536 L2	Operate a bandsaw to produce furniture components	3	Internal
<b>Total credits available</b>		<b>20</b>	

\* These ITO standards may change

**Course Endorsement:** Not offered in this course

**Next step:** CPY220

**Costs:** Nil

### PRACTICAL WORKSHOP – PWK220

**Prerequisite:** Good common sense and safety consciousness with a genuine interest in this field

**The Course:** This is a practical hands-on course for students who wish to learn a range of technologies to complete a one off project. The project is broken down into two main areas:  
**Electronics and passive speaker design**  
This is aimed at students who wish to learn simple electronics skills in the workshop. Students will design using simple CAD (computer aided machine). As a class students will work out and build a passive crossover circuit.  
**Cabinet making and port tuning**  
This is aimed at students who wish to learn simple furniture making skills in the workshop. Students will create a simple project plan, develop a practical work sequence, identify their materials and then build a pair of music speaker cabinets.

#### Assessment:

	Standard Name	Number of Credits	Internal/ External
US 22316	Demonstrate knowledge of the management of drug and/or alcohol related problems in the workplace	6	Internal
US 17593	Apply safe work practices in the workplace	4	Internal
US 19522	Undertake job safety analysis	4	Internal
US 2433	Produce simple engineering component drawings using CAD software	6	Internal
<b>Total credits available</b>		<b>20</b>	

**Course Endorsement:** Not offered in this course  
**Next step:** Polytechnic, industry, workforce  
**Costs:** Nil

### PRACTICAL WORKSHOP – PWK334

**Prerequisite:** Good workshop safety and a willingness to try a range of different workshop practices

**The Course:** This is a practical hands-on modular course which explores a number of technologies in 5-6 week blocks.  
Modular blocks include jewellery design, CAD/CAM engineering, resistant materials, metalwork/welding  
\* This course is University Entrance approved if the student achieves these standards.

#### Assessment:

	Standard Name	Number of Credits	Internal/ External
AS 91622*	Implement complex procedures to make a specified product using a computer numerical controlled (CNC) machine	4	Internal
US 17591	Demonstrate knowledge of the prevention and management of discomfort, pain and injury (DPI) in the workplace	8	Internal
US 17592	Identify the causes of back injury & methods to prevent back injuries in the workplace	4	Internal
US 17594	Demonstrate knowledge of hearing conservation in the workplace	3	Internal
US 26122	Demonstrate knowledge of and build circuits using digital electronic devices that interface with ACD and DAC functions	3	Internal
US 26123	Demonstrate knowledge of the practical applications of logic circuits	3	Internal
<b>Total credits available</b>		<b>25</b>	

\* This standard may also be offered in other Year 13 Technology e.g FAB

Assessment standards in this course are subject to change

**Course Endorsement:** Not offered in this course  
**Next step:** Polytechnic, industry, workforce  
**Costs:** Nil

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## ELECTRONICS TECHNOLOGY

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### ELECTRONICS TECHNOLOGY - ELT223

**Prerequisite:** 12 credits from SCI112 and 8 credits from Level 1 Mathematics

**The Course:** This is a school based Industry course for those interested in electronics. The content of the course is described by the Unit Standard names. The course covers theory and practical. These Unit Standards cover the five compulsory standards required for the National Certificate. Full completion of the National Certificate requires completion of a further elective 16 credits outside of this course.

You will finish this course with two fully working sound devices and a good understanding of electronics theory.

**Assessment:**

	Standard Name	Number of Credits	Internal/ External
US 18239 L2	Demonstrate introductory knowledge of circuit concepts and measurements for electronics	5	Internal
US 18240 L2	Demonstrate knowledge of basic electronic components	5	Internal
US 18241 L2	Demonstrate knowledge of basic electronic systems	5	Internal
US 18242 L2	Construct a simple printed circuit	3	Internal
US 18243 L2	Construct simple electronic products from supplied circuit schematics	6	Internal
	<b>Total credits available</b>	<b>24</b>	

**Course Endorsement:** Not offered in this course

**Next step:** ELT335

**Costs:** Nil

### ELECTRONICS TECHNOLOGY - ELT335

**Prerequisite:** 14 credits from ELT223 and 12 credits from Level 2 Maths

**The Course:** This is a hands on course with a chance to create electronic systems that interact in complex ways with their environment. The course covers the construction and improvement of electronic systems, the implementation of interfacing procedures between electronic circuits and microcontroller software and the use of CNC machines will also be covered. The course builds on knowledge and skills gained during ELT223 and would lead into many different fields of work or study after Level 3. Full completion of the National Certificate level 3 requires completion of a further elective 17 credits outside of this course. This course is not University Entrance approved.

**Assessment:**

	Standard Name	Number of Credits	Internal/ External
US 26119	Construct, and report on the performance of, a simple electronic programmable circuit	4	Internal
US 26120	Describe and construct circuits to demonstrate the operation and properties of electronic devices	3	Internal
US 26121	Plan, construct, modify, and report on an electronic prototype	6	Internal
US 9221	Demonstrate knowledge of the development of an electronic product	3	Internal
US 26123	Demonstrate knowledge of the practical applications of logic circuits	3	Internal
	<b>Total credits available</b>	<b>16</b>	

**Course Endorsement:** Not offered in this course

**Next step:** Entry into the electronic, computing, interactive design industries, apprenticeships or further study.

**Costs:** Nil

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## MECHANICAL ENGINEERING

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### MECHANICAL ENGINEERING - MEG112

**Prerequisite:** Good common sense, safety consciousness, and an interest in practical workshop activity.

**The Course:** This course is for those who wish to develop their knowledge and skills in a mostly metal based workshop environment. The course is delivered through engineering projects where a range of items are made using a wide variety of tools and machines. It is particularly suitable for those who may be interested in engineering related trades as it offers a well balanced practically orientated course. Projects include metal clamps and mechanical wind ornament.

**Assessment:**

	Standard Name	Number of Credits	Internal/ External
US 22923	Demonstrate basic engineering workshop skills under close supervision	12	Internal
US 22924	Develop a simple product using engineering materials	10	Internal
US 22926	Demonstrate knowledge of safety procedures in a specific engineering workshop	2	Internal
<b>Total credits available</b>		<b>24</b>	

**Course Endorsement:** Not offered in this course

**Next step:** The course allows a pathway to higher level qualifications, apprenticeship or gateway (part school part workshop) opportunities

**Costs:** Nil

### MECHANICAL ENGINEERING - MEG222

**Prerequisite:** MEG112 or entry dependent upon brief interview with HoF or TiC who will assess skills background and motivational reasons for selecting this course.

**The Course:** This course is for those who wish to develop their knowledge and skills in a mostly metal based workshop environment. The course is delivered through engineering projects where a range of items are made using a wide variety of tools and machines. It is particularly suitable for those who may be interested in engineering related trades as it offers a well balanced practically orientated course. Typical projects include drift trike, gear knobs and medieval helmet.

**Assessment:** *These standards are subject to change*

	Standard Name	Number of Credits	Internal/ External
US 2395	Select use and care for engineering hand tools	4	Internal
US 2430	Manually produce and interpret engineering sketches under supervision	4	Internal
US 4435	Select, use, and care for engineering dimensional measuring equipment	3	Internal
US 4436	Select use and care for engineering marking-out equipment	4	Internal
US 21911	Demonstrate knowledge of safety on engineering worksites	1	Internal
US 20917	Demonstrate basic knowledge of engineering materials	2	Internal
<b>Total credits available</b>		<b>18</b>	

**Course Endorsement:** Not offered in this course

**Next step:** The course allows a pathway to higher level qualifications, apprenticeship or gateway (part school part workshop) opportunities

**Costs:** Nil

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## SONIC ARTS

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### SONIC ARTS – SON223/334

**Prerequisite:** Preferred 12 credits from ELT223 and/or entry dependent upon brief interview with HoF/TIC.

**The Course:** This course gives students the opportunity to work in a range of areas, including music technology, electronic music, intermedia, audio plug-in design and electronic circuit design. In addition students will gain a broad knowledge of ICT programs that have become standard in many industries. SON334 is not University Entrance approved.

**Assessment:**

	Standard Name	Number of Credits	Internal/ External	L/N
AS 91634*	Demonstrate understanding of complex concepts of digital media	4	Internal	L
AS 91635*	Implement complex procedures to produce a specified digital media outcome	4	Internal	L
US 23730	Operate music sequencing, editing and music notation application	8	Internal	
US 28007*	Select and apply a range of processes to enhance a sound in a performance context	6	Internal	
	<b>Total credits available</b>	<b>22</b>		

\* Also offered in CSC335, DGM335

**Course Endorsement:** Not offered in this course

**Next Step:** Entry into the electronic (and a very valuable step into computing) industries, apprenticeships or universities to develop studies.

**Costs:** Nil

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## FASHION TECHNOLOGY

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### FASHION TECHNOLOGY - FAB112

**Prerequisite :** Year 10 FAB preferred but not essential

**Course Outline:** Students will generate portfolios that show ideas in the fashion and textiles area and how they turned these into 3-D wearable and functional items. The degree of difficulty and extent of practical skills completed is dependent on the student's personal choices, ability, and their goal setting. Skills covered include: patternmaking, fashion illustration, exploring materials, sewing construction techniques, screenprinting, analysis, problem solving, fashion language.

**Assessment:**

	Standard Name	Number of Credits	Internal/ External
AS 91058	Implement basic procedures using textile materials to make a specified product	6	Internal
AS 91063*	Produce freehand sketches that communicate design ideas	3	External
AS 91066*	Use rendering techniques to communicate the form of design ideas	3	Internal
AS 91096	Make basic adaptations to a pattern to enable a design to fit a person or item	4	Internal
	<b>Total credits available</b>	<b>16</b>	

\* These standards maybe offered in the other areas of Technology e.g DVC.

**Course Endorsement:** Offered in this course

**Next Step:** FAB223

**Costs:** \$45.00

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**FASHION TECHNOLOGY - FAB223**

**Prerequisite:** 12 credits from FAB112 and 10 credits from Level 1 English, or with consultation with the TIC  
**Course Outline:** Students will generate portfolios. In these they will show a variety of skills that relate to fashion illustration, communication, model making, exploring fashion garment making, patterns, sewing construction, problem solving, development of an idea from a sketch to a wearable item. Good communication, self-motivation and being able to work with some independence are essential skills. The degree of difficulty and extent of practical work completed is dependent on the student's choices, ability, and goals set.

**Assessment:**

Standard Name	Number of Credits	Internal/ External
AS 91337*	Use visual communication techniques to generate design ideas	3 External
AS 91345	Implement advanced procedures using textile materials to make a specified produce with special features	6 Internal
AS 91346	Deomonstrate understanding of advanced concepts used to make textile products	4 Internal
AS 91350	Make advanced adaptations to a pattern to change the structural and style features of a design	4 Internal
<b>Total credits available</b>		<b>17</b>

\* These standards maybe offered in the other areas of Yr 12 Technology e.g DVC.

**Course Endorsement:** Offered in this course  
**Next Step:** FAB335  
**Costs:** \$50.00

**FASHION TECHNOLOGY - FAB335**

**Prerequisite:** 12 credits from FAB223 and 12 credits from Level 2 English / Painted Word, or with consultation with the Teacher in Charge  
**Course Outline:** Students will generate one major portfolio working with one client throughout the year. Working with fashion designers and exploring innovative ideas are two key aspects. Showing original designs and learning a wide range of skills from fashion computer illustration, couture sewing techniques, wearable art, and window display. Good communication and independent self-motivation are essential skills. The degree of difficulty and extent of practical work completed is dependent on the student's choices, ability and goals set.  
 This course is University Entrance approved

**Assessment:** Full year Achievement Standard course. University endorsed NCEA subject. Scholarship (Design Visual Communication)

Standard Name	Number of Credits	Internal/ External	L/N	U/E W/R
AS 91621	Implement complex procedures using textile materials to make a specified product	6 Internal		
AS 91623	Implement complex procedures to create an applied design for a specified product	4 Internal		
AS 91626	Draft a pattern to interpret a design for a garment	6 Internal		
AS 91627 *	Initiate design ideas through exploration	4 External		
<b>Total credits available</b>		<b>20</b>		

\* These standards maybe offered in the other areas of Yr 13 Technology; DVC

**Next Step:** University course, apprenticeships, Polytechnics, etc  
**Costs:** \$50.00

## FOOD AND NUTRITION TECHNOLOGY

### PRACTICAL FOOD AND NUTRITION - PFN111

**Prerequisite:** None.

**The Course:** This subject is primarily a practical course available to Level 1 students. It is designed as a introduction to working in a commercial kitchen environment and a pre-requisite for Level 2 Food and Hospitality course. This course follows the Foundation Cookery Skills Level 1 booklet and has the following Unit Standards embedded in the course.

**Assessment:** *These standards are subject to change*

	Standard Name	Number of Credits	Internal/ External
US 19770	Prepare and present egg and cheese dishes in the hospitality industry	3	Internal
US 15900	Prepare and present meat in the hospitality industry	4	Internal
US 15901	Prepare and present fruit and vegetables in the hospitality industry	3	Internal
US 15921	Prepare and cook a cake, a sponge and a batch of scones in the hospitality industry	3	Internal
US 21059	Demonstrate knowledge of knife care, use, storage and carrying for the hospitality industry	2	Internal
<b>Total credits available</b>		<b>15</b>	

**Course Endorsement:** Not offered in this course

**Next step:** HOS223, Polytechnic courses in food Service and Hospitality. Employment as a chef's assistant, catering.

**Costs:** \$50.00

### FOOD AND NUTRITION TECHNOLOGY – FTE112

**Prerequisite:** Year 10 Food Technology is desirable

**The Course:** This university approved course meets the needs of any student who takes a sincere interest in the design and development of food and related products.

**Assessment:** *These standards are subject to change*

	Standard Name	Number of Credits	Internal/ External	L/N
AS 91046	Use design ideas to produce a conceptual design for an outcome to address a brief	6	Internal	
AS 91047	Undertake development to make a prototype to address a brief	6	Internal	L
AS 91049	Demonstrate understanding of how materials enable technological products to function	4	External	
AS 91082	Implement basic procedures to process a specified product	4	Internal	
<b>Total credits available</b>		<b>20</b>		

**Course Endorsement:** Offered in this course

**Next Step:** FTE223, HOS223

**Costs:** \$50.00

### FOOD AND NUTRITION TECHNOLOGY – FTE223

**Prerequisite:** NCEA Level 1 literacy and numeracy credits.

**The Course:** This is a university approved food technology focused course. The course involves practical skills as well as a product development unit. External standards allow students to gain merit or excellence endorsement in Food Technology.

**Assessment:**

	Standard Name	Number of Credits	Internal/ External	L/N
AS 91351	Implement advanced procedures to process a specified product	4	Internal	L
AS 91356	Develop a conceptual design for an outcome	6	Internal	L
AS 91357	Undertake effective development to make and trial a prototype	6	Internal	
AS 91358	Demonstrate understanding of how technological modelling supports risk management	4	External	L
<b>Total credits available</b>		<b>20</b>		

**Course endorsement:** Offered in this course

**Next step:** FTE 335

**Costs:** \$50.00

## FOOD AND NUTRITION TECHNOLOGY - FTE335

**Prerequisite:** NCEA Level 1 literacy and numeracy credits

**The Course:** This university approved subject extends knowledge, understanding and capabilities in technology focusing on food product development. Students use technological practice to work on individual products with clients and resolve a wide range of real opportunities, needs and problems. Good communication skills, innovation, and independent work habits are important for successful outcomes for the course. Scholarship Technology is also available to suitable candidates. This course is University Entrance approved

### Assessment:

	Standard Name	Number of Credits	Internal/ External	L/N	U/E W/R
AS 91610	Develop a conceptual design considering fitness for purpose in the broadest sense	6	Internal	L	
AS 91611	Develop a prototype considering fitness for purpose in the broadest sense	6	Internal	L	
AS 91613	Demonstrate understanding of material development	4	External	L	W
AS 91643	Implement complex procedures to process a specified product	6	Internal	L	
<b>Total credits available</b>		<b>22</b>			

**Course Endorsement:** Offered in this course

**Next step:** University courses, Polytechnic courses

**Costs:** \$50.00

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## HOSPITALITY

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### HOSPITALITY – HOS223

**Prerequisite:** None

**The Course:** Students participating in this course will be developing the cookery skills required for the hospitality industry. They will have the opportunity to enter a range of cookery competitions and further develop skills through catering for a variety of functions. There is an option to gain a food and beverage service standard by serving at staff Wahi Kai lunches.

### Assessment:

	Standard Name	Number of Credits	Internal/ External
<b>Cookery</b>			
US 167	Practise food safety methods in a food business under supervision	4	Internal
US 13276	Cook food items by grilling	2	Internal
US 13283	Prepare and present salads for service	2	Internal
US 13285	Handle and maintain knives in a commercial kitchen	2	Internal
US 13272	Cook food items by baking	2	Internal
US 13277	Cook items by braising and stewing	2	Internal
US 13280	Prepare fruit and vegetable cuts	2	Internal
<b>Food and Beverage</b>			
US 14436	Provide table service for a commercial hospitality environment	4	Internal
<b>Total credits available</b>		<b>16</b>	

**Course Endorsement:** Not offered in this course

**Next step:** HOS323 or entering into a traineeship at Polytechnic or Food Service Industry.

**Costs:** Nil

### HOSPITALITY – HOS334

**Prerequisite:** Unit Standard 167. This is ESSENTIAL

**The Course:** This Service IQ approved course is designed to give students specific industry training which will be advantageous for a career in Hospitality. The course has a large practical component and students are expected to demonstrate independence and a level of professionalism required to be working in a commercial kitchen.

Students will have to be available to work at a range of catering functions through the year in order to achieve US 13282 and US 13325

**Assessment:**

	Standard Name	Number of Credits	Internal/ External
US 168	Demonstrate knowledge of food contamination hazards, and control methods used in a food business	4	Internal
US 13282	Prepare, assemble, and present complex sandwiches for service in a commercial kitchen	2	Internal
US13325	Prepare and bake basic cakes, sponges and scones in a commercial kitchen	4	Internal
US 18497	Demonstrate knowledge of culinary products	8	Internal
<b>Total credits available</b>		<b>18</b>	

**Course Endorsement:** Not offered in this course

**Next Step:** Entry into Weltec Polytechnic, Food Service Industry or modern apprenticeship.

**Costs:** Nil

### BARISTA SKILLS – BAR223

**Prerequisite:** None

**The Course:** This course offers students the opportunity to gain a certificate in barista skills. This is a full year course and covers theory of coffee as well as practical barista skills. Students will have the opportunity to learn the mechanics of an espresso machine. Apart from class time, students will have to commit to sharing barista duties over lunch times and some school events. This course includes both Level 2 and Level 3 Unit Standards.

**Assessment:**

	Standard Name	Number of Credits	Internal/ External
<b>Level 2</b>			
US 17285 V7	Demonstrate knowledge of commercial espresso coffee equipment and prepare espresso beverages under supervision	4	Internal
US 17286 V5	Prepare and present pressed coffee for service	2	Internal
US 17287 V5	Prepare and present filtered coffee for service	2	Internal
US 1443	Pack food and beverage orders for takeaway in a commercial environment	2	Internal
<b>Level 3</b>			
US 17284 V6	Demonstrate knowledge of coffee origin and production	3	Internal
US 17288 V5	Prepare and present espresso beverages for service	5	Internal
<b>Total credits available</b>		<b>18</b>	

**Course Endorsement:** Not offered in this course

**Next Step:** Employment as a barista – full or part time

**Costs:** Nil

## CREST

### CREST - FOOD PRODUCT DEVELOPMENT – CRE112/223/335

- Pre-requisites:** CREST BRONZE: Year 9/Year 10 Food technology  
 CREST SILVER: Years 9/10/11/12 Food Technology  
 CREST Team Silver: Years 10/11/12 Food Technology  
 CREST GOLD: In Year 12 and has completed Individual Silver to register for Gold Crest
- The Course:** This is a multi-level course available to any interested student from Year 10 to Year 13. In this course students will work for a CREST award hosted by The Royal Society of New Zealand. CREST Awards requires research or investigation of creative and innovative science and technological solutions to practical problems. In this course students will do their investigations within the Food Science discipline.  
 CREST projects in this course are used to provide the evidence for NCEA assessment and can be used as entries to regional science and technology fairs and other such competitions.  
 The Level 3 standards are University Entrance approved  
*These standards are subject to change*
- Assessment:** *These standards are subject to change*

Standard name		Number of Credits	Internal/external	L/N	U/E W/R
<b>Level 1</b>					
AS 91044	Undertake brief development to address a need or opportunity	4	Internal	L	
AS 91045	Use planning tools to guide the technological development of an outcome to address a brief	4	Internal		
AS 91047	Undertake development to make a prototype to address a brief	6	Internal		
AS 91049	Demonstrate understanding of how materials enable technological products to function	4	External	L	
<b>Total credits available</b>		<b>18</b>			
<b>Level 2</b>					
AS 91354	Undertake brief development to address an issue	4	Internal	L	
AS 91357	Undertake effective development to make and trial a prototype	6	Internal		
AS 91355	Select and use planning tools to manage the development of an outcome	4	Internal		
AS 91358	Demonstrate understanding of how technological modeling supports risk management	4	External	L	
<b>Total credits available</b>		<b>18</b>			
<b>Level 3</b>					
AS 91608	Undertake brief development to address an issue within a determined context	4	Internal	L	
AS 91611	Develop a prototype considering fitness for purpose in the broadest sense	6	Internal	L	
AS 91613	Demonstrate understanding of material development	4	External	L	W
<b>Total credits available</b>		<b>14</b>			
<b>Scholarship:</b> Interested students will be supported to submit a scholarship report.					

- Course endorsement:** Offered in this course
- Next step:** Depending on the level of course students can move on to the next CREST award.  
 For Level 3 students, it will be University or Polytechnic courses
- Costs:** Nil

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## FINAL ADVICE

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Organisation for the 2018 timetable starts now and we need to know as accurately as possible what you are going to do next year; leave school or come back to school. If you are coming back then we need to know the subjects you want to take.

At this stage we are offering the full range of subjects. Choose wisely as your choices determine which classes will finally be offered.

Read the information in the Course Booklet very carefully, then:

- discuss it with your caregivers,
- discuss it with your teacher, particularly with your Dean,
- discuss it with your Rōpū teacher,
- discuss it with your careers and guidance staff
- and discuss it with the Heads of Faculty and Teachers in Charge who are named in the booklet.

Take **every** chance to ensure you make a satisfactory choice at this stage. Listen to your teachers' advice carefully as they know your capabilities.

**F**ocus on your skills and your future

**O**pt for subjects you would like to do

**C**onsult your caregivers, teachers, Deans and careers advisors

**U**se the form to advise your rōpū teacher of your choices

**S**ave this booklet for future reference.