

COURSE BOOKLET

**YEAR 13**

2012

# Taupo-nui-a-Tia College Course Planning Timeline for Course Selection

## Term III

- Week 5**
- Tuesday 30 August – Course booklets given out to Years 10, 11, 12
  - Read the booklet
  - Complete the **Course Planning Sheet**.

**Week 6**      **Course Information Evening – Tuesday 6 September, College Library, 6:30pm to 8:00pm**  
Parents and students are welcome to come and discuss course choices.

**Weeks 6 + 7**    **Interview with Dean or Senior Teacher.**  
Students bring the **Course Planning Sheet** to the interview.

## Term IV

Course selection letter sent home to confirm choices early in Term IV.

**Unit Standards and/or Achievement Standards may change.**

### **University Entrance – Literacy**

Te Reo Māori and Te Reo Rangatira standards fulfilling the literacy requirement for University Entrance. Literacy must be in either Te Reo Māori or English, it cannot be a combination of both.

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# ENGLISH & LANGUAGES FACULTY

## ENGLISH 01 – YEAR 13

CODE: EN1

**NZQA qualifications:** NCEA Level 3 Achievement standards.

**Prerequisites:**

For Year 13 students who have at least 14 achievement standards at Level 2.

**Course length:** Full year      **Class hours per fortnight:** 8 hours      **Homework hours per fortnight:** 6 hours

### **COURSE DESCRIPTION**

This course is intended for able students of English, who wish to continue their studies in this subject. This is a rewarding academic course that demands a high degree of commitment and effort.

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Standard	Version	Title	Level	Credits	Internal or External
90720	2	Produce an extended piece of writing in a selected style	3	4	Internal
90721	2	Respond critically to written text	3	3	External
90722	2	Respond critically to Shakespearean drama	3	3	External
90723	2	Respond critically to oral or visual text	3	3	External
90724	2	Respond critically to unfamiliar prose and poetry texts	3	3	External
90725	2	Construct and deliver an oral presentation	3	4	Internal
90726	2	Independent Research on a language or literature topic	3	4	Internal

**Assessment:** 3 x internal achievement standards, 4 x external achievement standards, total 24 credits Term III school examinations

**Course leads to:** Tertiary qualifications

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# **ENGLISH 02 – YEAR 13**

**CODE: EN2**

**NZQA qualifications:** NCEA Level 2 and 3

- Achievement Standards.
- Unit Standards.

**Prerequisites:**

For Year 13 students who have at least four achievement standard writing credits and four reading credits at Level 2.

**Course length:** Full year      **Class hours per fortnight:** 8 hours      **Homework hours per fortnight:** 6 hours

**COURSE DESCRIPTION**

This course is intended for students who may have a focus towards mathematics, science or other subjects, but are required to fulfil the literacy criteria of four reading and four writing credits for entry to university.

EN2 (A) 8834, 90721 (reading), 8835, 90721 (writing) = 18 credits  
EN2 (B) 8834, 12427, 12431 (reading) 12458 = 16 credits

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Standard	Version	Title	Level	Credits	Internal or External
8834	4	Investigate a theme across a range of selected texts and evaluate the outcomes of the investigation	3	6	Internal
8835	4	Produce sustained transactional writing in a range of complex forms	3	6	Internal
12427	3	Read closely and evaluate the effectiveness of poetic written texts	3	4	Internal
12431	3	Read closely and evaluate the effectiveness of moving images	3	3	Internal
12458	3	Present static images based on analysis of a chosen genre	3	3	Internal
90721	2	Respond critically to written text	3	3	External

**Assessment:** 1 x external achievement standard, 5 x internal unit standards, total 25 credits.  
Term III school examinations.

**Course leads to:** Tertiary qualifications.

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# **FRENCH – YEAR 13**

**CODE: FRE**

**NZQA Qualifications:** NCEA Level 3 Achievement Standards.

**Prerequisites:**  
12 credits NCEA Level 2.

**Course Length:** Full year                      **Class hours per fortnight:** 8 hours                      **Homework hours per fortnight:** 4 hours

## **COURSE DESCRIPTION**

In line with the National French Curriculum the content for the senior school (Years 12 and 13) is based on a thematic approach. Through the study of a number of themes the students will be encouraged to extend and develop their ability to communicate in the four language skills. The vocabulary and structures are those of level 8 of the curriculum.

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Standard	Version	Title	Level	Credits	Internal or External
90558	1	Listen to and understand complex spoken French in less familiar contexts	3	6	External
90559	1	Give a prepared speech in French using complex language in a formal situation	3	3	Internal
90560	1	Engage in an extended conversation in French using complex language, in less familiar contexts	3	3	Internal
90561	1	Read and understand written French containing complex language, in less familiar contexts	3	6	External
90562	1	Write text in French using complex language, on a less familiar topic	3	3	External
90563	1	Produce crafted writing in French using complex language, with the support of resources	3	3	Internal

**Assessment:** 3 x Internal Achievement Standards, 3 x External Achievement Standards, total 24 credits. Term III School examinations.

**Course Leads to:** Tertiary qualifications.

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# JAPANESE – YEAR 13

CODE: JAP

**NZQA qualifications:** NCEA Level 3 Achievement Standards.

**Prerequisites:**

9 Credits NCEA Level 2 Japanese.

**Course length:** Full year                      **Class hours per fortnight:** 8 hours                      **Homework hours per fortnight:** 8 hours

**Special conditions:**

It is recommended that students purchase the NCEA Level 3 course booklet at approximately \$20.00.

**Field Trips:**

Possibly Japanese language study camp.

## COURSE DESCRIPTION

Year 13 is an integrated programme which provides a progressive development of language skills and cultural knowledge attained in Levels 1 to 7 of the Japanese curriculum (Years 9 to 12). Students will be encouraged to consolidate, extend and become more diverse in all four language skills, as well as deepening and extending their awareness of a variety of aspects of Japanese life. The vocabulary and grammar structures at this level of study will occur in extended conversations and written work based on Levels 7 to 8 of the Japanese curriculum. Through the study of four topics, and the revision of Year 12 topics, students will master the reading and writing of basic kanji and grammar points for the Level 3 achievement standards examination.

**Certificates:**

ALC Certificate Level 3.

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Standard	Version	Title	Level	Credits	Internal or External
90570	1	Listen and understand complex spoken Japanese	3	6	External
90571	1	Give a prepared speech in Japanese using complex language	3	3	Internal
90572	1	Extended conversation in Japanese using complex language	3	3	Internal
90573	1	Read and understand written Japanese complex language	3	6	External
90574	1	Write text in Japanese using complex language	3	3	External
90575	1	Produce crafted writing in Japanese using complex language	3	3	Internal

**Assessment:** 3 x internal achievement standards, 3 x external achievement standards, total 24 credits.  
Term III school examinations.

**Course leads to:** Tertiary qualifications.

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Te Reo Māori and Te Reo Rangatira standards fulfilling the literacy requirement for University Entrance. Literacy must be in either Te Reo Māori or English, it cannot be a combination of both.

## **TE REO MĀORI – Year 13**

**CODE: MAO**

**NZQA Qualifications:** NCEA Level 3 Achievement Standards.

**Prerequisites:**

12 Credits at NCEA Level 2 Te Reo Māori.

<b>Course Length:</b>	Full year	<b>Class hours per fortnight:</b>	8 hours	<b>Homework hours per fortnight:</b>	6 hours
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**Special Conditions:**

- Students require a Māori Dictionary and approximately \$15.00 for speech competitions.
- Word Perfect Online Vocabulary \$15.00.

**Field Trips:**

Regional and National Speech Competitions, Curriculum topic Marae Stay.

### **COURSE DESCRIPTION**

The course aims to cultivate Wairua Māori and increase student enjoyment in using te reo Māori. Students will develop a sensitivity and respect for Te Ao Māori and Tikanga Māori. Students are expected to research and be able to express, expound and justify their thoughts on Te Ao Māori and Tikanga Māori subjects.

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Standard	Version	Title	Level	Credits	Internal or External
90542	2	Whakarongo – i te reo o te ao whānui – listening assessment	3	4	Internal
90543	1	Kōrero – i te reo o te ao whānui – speaking assessment	3	6	Internal
90781	1	Pānui kia whai māramatanga i te reo o te ao whānui – reading assessment	3	3	External
90782	1	Whakaoti tuhinga okawa i te reo o te ao whānui – writing assessment	3	4	External
90783	1	Hanga tuhinga auaha i te reo o te ao whānui – writing assessment	3	4	Internal
90784	1	Pānui kia wetewete i te reo o te ao whānui – reading assessment	3	3	External
<b>Assessment:</b>		3 x Internal Achievement Standards, 3 x External Achievement Standards, total 24 credits. Term III School examinations.			
<b>Course Leads to:</b>		Tertiary qualifications.			

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# **MEDIA STUDIES – YEAR 13**

**CODE: MED**

**NZQA Qualifications:** NCEA Level 3 Achievement Standards.

**Prerequisites:**

NCEA Level 2 English 14 credits.

**Course length:** Full year      **Class hours per fortnight:** 8 hours      **Homework hours per fortnight:** 4 hours

**Field Trips:**

- Taupo Times, two days
- Radio network/More FM, one day
- 'Censor for a Day' trip to Tauranga (cost to be advised).

**COURSE DESCRIPTION**

Media Studies focuses on learning about the modern media we encounter every day. It will teach students to discuss and analyse both the medium and message. It will teach students to look at film, television, newspaper, magazine and radio and their efforts on society today.

Students considering Media Studies could be on a career pathway to journalism, public relations, communications, human resource, design work.

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Standard	Version	Title	Level	Credits	Internal or External
10828	1	Write a variety of stories for print	3	5	Internal
90600	2	Talking pictures	3	4	Internal
90604	1	Justify a concept	3	2	Internal
90606	1	Newspaper spread production	3	6	Internal
90779	1	Generic investigation of media in New Zealand	3	4	Internal
			Total	21	

**Assessment:** 4 x internal achievement standards, 1 x internal unit standard, total 21 credits.  
Term III school examinations.

**Course leads to:** University media studies.

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# MATHEMATICS FACULTY

## CALCULUS – Year 13

CODE: MWC

**NZQA Qualifications:** NCEA Level 3 Achievement Standards.

**Prerequisites:**

At least 13 Level 2 credits that must include 90284 (2.1), 90285 (2.2), 90286 (2.3).

<b>Course Length:</b>	Full year	<b>Class hours per fortnight:</b>	8 hours	<b>Homework hours per fortnight:</b>	5 hours
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**Special Conditions:**

It is recommended that students purchase a Casio FX 9750GA Plus graphics calculator, approximately \$115.00, and a Nulake workbook 'Maths with Calculus' approximately \$20.00.

### COURSE DESCRIPTION

This course is based on Level 8 of Mathematics in the New Zealand Curriculum. It is designed for students who have coped comfortably with Level 2 Mathematics Achievement Standards. Topics covered are Algebra, Trigonometry, Differentiation, Integration, Complex numbers and Differential Equations.

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Standard	Version	Title	Level	Credits	Internal or External
90635	2	Differentiation	3	6	External
90636	2	Integration	3	6	External
90637	2	Trigonometric functions	3	4	Internal
90638	2	Real and complex numbers	3	5	External
90639	3	Conics	3	3	External

**Assessment:** 1 x internal achievement standards, 4 x external achievement standards, total 24 credits  
Term III school examinations.  
A number of equivalent Unit Standards may be offered throughout the year.

**Course Leads to:** Tertiary level courses in Mathematics. A knowledge of Mathematics with Calculus is required for tertiary level courses in science, engineering, architecture, economics, psychology and medicine.

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# **STATISTICS and MODELLING – Level 3**

**CODE: MWS**

**NZQA Qualifications:** NCEA Level 3 Achievement Standards.

## **Prerequisites:**

Recommendation from teacher of Level 2 Mathematics and satisfactory record of achievement from the three Level 2 internal achievement standards as well as Level 1 algebra unit standards or achievement standards.

**Course length:** Full year      **Class hours per fortnight:** 8 hours      **Homework hours per fortnight:** 6 hours

## **Special conditions:**

It is recommended that students purchase a Casio FX 9750GA Plus graphics calculator approximately \$115.00, and a Sigma Level 3 Statistics workbook approximately \$20.00.

## **COURSE DESCRIPTION**

The course covers an introduction to probability theory and to the analysis of data. The latter makes extensive use of Excel spreadsheet software. The course is assessed through Level 3 achievement standards. Entry for the external achievement standards is dependent on passing the appropriate formative assessment.

This course is accessible for students from 12 Mathematics 01 and 12 Mathematics 02 who have a satisfactory record of learning.

The two internal assessments are statistical reports thus requiring a high level of literacy.

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Standard	Version	Title	Level	Credits	Internal or External
90641	2	Time series	3	3	Internal
90642	2	Confidence Intervals	3	3	External
90643	2	Probability	3	4	External
90644	2	Solve equations	3	4	External
90646	2	Probability distributions	3	4	External
90647	3	Curve fitting	3	3	Internal

**Assessment:** 2 x internal achievement standards, 3 or 4 x external achievement standards, total 17 or 21 Level 3 credits.  
Term III school examinations.

**Course leads to:** University study in a wide range of areas that require statistical analysis of data.

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# HEALTH & PHYSICAL EDUCATION FACULTY

## PHYSICAL EDUCATION – YEAR 13

CODE: PED

NZQA qualifications: NCEA Level 3 Achievement Standards.

### Prerequisites:

Recommendation by your Year 12 Physical Education teacher or entry at the discretion of the Head of Faculty, Health & Physical Education, if you have not taken this subject before.

<b>Course length:</b>	Full year	<b>Class hours per fortnight:</b>	8 hours	<b>Homework hours per fortnight:</b>	4 hours
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### Special conditions:

It is recommended that students purchase the Year 13 PE student handbook \$15.00.

Extra costs include outdoor education camp, half marathon entry fee, and some minor costs to local facilities.

### COURSE DESCRIPTION

This course is 100% internally assessed with a 50/50 practical/theory aspect. It is made up of four modules:

- **Healthy Lifestyles Project**  
Students choose a case study within the community and endeavour to promote physical activity.
- **Just Do It + Review It**  
Students design and implement their own personal exercise programme for the Mizuno Half Marathon. Includes fitness testing, principles of training, methods of training, anatomy and class training sessions.
- **Coaching**  
After a series of swimming lessons, students coach a Year 9 student in the basic skills of freestyle swimming techniques. Includes skill analysis, motor skill learning, biomechanics, producing a power point presentation.
- **Mizuno Half Marathon**  
Students are assessed in running 4 km, 11 km and the Mizuno Half Marathon programme.

Standard	Version	Title	Level	Credits	Internal or External
90739	2	Apply knowledge to plan a physical activity or programme or experience. (Plan half marathon training programme)	3	3	Internal
90740	3	Explain with evidence the effectiveness of a physical activity programme and its influence on well being. (Half marathon log book)	3	3	Internal
90741	2	Appraise performance, plan and evaluate a programme for performance improvement for self or others. (Coach Year 9 students to swim)	3	5	Internal
90742	2	Perform a physical activity to nationally developed performance standards. (Enter Mizuno half marathon)	3	4	Internal
90744	2	Examine physical activity and take action to influence the participation of others. (Plan a healthy lifestyle programme – case study).	3	5	Internal

**Assessment:** 5 x internal achievement standards, total 20 credits.  
Term III school examinations.

**Course leads to:** Tertiary qualifications (university or polytechnic).

**Students can do**  
PE and High Performance Programme (HPP)  
**OR**  
PE and Services Preparation.  
**Students cannot do**  
PE and Sport & Outdoor Education  
or HPP and Services Preparation.

# **SPORT AND OUTDOOR EDUCATION – YEAR 13**

**CODE: SOE**

- NZQA qualifications:**
- National Award in Outdoor Recreation
  - First Aid Certificate
  - Unit standards.

**Prerequisites:**

- Successful applicants will be expected to be physically fit and willing and able to participate in a number of different activities.
- Successfully completed Year 12 Sport and Outdoor Education or Year 12 Physical Education, or at the discretion of Head of Faculty, Health and Physical Education.

<b>Course length:</b>	Full year	<b>Class hours per fortnight:</b>	16 hours	<b>Homework hours per fortnight:</b>	2 hours
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**Special conditions:**

- Students are expected to go on several field trips throughout the year which are designed to incorporate relevant unit standards. This could involve day and/or overnight.
- Subject charges will be supported by STAR funding but will also include extra costs of approximately \$200 for low and high ropes course, army training, surfing and rafting lessons.

**COURSE DESCRIPTION**

This course caters for students with a genuine interest in sport and the outdoors. The programme will introduce students to sport coaching, management and first aid, as well as outdoor recreational activities. There are core Unit Standards required for the National Coaching award along with other unit standards that will be offered. A range of sporting activities and outdoor pursuits will be included in this course in support of these, including sport psychology, sports nutrition, rafting and adventure based learning.

Standard	Version	Title	Level	Credits	Internal or External
470	5	Demonstrate personal and social development through participation in low ropes course activities	2	3	Internal
473	6	Demonstrate personal and social development through participation in high ropes course activities	2	3	Internal
6400	3	Manage first aid in emergency situations	3	2	Internal
6401	3	Provide first aid	2	1	Internal
6402	5	Provide resuscitation Level 2	1	1	Internal
12544	4	Apply psychological skills to physical activity	2	3	Internal
90742	2	Perform a physical activity to nationally developed performance standards	3	4	External
20673	2	Demonstrate knowledge of injury prevention and risk and injury management in sport or recreation	2	4	Internal
13350	4	Apply knowledge of nutrition to physical activity needs	2	3	Internal
22768	2	Conduct and review a beginner level coaching session	3	6	Internal
22771	2	Plan a beginner level coaching session for sport participants	3	4	Internal
485	7	Demonstrate rafting skills on sheltered or slow-moving water	2	3	Internal
13353	3	Demonstrate knowledge and skills in an outdoor pursuit activity	3	3	Internal
427	7	Cross rivers	3	2	Internal

**Assessment:** 1 x achievement standard, 4 credits.  
13 x internal unit standards, 38 credits. Total 42 credits.  
Term III school examinations.

**Course leads to:**

- Tertiary studies in the recreation, sport and fitness industry.
- A career in sport or outdoor activities

<p style="text-align: center;"><b>Students can do</b> PE <u>and</u> High Performance Programme (HPP) <b>OR</b> PE <u>and</u> Services Preparation.</p> <p style="text-align: center;"><b>Students cannot do</b> PE <u>and</u> Sport &amp; Outdoor Education or HPP <u>and</u> Services Preparation.</p>
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# **HIGH PERFORMANCE PROGRAMME – YEAR 13**

**CODE: HPP**

**NZQA qualifications:** Unit Standards.

**Prerequisites:**

- Students will be chosen for this course via an application to the Teacher in Charge and may be currently performing at a high sporting level and have an excellent attitude. They must be physically fit, as well as willing and able to participate in a number of different activities.
- Successfully complete Year 12 High Performance Programme.

<b>Course length:</b>	Full year	<b>Class hours per fortnight:</b>	8 hours	<b>Homework hours per fortnight:</b>	2 hours
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**Special conditions:**

Students are expected to go on some field trips throughout the year, which are designed to enrich and inspire them. This could involve day and/or overnight.

**Field trips/activities:**

Pilates and gym sessions will incur a charge of approximately \$100.00. Field trips may include extra costs for transport of approximately \$50.00.

## **COURSE DESCRIPTION**

Sport can be a professional and recognised career and this course is geared towards such people. It caters for students who are excelling in their chosen sporting endeavours and wish to future develop their ability to reach full potential. The programme will introduce students to weight training, core strength, goal setting, nutrition, psychology, how to write a training programme and the problems associated with drugs in sport. Other topics will also be covered, as or when required by the individual.

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Standard	Version	Title	Level	Credits	Internal or External
17627	1	Monitor and interpret responses to training in sport	3	3	Internal
22265	1	Demonstrate knowledge of exercise prescription	3	7	Internal
90742	4	Perform a physical activity to nationally developed performance standards	3	4	Internal
5366	4	Apply the basic principles of applied sport psychology	4	6	Internal

**Assessment:** 3 x internal unit standards, 16 credits.  
1 x achievement standard, 4 credits, total 20 credits.  
Term III school examinations.

**Course leads to:**

- A career in sport or sport related activities.
- Tertiary studies in the recreation, sport and fitness industry.

<p style="text-align: center;"><b>Students can do</b> PE <u>and</u> High Performance Programme (HPP) <b>OR</b> PE <u>and</u> Services Preparation.</p> <p style="text-align: center;"><b>Students cannot do</b> PE <u>and</u> Sport &amp; Outdoor Education or HPP <u>and</u> Services Preparation.</p>
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# SERVICES PREPARATION – YEAR 13

CODE: SP

- NZQA qualifications:** NCEA Level 3
- Achievement Standards.
  - Unit Standards.

**Prerequisites:**

Physically and mentally prepared to accept the challenges presented throughout the year.

<b>Course length:</b>	Full year	<b>Class hours per week:</b>	4 hours	<b>Homework hours per week:</b>	2 hours
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**Special conditions:**

Students will need to go on field trips to visit places of work. This will involve day trips and may involve overnight stays, all planned to integrate the standards being taught.

**Field trips:**

Costs of approximately \$150 will be required to visit the various camps, bases and stations of the different services.

**COURSE DESCRIPTION**

This course is to provide an introduction to life in the services (Army, Navy, Air Force, Police and Fire). It is a motivating and disciplined programme to also help students develop as young adults. Areas to be developed include:

- Self confidence
- Self pride
- Personal fitness
- Communication skills
- Teamwork and leadership.

Topics taught will include:

- Roles, responsibilities and career paths of each service
- Rank structures
- Services history and core values
- Basic drill and personal presentation
- Fitness and leadership activities
- Time management
- First aid
- Being a New Zealand citizen compared to the cultural differences in the wider world.

Standard	Version	Title	Level	Credits	Internal or External
1304	7	Communicate with people from other cultures	3	2	Internal
12349	3	Demonstrate knowledge of time management	2	3	Internal
24110	1	Describe selected Corps within the New Zealand Army	2	2	Internal
26551	1	Provide first aid for life threatening conditions	2	1	Internal
26552	2	Demonstrate knowledge of common first aid conditions and how to respond to them	2	1	Internal
17628	2	Describe how to develop and/or maintain fitness in training for performance in sport	2	2	Internal
2.4	1	Perform a physical activity in an applied setting	2	4	Internal
2.7	1	Demonstrate understanding of the application of risk management strategies to a challenging outdoor activity	2	3	Internal

**Assessment:**

**Course leads to:** A possible career in one of the services, further educational opportunities and successful entry into the workforce.

**Students can do**  
 PE and High Performance Programme (HPP)  
**OR**  
 PE and Services Preparation.

**Students cannot do**  
 PE and Sport & Outdoor Education  
 or HPP and Services Preparation.

# DRIVER EDUCATION – YEAR 13

CODE: DRI

**NZQA qualifications:** NCEA Level 1 – 2 – 3 Unit Standards.

**Prerequisites:**

Preferably Restricted Licence, but at least Learners by prior arrangement.

<b>Course length:</b>	Full year	<b>Class hours per fortnight:</b>	8 hours	<b>Homework hours per week:</b>	2 hours
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**Special conditions:**

Students need to be in a position to take practical driving lessons during class time. The use of a suitable vehicle and fees are covered by the school.

**Total cost:**

The student will need to cover licence fees (Learners/Restricted and Full). All other costs are covered by the school.

**Field trips:**

First Aid course, ATV course.

## COURSE DESCRIPTION

The course consists of many Unit Standards that students will work through in the classroom situation. On a regular rotation each student will participate in at least five practical driving lessons with a qualified driving instructor. On occasions there will be a group driving skill events. As part of the course students will have the opportunity to participate in All Terrain Vehicle training.

Students with an interest in any career requiring driving will have a big advantage by having this in their CV.

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Standard	Version	Title	Level	Credits	Internal or External
2990	5	Read texts to research information	3	4	Internal
3462	5	Demonstrate knowledge of traffic law for the purpose of safe driving	2	3	Internal
3464	5	Describe human risk factors in terms of a self-management strategy for a driver.	2	3	Internal
3465	5	Describe driving hazards and risk reduction strategies and responses to driving hazards.	2	3	Internal
3469	5	Apply control in driving a light motor vehicle	2	2	Internal
3470	6	Execute low speed manoeuvres in a light motor vehicle	2	1	Internal
6401	4	Provide first aid (8896.09)	2	1	Internal
17458	4	Demonstrate knowledge of light motor vehicle systems and components	2	2	Internal
17563	3	Demonstrate knowledge of the New Zealand Graduated Driver Licensing System (GDLS)	2	3	Internal
17677	3	Demonstrate knowledge of safe night driving	2	2	Internal

**Assessment:** 10 x internal unit standards, 24 credits.

**Course leads to:** Skills that will enable the student to pursue a career in the driving industry.

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# SCIENCE FACULTY

## BIOLOGY – YEAR 13

CODE: BIO

**NZQA Qualifications:** Achievement Standards.

**Prerequisites:**

11 credits from level 2 achievement standard biology with at least 4 external achievement standard credits.

12 credits from level 2 English.

Consideration will be given to students who have not completed a Level 2 biology course based on their overall Level 2 attainment.

<b>Course Length:</b>	Full year	<b>Class hours per fortnight:</b>	8 hours	<b>Homework hours per fortnight:</b>	6 hours
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**Special Conditions:**

It is recommended that students purchase a course manual at approximately \$30.00.

**Field Trips:**

Day trip to Hamilton Zoo at a cost of approximately \$25.00.

### COURSE DESCRIPTION

This course is aimed at students who wish to study biology in greater depth, and also wish to develop skills which will be important in studying biology at tertiary level.

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Standard	Version	Title	Level	Credits	Internal or External
90713	2	Carry out a practical investigation into as aspect of an organism's ecological niche with guidance	3	4	Internal
90715	2	Describe gene expression	3	4	External
90716	2	Describe plant responses and animal behaviour to environmental factors	3	4	External
90717	2	Describe speciation and patterns of evolution	3	3	External
90718	2	Describe applications of biotechnological techniques	3	3	Internal
90719	2	Describe trends in human evolution using scientific evidence	3	3	External

**Assessment:** 2 x internal achievement standards, 4 x external achievement standards, total 21 credits.  
Term III school examinations.

**Course leads to:** Tertiary study.

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# CHEMISTRY – YEAR 13

CODE: CHE

- NZQA qualifications:**
- Achievement Standards.
  - Unit Standards.

**Prerequisites:**

14 credits from Level 2 achievement standard science.

14 credits from Level 2 mathematics.

<b>Course length:</b>	Full year	<b>Class hours per fortnight:</b>	8 hours	<b>Homework hours per fortnight:</b>	5 hours
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**Special conditions:**

It is recommended that students purchase a write-on manual at approximately \$30.00.

**Field Trips:**

These may be discussed and planned across the year as appropriate.

## COURSE DESCRIPTION

This is a general level 3 NCEA chemistry course which builds on the knowledge developed at level 2 so that students can explain the interaction of chemical processes with people and the environment. The skills gained at level 2 will be used to obtain and interpret data from qualitative investigations into the amount of substance in certain products. We are offering a total of five achievement standards and one unit standard (5 credits). Of the five achievement standards one is internally assessed (2 credits) and four are externally assessed.

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Standard	Version	Title	Level	Credits	Internal or External
6344	4	Investigate the characteristic properties and reaction of organic substances	3	5	Internal
8948	3	Calculate the enthalpy change associated with chemical reactions	3	2	Internal
90695	2	Determine concentration of an oxidant or reductant by titration	3	2	Internal
90696	2	Describe oxidation reduction processes	3	3	External
90698	2	Describe aspects of organic chemistry	3	5	External
90700	2	Use equilibrium principles to describe aqueous solutions	3	5	External
90780	1	Describe properties of particles and thermochemical principles	3	5	External

Please Note – students will complete either AS 90698 or US 6344, not both.

**Assessment:** 1 x internal achievement standard, 1 x internal unit standard, 4 x external achievement standards, total 20 credits.  
Term III school examinations.

**Course leads to:** Tertiary study.

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# **PHYSICS – YEAR 13**

**CODE: PHY**

**NZQA qualifications:** Achievement Standards.

**Prerequisites:**

14 credits from level 2 achievement standard physics.

14 credits from level 2 mathematics.

<b>Course length:</b>	Full year	<b>Class hours per fortnight:</b>	8 hours	<b>Homework hours per fortnight:</b>	3 hours
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**Special conditions:**

It is recommended that students purchase a write-on manual at approximately \$25.00 per book.

A scientific calculator is required for this course.

**Field Trips:**

These may be discussed and planned across the year as appropriate.

## **COURSE DESCRIPTION**

This is a general Level 3 NCEA physics course for students intending to work or study in a physics-related field such as engineering, architecture, games design, radiotherapy, medicine, military training. Students study mechanics – linear, circular, rotational and simple harmonic motion; waves – the Doppler effect, interference, resonance; nuclear physics – nuclear decay, the photoelectric effect, nuclear fission and fusion, the wave/particle duality of light. Students complete an internally assessed practical assessment in Term I.

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Standard	Version	Title	Level	Credits	Internal or External
90520	2	Demonstrate understanding of wave systems	3	4	External
90521	3	Demonstrate understanding of mechanical systems	3	6	External
90522	3	Demonstrate understanding of atoms, photons and nuclei	3	3	External
90774	1	Carry out a practical physics investigation with guidance	3	5	Internal

**Assessment:** 1 x internal achievement standards, 3 x external achievement standards, total 18 credits.  
Term III school examinations.

**Course leads to:** Tertiary study.

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# SOCIAL SCIENCES FACULTY

## ACCOUNTING – YEAR 13

CODE: ACC

**NZQA qualifications:** NCEA Level 3 Achievement Standards.

**Prerequisites:**

14 or more credits at Level 2 NCEA Accounting or in consultation with TIC Accounting.

<b>Course length:</b>	Full year	<b>Class hours per fortnight:</b>	8 hours	<b>Homework hours per fortnight:</b>	4 hours
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**Special conditions:**

It is recommended that students purchase four workbooks at approximately \$6.00 per book.

### COURSE DESCRIPTION

Students wishing to study business, commerce or law at tertiary level will benefit from Year 13 Accounting, as will those wishing to take up employment in an accounting type job. The content of the course includes:

- Formation of new partnerships and companies.
- Reporting financial information and the study of Financial Reporting Standards.
- Management accounting for decision making.
- Analysis and interpretation of company annual reports.
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Standard	Version	Title	Level	Credits	Internal or External
90500	2	Describe and apply conceptual basis of accounting for business entities	3	4	External
90501	2	Process information for partnerships and/or companies	3	3	External
90503	2	Report financial information for partnerships and/or companies	3	6	External
90504	2	Analyse and interpret a company's financial report for external users	3	5	Internal
90505	2	Explain and prepare information for management decision making	3	3	External

**Assessment:** 1 x internal achievement standards, 4 x external achievement standards, total 21 credits. Term III school examinations.

**Course leads to:** Tertiary qualifications.

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# **ECONOMICS – YEAR 13**

**CODE: ECO**

**NZQA Qualifications:** NCEA Level 3 Achievement Standards.

**Prerequisites:**

By negotiation with the Teacher in Charge, Economics.

<b>Course length:</b>	Full year	<b>Class hours per fortnight:</b>	8 hours	<b>Homework hours per fortnight:</b>	5 hours
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**Special conditions:**

It is recommended that students purchase an economics workbook at approximately \$22.00.

## **COURSE DESCRIPTION**

This course is designed for students with a genuine interest in the workings of the economy and in how firms operate. The content of this course is good preparation for students who are going to study business or management studies at tertiary level. Economics can also be studied as part of a science, arts or law degree.

- 1. Microeconomics** – This looks in-depth at firms and decisions made by firms to maximize their profits. This part of the course also looks at different market structures that exist in the New Zealand economy. The concept of the market is studied and how the market reacts to change. The course also examines how and why markets sometimes fail and also what the government can do to intervene to correct for the failure.
- 2. Macroeconomics** – This looks at the New Zealand economy, covering topics such as economic growth, inflation and trade. It is always very topical as there are daily economic events occurring in the world that impact on the prices we pay for goods and the incomes we will earn. It builds on the content of Year 12 Economics.

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Standard	Version	Title	Level	Credits	Internal or External
90629	2	Understand marginal analysis and the behaviour of firms	3	5	External
90630	2	Describe an economic problem, allocative efficiency and market response to change	3	4	External
90631	2	Describe market failure and government interventions to correct for market failure	3	4	External
90632	2	Describe and illustrate aggregate economic activity	3	6	External
90778	1	Collect, process and carry out an economic analysis	3	5	Internal

**Assessment:** 1 x internal achievement standard, 4 x external achievement standards, maximum total 24 credits.  
Term III school examinations.

**Course leads to:** Tertiary study.

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# ENTERPRISE STUDIES – YEAR 13

CODE: EST

- NZQA qualifications:**
- NCEA credit Equivalent – Level 3.
  - Unit Standards – Level 3.

**Prerequisites:**

NCEA Level 1 (including numeracy and literacy) and approval by the teacher in charge.

<b>Course length:</b>	Full year	<b>Class hours per fortnight:</b>	8 hours	<b>Homework hours per fortnight:</b>	3 1/2 hours
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**Special conditions:**

It is recommended that students pay the following costs:

- Study guide \$15.00
- Registration per student for Young Enterprise \$15.00
- Young Enterprise examination entry \$25.00.

**Field Trips:**

- E-day in Rotorua in February/March, approximately \$20.00.
- Travel to regional and national awards ceremonies if applicable (cost to be advised).

## COURSE DESCRIPTION

Enterprise Studies is a learning experience in which you will form a company; become a director and develop products and services, which you market and sell. Enterprise studies is school based and teaches skills in budgeting, planning, interpersonal relations, decision making, reporting, communications; risk management and teamwork.

Enterprise studies students:

- Learn how to run a business
- Learn the value of being enterprising
- Add value to school based knowledge
- Develop a 'can do' attitude
- Learn to take and manage risks.

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Standard	Version	Title	Level	Credits	Internal or External
<b>Level 3 Unit Standards</b>					
22862		Plan for ongoing complex business activity	3	4	Internal
22863		Carry out a planned ongoing complex business activity	3	8	Internal
<b>NCEA Credit Equivalents</b>		Young Enterprise Certificate:			
		• Course completion	3	10	Internal
		• Young enterprise exam pass	3	14	External
<b>Assessment:</b>		2 x unit standards, 12 credits or Young Enterprise Certificate. The maximum credits obtainable from this course are 26. <b>Note:</b> The Young Enterprise Certificate qualifies for university entrance.			
<b>Course Leads to:</b>		<ul style="list-style-type: none"><li>• Business ownership and management.</li><li>• Tertiary study in business.</li></ul>			

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# **GEOGRAPHY – YEAR 13**

**CODE: GEO**

**NZQA qualifications:** NCEA Level 3 Achievement Standards.

**Prerequisites:**

- Students need not have taken Geography at Years 11 or 12 but it is a definite advantage.
- A minimum of 16 achievement standard credits in Level 2 English or Geography, which must be a combination of internal and external standards, or by negotiation with the Teacher in Charge, Geography.

**Course length:** Full year                      **Class hours per fortnight:** 8 hours                      **Homework hours per fortnight:** 6 hours

**Special conditions:**

Fieldwork will be undertaken in the local area and this will involve some costs for transport, approximately \$50.00.

**COURSE DESCRIPTION**

Geography at this level is varied and stimulating. It involves students in theoretical and practical studies of –

1. Natural processes that operate upon the landscape (such as fluvial and volcanic processes) with special emphasis on our local area. This gives the student an excellent understanding of the environment they live in.
2. Geographic skills and ideas.
3. Role of geography in planning and decision making as applied to the urban environment. Students concentrate on local issues to see how this process operates.
4. A geographic investigation.
5. A contemporary geographical issue.
6. A global pattern and the significance of this on people.

Students will develop a large range of skills and learn how to apply these in various contexts. This subject is an accepted pre-requisite for a broad range of tertiary courses.

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Standard	Version	Title	Level	Credits	Internal or External
90701	2	Analyse natural processes in the context of a geographical environment	3	4	External
90703	2	Explain the contribution of geography to planning and decision making processes	3	3	Internal
90704	2	Select and apply skills in a geographical context	3	4	External
90705	2	Carry out substantive geographic research	3	3	Internal
90706	2	Analyse a contemporary geographic issue and evaluate courses of action	3	3	Internal
90707	2	Analyse a geographical topic at a global scale	3	3	Internal

**Assessment:** 4 x internal achievement standards, 2 x external achievement standards, total 20 credits.  
Term III school examinations.  
Term IV NCEA examinations.

**Course leads to:** Tertiary qualifications.

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# **CLASSICAL STUDIES – YEAR 13**

**CODE: CLA**

**NZQA qualifications:** Achievement Standards.

**Prerequisites:**

At least 14 credits at Level 2, including 5 credits in writing and 5 credits in reading from English and/or History. The ability to write essays is an advantage.

<b>Course length:</b>	Full year	<b>Class hours per fortnight:</b>	8 hours	<b>Homework hours per fortnight:</b>	5 hours
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**Special conditions:**

It is recommended that students purchase the Greek Vase and Aeneid workbooks. The approximate cost is \$20.

## **COURSE DESCRIPTION**

A selection from:

1. Greek vase painting
2. Aristophanes' comedies
3. Life and career of Alexander the Great
4. Virgil's Aeneid, especially Books 1, 2, 4, 6.

The Classical Studies course looks at a range of disciplines: Ancient literature, History and Art History, Greek mythology is an integral part of the course but both Roman and Greek topics are studied.

**Please Note:**

- All literature and other written material used are English translations.
- Brief background studies of Greek and Roman mythology and history are included.

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Standard	Version	Title	Level	Credits	Internal or External
90511	3	Examine and analyse passages from works of classical literature	3	6	External
90512	2	Explain works of classical art	3	6	External
90513	2	Explain in essay format an aspect of the classical world	3	6	External
90514	2	Complete independent research on an aspect of classical studies	3	6	Internal

**Assessment:** 1 x internal achievement standard, 3 x external achievement standards, total 24 credits. Term III school examinations.

**Course leads to:** Tertiary qualifications.

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# **HISTORY – YEAR 13**

**CODE: HIS**

**NZQA qualifications:** NCEA Level 3 Achievement Standards.

## **Prerequisites:**

Students need not have taken History in Years 11 or 12, but need to be able to read in depth, complex material. They must be able to write in a clear, logical and well constructed way, formal essays of 800 to 1200 words in length. A minimum of 16 Level 2 credits in History or English is required, including essay writing standards, 90469 or 90470 or 90375 or 90376 or 90378.

<b>Course length:</b>	Full year	<b>Class hours per fortnight:</b>	8 hours	<b>Homework hours per fortnight:</b>	6 hours
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## **COURSE DESCRIPTION**

The course work is divided into four areas:

### **1. Maori Pakeha relations in the Nineteenth Century**

Meet remarkable figures like Hongi Hika, cannibal, warrior and family man who met King George IV of England; General Duncan Cameron, British soldier who led his troops to defeat in the Waikato; George Grey, Governor of New Zealand, who swung between favouring Maori and attempting to take away their land; as well as missionaries, sealers, whalers and traders who lived in the bawdy, bustling brothel town of Kororareka, the first capital of New Zealand.

### **2. Economic and political change**

Read about the annexation of New Zealand by the British and New Zealand's move towards the creation of provinces; massive migration of Europeans to New Zealand; the development of industries like gold, farming and timber; the collapse of New Zealand in the long depression of the 1880's; and it's rise again through the social policies of the Liberal Government led by men like 'King' Dick Seddon, James Carroll and 'Wild' John McKenzie.

### **3. Society and attitudes**

Learn how New Zealand began to be settled by other groups like Scandinavians, Dalmatians and Chinese; the role of women among the life of the settlers; the issues of feminism, alcohol – the demon drink, and votes for women; and the work of people like Kate Sheppard.

### **4. Research topics**

This component is internally assessed and comprises 9 credits. Different topics are chosen from year to year.

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Standard	Version	Title	Level	Credits	Internal or External
90654	2	Plan and carry out historical research	3	4	Internal
90655	2	Analyse an historical event	3	5	Internal
90656	2	Analyse and evaluate evidence in historical sources	3	5	External
90657	2	Examine a significant decision made by people in history	3	5	External
90658	2	Examine a significant issue in the context of change	3	5	External

**Assessment:** 2 x internal achievement standards, 3 x external achievement standards, total 24 credits and scholarship examination.  
Term III school examinations.

**Course leads to:** Tertiary qualifications.

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# TOURISM – YEAR 13

CODE: TOU

NZQA qualifications: NCEA Level 2/3 Unit Standards.

## Prerequisites:

- Year 12 Tourism, or
- At least 9 literacy credits in achievement standards or unit standards in Year 12 English or Geography.

**Course length:** Full year      **Class hours per fortnight:** 8 hours      **Homework hours per fortnight:** 4 to 6 hours

## Special conditions:

- Course supported by STAR funding.
- Some field work may be undertaken which could involve some transport or accommodation costs.

## Field trips:

Optional – South Island trip (cost to be advised).

## COURSE DESCRIPTION

This is a four period high pressure course for those students taking other University Entrance subjects. The focus will be on specific world destinations, impacts of tourism on the environment, the role of tourism in New Zealand and cultural sensitivities within the tourism industry.

Students intending to go on to the tourism tertiary colleges will be able to cross-credit some of the unit standards, thus reducing tertiary course fees.

Students intending to go to university may use this course as entrance if they achieve 14 or more Level 3 credits in the domain – Travel.

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Standard	Version	Title	Level	Credits	Internal or External
3727	6	Demonstrate knowledge of Pacific Island countries as tourist destinations	3	8	Internal
18211	2	Demonstrate knowledge of Australia as a tourist destination	3	8	Internal
18238	2	Demonstrate knowledge of the tourism industry in New Zealand	3	5	Internal
23758	1	Dealing with international customers	3	3	Internal
24725	1	Describe and analyse the economic significance of tourism	3	4	Internal
24733	1	Describe and promote a New Zealand tourist destination	3	4	Internal

**Assessment:** 6 x internal unit standards, total 32 credits.  
Term III school examinations.

**Course leads to:**

- Tertiary studies in tourism and travel at polytechnic/university
- Career opportunities within the tourism/travel industry
- Bachelor of Tourism / Event Management – Waikato/Otago Universities.

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# TECHNOLOGY FACULTY

## DESIGN & VISUAL COMMUNICATION – YEAR 13

CODE: DVC

**NZQA qualifications:** NCEA Level 3 Achievement Standards.

### **Prerequisites:**

It is preferable for a student to have taken this subject in Years 11 and 12.

<b>Course length:</b>	Full year	<b>Class hours per fortnight:</b>	8 hours	<b>Homework hours per fortnight:</b>	4 hours
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### **Special conditions:**

- Students must supply their own pencils, draughting and compass set.
- Subject charge \$35.00. This covers the cost of the take home materials used in the course and limited colour photocopying and printing.

### **COURSE DESCRIPTION**

The course is designed to provide a variety of realistic design and drawing experiences that are challenging, creative and enjoyable. These experiences draw on students' interests and cultural backgrounds. Students have extensive access to computer aided design (CAD) and are encouraged to use this throughout project designs.

This course is intended for students interested in design as a means to develop their own visual communication skills and particularly as an intended pathway towards further tertiary study and career in design.

The course is a full achievement standard course and is a combination of internal achievement standards and external achievement standards.

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Standard	Version	Title	Level	Credits	Internal or External
90734	2	Develop a design solution to a negotiated brief using specialised graphics knowledge	3	5	External
90735	2	Present a design solution using specialised graphics knowledge that communicates design ideas	3	4	External
90736	2	Develop and present a solution to an architectural or environmental brief	2	5	Internal
90737	2	Develop and present a solution to an engineering or technological design brief	2	5	Internal
90738	2	Develop and present a solution to a media or technical illustration design brief	2	5	Internal

**Assessment:** 3 x internal achievement standards, 2 x external achievement standards, total 24 credits.

**Course leads to:** Tertiary qualifications, Polytechnic, University  
Careers in design related field

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# DIGITAL TECHNOLOGY (01) – YEAR 13

CODE: DT1

**NZQA qualifications:** NCEA Level 3  
National Certificate in Computing Level 3

- Achievement Standards.
- Unit Standards.

**Prerequisites:**

Requires a minimum of 8 credits from NCEA Level 2 Digital Technologies.

<b>Course length:</b>	Full year	<b>Class hours per fortnight:</b>	8 hours	<b>Homework hours per fortnight:</b>	6 hours
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**Special conditions:**

As there is no subject charge, printing costs are to be met by students.

## COURSE DESCRIPTION

This course builds students skills in Word Processing, Spreadsheets, Power Point, Web Design and Database communication, Computer Functions, Information Sources, Numeracy, and Application of Design Principles. An integrated project requires students to work directly with a client to apply ICT skills to solve technological issue/opportunity/problem gaining credits in NCEA achievement standards. An opportunity exists to assess the skills area by the way of Level 2 unit standards.

The course has much hands-on experience using common computer applications.

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Standard	Version	Title	Level	Credits	Internal or External
2785	6	Create a computer spreadsheet to provide a solution for organisation use	3	5	Internal
2787	6	Produce a computer flat file database to provide solutions for organisation use	3	5	Internal
2789	6	Produce desktop published documents for organisation use	3	5	Internal
5947	6	Problem Solving	3	3	Internal
112	5	Produce Information using Word Processing Functions	3	5	Internal
90613	1	Develop a conceptual design to address a client issue	3	6	Internal
90620	1	Develop a one off solution to address a client issue	3	6	Internal
90685	1	Demonstrate advanced manipulation and transformation skills	3	3	Internal

**Assessment:** 3 x internal achievement standards, 5 x internal unit standards, total 45 credits.  
Term III school examinations.

**Course leads to:** Business computing and ICT diplomas/degrees.

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# **DIGITAL TECHNOLOGY (02) – YEAR 13**

**CODE: DT2**

**NZQA qualifications:** NCEA Level 3

- Unit Standards.
- National Certificate in Computing Level 2 and 3.

**Prerequisites:**

Completion of the Level 2 course or equivalent is desirable. Any student selecting this course without this prior learning may need to cover the level 2 equivalent unit standards for those listed below before attempting each Level 3 standard.

**Course length:** Full year                      **Class hours per fortnight:** 8 hours

**Special conditions:**

As there is no subject charge, printing costs are to be met by students.

**COURSE DESCRIPTION**

This course aims to enable students to live confidently with computers in their present and future situations. It is a practical subject with much hands-on experience with common applications.

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Standard	Version	Title	Level	Credits	Internal or External
2785	6	Create a computer spreadsheet to provide a solution for organisation use	3	5	Internal
2787	6	Create and use a computer database to provide a solution for organisation use	3	6	Internal
2789	6	Produce desktop published documents for organisation use	3	6	Internal
112	5	Produce information using word processing functions	3	5	Internal
5947	6	Use computer technology to solve a specified problem	3	3	Internal

**Assessment:** 5 x internal unit standards, total 25 credits.

**Course leads to:** NCEA Level 3 National Certificate in Computing.

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# HOSPITALITY – YEAR 13

CODE: HOS

- NZQA qualifications:**
- Industry Unit Standards.
  - Certificate of Achievement in Barista.
  - Cookery Certificate of Achievement.

**Prerequisites:**

It is an advantage if students have studied Food and Nutrition at other levels, but not essential.

<b>Course length:</b>	Full year	<b>Class hours per fortnight:</b>	8 hours	<b>Homework hours per fortnight:</b>	4 hours
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**Special Conditions:**

- Subject charge \$100.00\*. This covers the cost of all food and special resources used in the course throughout the year, not covered by STAR support funding. This must be paid within the first term.  
*\* Subject charge is supported by STAR funding, covering the cost of the workbooks and some of the food used by students.*
- A Gateway placement for a period of time is a requirement for this subject.

**Field trips:**

Students can be expected to visit food outlets, both local and out of town.

## COURSE DESCRIPTION

The course provider is the Hospitality Standards Institute (HSI). Students will learn the basic cooking techniques that will give them the experience to enter a Polytechnic and gain further qualifications or the skills to gain entry level jobs in the local food industry.

Students will also be taught skills in customer service and coffee making. These are excellent skills to have for entry level into the hospitality industry or just looking at part-time employment. This is a creative and interesting course that allows students of all abilities to learn useful skills that are all in high demand in the work force. Students will be able to trial these skills through work experience in the local community. This serves as a good introduction to different businesses in town and the beginning of a range of employment opportunities.

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Standard	Version	Title	Level	Credits	Internal or External
<b>Certificate of Achievement in Barista skills</b>					
17284	2	Demonstrate knowledge of coffee heritage and production	3	3	Internal
17285	3	Demonstrate knowledge of coffee equipment and recipes	3	2	Internal
<b>Cookery Certificate of Achievement</b>					
17288	3	Prepare and present espresso beverages for service	3	2	Internal
6630		Food Safety	3	5	Internal
13272		Baking	2	2	Internal
15627		Creativity in meal preparation	3	6	Internal
167		Food safety (only for students who did not do this in Year 12)	2	4	Internal

**Assessment:** 7 x internal unit standards, total 2 credits  
Term III school examinations

- Course leads to:**
- Tertiary studies in catering at Polytechnic or industry based providers.
  - Career in hospitality.
  - National Certificate in Hospitality in Cookery Level 2.

# **ENGINEERING / AUTOMOTIVE – YEAR 13**

**CODE: EGA**

**NZQA qualifications:** NCEA Level 3 Unit Standards.

**Prerequisites:** NCEA Level 1 and 2 Technology is an advantage.  
NCEA Level 2 Unit Standard 21907, 4436.

**Course length:** Full year                      **Class hours per fortnight:** 8 hours                      **Homework hours per fortnight:** 4 hours

**Special Conditions:**

Subject charges will be supported by STAR funding. Students are expected to provide all materials for individual projects. Students choosing to construct a mini motor GP bike, please note the cost is approximately \$320 for the bike kit.

**COURSE DESCRIPTION**

This course caters for students interested in a future career in the engineering and/or automotive industry. Students are able to earn nationally recognised unit standards while completing projects that involve a range of different practical skills. Students will have the opportunity to design and build a mini motor bike and race the bike at the New Zealand Secondary Schools mini motor GP. The course is delivered in conjunction with Waiariki Institute of Technology and Competenz New Zealand.

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Standard	Version	Title	Level	Credits	Internal or External
TRADES A - ENGINEERING					
2396	5	Use and maintain portable hand held engineering power tools.	2	4	Internal
2387	5	Assemble mechanical components under supervision.	2	2	Internal
244	9	Disassemble and assemble a four stroke engine.	2	6	Internal
4435	5	Select, use and care for engineering dimensional measuring equipment.	2	3	Internal
243	9	Carry out basic tuning on a four stroke petrol engine under supervision.	2	4	Internal
21682	1	Demonstrate knowledge of an oxy-acetylene welding plant in the motor industry.	2	2	Internal
21685	1	Use an oxy-acetylene welding plant in the motor industry.	2	3	Internal

**Assessment:** 7 x internal unit standards, total 24 credits.  
Term III school examinations.

**Course leads to:** Polytechnic studies, tertiary studies, apprenticeships.

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# CARPENTRY/JOINERY – YEAR 13

CODE: CJ

**NZQA qualifications:** NCEA Level 3 Unit Standards.

**Prerequisites:**

NCEA Level 1 and 2 Technology is an advantage, or 12927 (Hand Tools). and 24350 (Portable Power Tools).

**Course length:** Full year                      **Class hours per fortnight:** 8 hours                      **Homework hours per fortnight:** 4 hours

**Special Conditions:**

Subject charges will be supported by STAR funding. Students are expected to provide all materials for individual projects.

## COURSE DESCRIPTION

This course caters for students who interested in a future career in carpentry, building, joinery or the furniture industries. Students are able to earn nationally recognized unit standards at level 3 while completing a range of different practical tasks. Students will have the opportunity to be involved in the construction of two small buildings which are constructed to the relevant council codes of practice. The course is delivered in conjunction with the Building and Construction, Joinery and Furniture Industrial Training Organisations of New Zealand.

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Standard	Version	Title	Level	Credits	Internal or External
		<b>TRADES B - CONSTRUCTION</b>			
13000	2	Demonstrate knowledge of portable power tools used on construction sites	3	4	Internal
16232	2	Use portable power tools for making furniture	2	6	Internal
12999	2	Demonstrate knowledge of timber machining equipment used on construction sites	3	3	Internal
17123	3	Operate and maintain a thicknesser in joinery work	3	2	Internal
17125	3	Operate and maintain a fixed radial arm saw in joinery work	3	3	Internal
18903	3	Set a straight cutting saw to cut furniture components	3	4	Internal
17137	3	Operate and maintain a surface planer in joinery work	3	4	Internal

**Assessment:** 7 x internal unit standards, 6 at Level 3, 1 at Level 2, total 26 credits.  
Term III school examinations.

**Course leads to:** The Certificate, Diploma and Bachelor of Applied Technology in polytechnic, tertiary studies and the Apprenticeship system.

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# GENERAL TECHNOLOGY – YEAR 13

CODE: GT

**NZQA qualifications:** NCEA Level 3 Achievement Standards.

**Prerequisites:**

By negotiation with the Teacher in Charge of this course.

<b>Course length:</b>	Full year	<b>Class hours per fortnight:</b>	8 hours	<b>Homework hours per fortnight:</b>	4 hours
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**Special Conditions:**

\$120.00 Subject charge. This covers the cost of materials taken home by the student.

## COURSE DESCRIPTION

This Year 13 course is intended for students who wish to study engineering, fashion, food technology, ICT and design at university level. Students will work as a generic group to determine their relevant client needs, then develop practical skills in their chosen area independently. The technological areas available for students will be:

- Food and Nutrition
- Textiles
- Wood, Metal and Electronics
- ICT/Computing.
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Standard	Version	Title	Level	Credits	Internal/ External
90613	2	Develop a conceptual design to address a client issue	3	8	Internal
90620	2	Develop a one-off solution to address a client issue	3	8	Internal
90687	2	Demonstrate techniques in materials technology	3	4	Internal
90683	2	Demonstrate techniques in food technology	3	4	Internal

**Assessment:** 3 x internal achievement standards, total 20 credits  
External standards are available to meet individual needs.

**Course leads to:** University study in engineering, design, nutrition, fashion, computing and food technology.

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# WOOD MANUFACTURING – YEAR 13

CODE: WM

- NZQA Qualifications:**
- Unit Standards.
  - Foundation Skills in Wood Manufacturing.

**Prerequisites:**

Open entry plus interview with Careers Advisor.

<b>Course Length:</b>	Full year	<b>Class hours per fortnight:</b>	8 hours	<b>Homework hours per fortnight:</b>	0 hours
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**Special Conditions:**

- STAR funded.

**Field Trips:**

- Students would come out of class one day each week and be taught the practical requirements by Waiariki Institute of Technology.
- The designated forestry day must be attended by all students to achieve the qualification in Wood Manufacturing.

## COURSE DESCRIPTION

This course aims to provide an introduction to Wood Manufacturing and involves both practical and theory Unit Standards. There will be an offsite component for the practical forestry tasks. This class will work closely with Waiariki Institute of Technology Forestry, Tenon Mill and Red Stag Timber.

Standard	Version	Title	Level	Credits	
22970		Demonstrate employment and foundation skills	2	10	} All Standards will be assessed by Waiariki Institute of Technology
22973		Demonstrate factors that affect performance	2	10	
22977		Identify and describe risks in industry	2	5	
736		Demonstrate knowledge of tree growth	2	5	
9774		Demonstrate knowledge of timber grading	2	5	
160		Demonstrate knowledge of sawmilling	2	5	
15774		Demonstrate knowledge of timber machining	2	5	
17971		Demonstrate knowledge of the solid wood industry	2	5	
162		DKO wood drying	2	5	
16244		DKO wood preservation	2	5	

**Assessment:** 10 unit standards, total 60 credits.  
Assessed by Waiariki Institute of Technology.

**Course Leads to:** Leads to Levels 1, 2 and 3.

# THE ARTS FACULTY

## VISUAL ARTS DESIGN – YEAR 13

CODE: DES

**NZQA Qualifications:** NCEA Level 3

- Achievement Standards.
- Unit Standards.

**Prerequisites:**

Year 12 Design gaining a minimum of 12 credits.

**Course Length:** Full year

**Class hours per fortnight:** 8 hours

**Homework hours per fortnight:** 6 hours

**Special Conditions:**

Subject Charge \$120.00. This covers the cost of the take home materials in the course and limited colour printing and photocopying.

### **COURSE DESCRIPTION**

Students need to learn to solve clearly defined design problems. Solutions need to be communicated through drawings, notes, models and finished work. Students will develop knowledge and understanding of existing design practices, and apply this to their own ideas.

Students will produce work, presented in a folio, and assignments on a number of themes. The course is assessed through Achievement Standards that cover the curriculum with total credits of 20.

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Standard	Version	Title	Level	Credits	Internal or External
90515	2	Research and analyse approaches within established Design practice 3.1.	3	4	Internal
90516	2	Investigate and use ideas and methods in the context of a drawing study in design 3.2.	3	6	Internal
90517	2	Produce original work within design to show extensive knowledge of art-making methods and ideas 3.3.	3	14	External

**Assessment:** 2 x internal achievement standards, 1 x external achievement standards, totalling 24 credits.

**Course Leads to:** Tertiary qualifications.

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Students may do  
up to **two** Practical Art subjects for NCEA Level 3

A folio is to be produced  
for the external examination  
at the end of November.

# VISUAL ART PAINTING – YEAR 13

CODE: PAI

**NZQA Qualifications:** NCEA Level 3

- Achievement Standards.
- Unit Standards.

**Prerequisites:**

Painting – Year 12 Painting gaining a minimum of 12 credits.

<b>Course Length:</b> Full year	<b>Class hours per fortnight:</b> 8 hours	<b>Homework hours per fortnight:</b> 6 hours
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**Special Conditions:**

Subject Charge \$120.00. This covers the cost of the take home materials in the course. Students are expected to supply their own paint, brushes and specialist paint for portfolio and assessment work.

**COURSE DESCRIPTION**

Students need to have good drawing skills, must be able to handle a variety of painting and drawing media as well as be capable of developing new ideas. Through their work they should gain understanding of methods and procedures used by artists and apply this to a selected subject matter.

Students will produce work, presented in a folio, and assignments on a number of themes. The course is assessed through Achievement Standards that cover the curriculum with total credits of 20.

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Standard	Version	Title	Level	Credits	Internal or External
90663	2	Investigate and use ideas and methods in the context of a drawing study in painting 3.2.	3	6	Internal
90667	2	Produce original work within painting to show extensive knowledge of art-making methods and ideas 3.3.	3	14	External

**Assessment:** 2 x internal achievement standards, 1 x external achievement standards, totalling 20 credits.

**Course Leads to:** Tertiary qualifications.

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<p>Students may do up to <b>two</b> Practical Art subjects for NCEA Level 3</p> <p>A folio is to be produced for the external examination at the end of November</p>
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# VISUAL ART PHOTOGRAPHY, DIGITAL – YEAR 13 CODE: PHO

**NZQA Qualifications:** NCEA Level 3

- Achievement Standards.
- Unit Standards.

**Prerequisites:**

Year 12 Photography, gaining a minimum of 12 credits.

**Course length:** Full year

**Class hours per fortnight:** 8 hours

**Homework hours per fortnight:** 6 hours

**Special conditions:**

- Subject Charge \$120.00. This covers the cost of the take home materials in the course and limited digital printing and photocopying.
- Own digital SLR camera is essential.

## COURSE DESCRIPTION

Students need to gain good knowledge of black and white photographic procedures. The course deals with camera handling, taking of photographs and developing techniques for films and prints. Through the image making process students should gain understanding of methods and procedures used by artists, and apply this to a thematic study.

Students will produce work, presented in a folio, and assignments on a number of themes.

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Standard	Version	Title	Level	Credits	Internal or External
90660	2	Research and analyse approaches within established photography practice 3.1	3	4	Internal
90664	2	Investigate and use ideas and methods in the context of a drawing study in photography 3.2	3	6	Internal
90668	2	Produce original work within photography to show extensive knowledge of art-making methods and ideas 3.3	3	14	External

**Assessment:** 2 x internal achievement standards, 1 x external achievement standard, totalling 24 credits.

**Course leads to:** Tertiary qualifications.

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Students may do  
up to **two** Practical Art subjects for NCEA Level 3

A folio is to be produced  
for the external examination  
at the end of November

# DRAMA – YEAR 13

CODE: DRA

**NZQA Qualifications:** NCEA Level 3 Achievement Standards.

**Prerequisites:**

NCEA Level 2 Drama.

<b>Course length:</b>	Full Year	<b>Class hours per fortnight:</b>	8 hours	<b>Homework hours per fortnight:</b>	4-6 hours
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**Special conditions:**

- Subject Charge \$60.00. This covers the cost of theatre tickets and costume hire for performance assessments. Extra costs may be incurred for travel.
- Some rehearsal time will need to take place outside of school hours.

**Field trips:**

- Two Theatre visits.
- Professional workshops.

## COURSE DESCRIPTION

The Year 13 course expands and extends student's knowledge of drama and prepares them for tertiary study in many disciplines. For example, the course prepares them for any performing arts course, broadcasting school, public relations course, film or literary study, communications or tourism courses, etc. It enhances individual confidence, communication and organisational skills, time management and people management skills.

Students will also take part in the public Year 13 performance assessment evening.

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Standard	Version	Title	Level	Credits	Internal or External
90608	2	Communicate meaning in performance of scripted drama	3	5	Internal
90609	2	Devise, script and perform individual drama	3	5	Internal
90610	2	Investigate and analyse texts characteristic of a drama form of period	3	3	External
90611	2	Research, prepare and perform a significant production	3	6	Internal
90612	2	Analyse, apply and reflect on drama processes and performance in a new context	3	5	External

**Assessment:** 3 x internal achievement standards, 2 x external achievement standards, total 24 credits.  
Term III school examinations.

**Course leads to:** Tertiary qualifications.

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# MUSIC – YEAR 13

CODE: MUS

**NZQA Qualifications:** NCEA Level 3 Achievement Standards.

## Prerequisites:

- NCEA Level 2 Achievement Standards in music.
- Practical Music enrolment accepted from equivalent exams such as Grade 4 Practical and Grade 3 Theory. However Grade 4 is recommended.
- Auditions may be required for confirmation of entry requirements.

**Course length:** Full year      **Class hours per fortnight:** 8 hours      **Homework hours per fortnight:** 11 hours music practice

## Special Conditions:

- As part of the performance requirements for assessment, students need to continue with their course of instrumental tuition on their performance instrument throughout the year (at a cost to the student). It is recommended that lessons be on an individual basis for at least ½ hour per week. (See Music department brochure for details.) Extra charges may apply in some cases.
- Students must be prepared to take part in performance opportunities.

## COURSE DESCRIPTION

Music study at Year 13 provides the opportunity for students to be able to specialize in the areas of their strengths and abilities, eg performance, composition or musical knowledge/research (musicology).

Aural, harmony, composition and music studies are extended to an in-depth level of understanding. Performance students must be committed to a course of study from the classroom teacher as well as separate weekly tuition from their instrumental music teacher.

Learning and assessment activities are based around the four strands from the Arts Curriculum document:

- Developing Practical Knowledge in Music (theory, aural, score reading)
- Developing Ideas in Music (composing music)
- Communicating and Interpreting in Music (listen to, read and play music)
- Understand Music in Context (Developing knowledge and understanding of a variety of music styles both past and present).

Please Note – While students have the opportunity to further their own interests in music this course has a set programme of teaching and learning based on the curriculum and NCEA assessment standards.

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Standard	Version	Title	Level	Credits	Internal or External
90499	1	Research and present a music topic	3	6	Internal
90526	2	Present a performance of a programme of music as a group	3	4	Internal
90527	2	Arrange music	3	4	Internal
90530	1	Analyse and describe harmonic and tonal procedures	3	3	External
90775	1	Present a portfolio of musical composition	3	8	Internal
90776	1	Prepare and present performances of music as a feature	3	8	Internal
90777	1	Aural skills in a range of styles and genres	3	4	External

**Assessment:** 5 x internal achievement standards, 2 x external achievement standards, total 37 credits, 14 minimum requirement.

**Course leads to:** Tertiary qualifications.  
Opportunities within the music industry.

# **PERFORMANCE MUSIC – YEAR 13**

**CODE: PMU**

**NZQA Qualifications:** NCEA Level 2 Achievement Standards.

**Prerequisites:**

This course is open to students with performance skills on any instrument or instruments, including contemporary voice, who have been learning for at least four years.

**Course length:** Full Year    **Class hours/5 day week:** ½ to 1 hour    **Homework hours per fortnight:** 11 hours

**Special Conditions:**

See Music Department brochure for details of instrumental music programme charges.

Please Note – This course will run in conjunction with the instrumental music programme and not timetabled as a subject.

**COURSE DESCRIPTION**

Students will undertake a course of instrumental tuition on their performance instrument or instruments throughout the year (either through the College or with a private Tutor). Extra charges may apply in some cases. Performance assessment dates will be organised throughout the year and the College will liaise with the instrumental teachers to co-ordinate student work.

An important addition to the course is student opportunity to attend special workshops on performance and opportunities to play in approved music groups within the school, with an instrumental Tutor.

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Standard	Version	Title	Level	Credits	Internal or External
90526	2	Group performance of a programme	3	4	Internal
90528	2	Present music in solo performance	3	8	Internal

**Assessment:** 2 x internal achievement standards, total 12 credits.  
Solo and group performances.

**Course Leads to:** Opportunities in the music industry.

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# **ENHANCED PERFORMANCE DANCE – YEAR 13**

**CODE: EPD**

**NZQA Qualifications:** NCEA Level 3 Achievement Standards.

**Prerequisites:** For Year 13 students who have at least 10 achievement standards at Level 2.  
**OR**  
For Year 13 students who have passed:  
Ballet (RAD – Royal Academy of Dance, BBO – British Ballet Organisation, Checcetti etc) at Intermediate AND/OR  
Jazz at Intermediate 2 AND/OR  
Contemporary at Level 4 AND/OR  
Hip Hop at Level 4 AND/OR  
**OR**  
For Year 13 students who show:  
Evidence of successfully competing at dance competitions **AND/OR** an audition.

**Course Length:**  
Three terms.  
This course is not timetabled as a subject.

**Field trips:**  
Dance New Zealand Made (cost to be advised).  
Taupo Youth Talent Quest (cost to be advised).

## **COURSE DESCRIPTION**

This course is intended to give students who dance an opportunity to gain NCEA accreditation for something they are already dedicated to and passionate about. This course also creates an opportunity to gain necessary credits that might help students gain entry to courses/subjects at Tertiary level in dance or the performing arts. This course is intended for able students of dance who wish to continue their studies in this subject. This is a rewarding performing arts course that demands a high degree of commitment and effort.

Standard	Version	Title	Level	Credits	Internal or External
90594	2	Produce a dance for performance	3	9	Internal
90595	2	Perform a solo or duet dance work	3	3	Internal
90596	2	Perform choreographed group dance work	3	4	Internal

**Assessment:** 3 x internal achievement standards, total 16 credits.

**Course Leads to:** Credits towards NCEA Level 3.

# **SPEC (Specific Preparation for Employment and Citizenship) – YEAR 13**

**CODE: SPEC**

**NZQA Qualifications:** NCEA Unit Standards.  
National Certificate in Mainstream Studies.

**Prerequisites:**

None.

**Course Length:** Full Year **Class hours per fortnight:** 8 hours

**Special Conditions:**

Subject charge \$50.00, this covers the cost of some of the take home material used in this course such as digital printing, colour photocopying and stationary portfolio costs.

## **COURSE DESCRIPTION**

Students complete practical and theory tasks and produce an individual portfolio choosing from a range of subject choices. A number of these tasks happen outside the classroom setting.

This course aims for specific preparation for employment and citizenship:

- To develop students in the Key competencies, *i.e.* to develop the ability to think, to relate to others, to use language, to manage self, and participate and contribute.

This course has been approved as a Certificate Qualification at Level 2 by NZQA. In addition to the Certificate Qualification at Level 2, there may be opportunities to achieve a range of unit standards from Levels 1 to 4 which can go towards the Level 1, 2 or 3 National certificate in Educational Achievement (NCEA). Students are required to complete both 'Shooting Star' and 'One Star' workbooks first.

Certificate in Mainstream Studies (Level 2). This is inclusive of:

- Pre Level 1 SPEC: Shooting Star course
- Level 1 SPEC: One Star programme
- Level 2 SPEC: Two Star programme
- Level 3 SPEC: Three Star programme.

**Assessment:** Internal and external moderation. Unit Standards will be confirmed as students are on individual programmes.

**Course Leads to:** Certificate in Mainstream Studies (SPEC).

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# **GATEWAY – Structured Workplace Learning**

Gateway is a senior programme being offered to students. It enables senior students to participate in structured workplace learning which is assessed and evaluated. A Gateway placement is integral to the senior students other subjects. In most cases a placement is one day a week, or in the school holidays.

Students involved in Gateway will have their achievements credited towards national qualifications including the National Certificate of Educational Achievement (NCEA). For example a student placed in a Joinery factory may complete Unit Standards towards the National Certificate of Furniture Making.

In many cases students will get a head start on their chosen careers. Through Gateway further opportunities may open up such as Modern Apprenticeship training and full time employment or cadetships.

## **Pre-requisites**

Year 11, 12 and Year 13 students who apply to the Gateway Programme will be interviewed and selected during the year by the Gateway Co-ordinator, Mrs Grant.

## **Special Conditions**

- This is a fully funded course of study. Students will have a contract concerning attendance and behavioural requirements and be required to complete a Log Book.
  - Each student in the Gateway programme will have a structured workplace learning plan. The rest of their programme will be school-based.
  - In many cases students will have an individual learning plan tailored to meet their specific needs. This will be prepared by the Gateway Coordinator and the Gateway Administrator. Parents will be informed of any changes to a student's learning plan.
  - Queries regarding this programme can be directed to Mrs Grant, Gateway Co-ordinator or Mrs Wilkie, Placement Administrator.
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# CAREERS GUIDANCE PROGRAMME

## YEAR 13

### AIMS

Year 13 students will receive sufficient information gathering opportunities, resources, experiences and career appointments through their senior years so that they are able to make informed decisions about subject selection and the transition from school to work, training or tertiary education.

### IMPLEMENTATION

**Year 13 will have individual Career appointments.**

- Subject Selection with senior staff members completed on an individual basis.
- Individual Career Appointments – Year 13
- Gateway Programme – structured workplace learning with Unit Standard assessment.
- Annual Waikato University Information Day visit.
- Polytechnic Visit – EIT Hawkes Bay
- Liaison visits from various institutions – Universities and Polytechnics
- Modern apprenticeships presentations
- Careers Website
- Career Point – 0800 222 733
- Career Quest – CD Rom
- Choices Game
- REAL Game
- Careers Expo - Rotorua

### OUTCOMES

**Students in Year 13 will benefit from the Career Programme offered in the following ways:**

- Identify their own vocational interest areas and personal attributes required for these.
- Have a clear personal career plan with goals.
- Develop a strategy aimed at achieving these goals. Prepare an action plan
- Year 13 Destination Unit completed at February Camp
- Be prepared through subject selection with Senior Staff and knowledge of entry requirements to achieve these goals
- Explore thoroughly career pathways and training opportunities for them as individuals.
- Year 13 will receive all University and Polytechnic enrolment information required.
- Have knowledge of the world of work they will be entering and projected change in the labour market
- Know which information sources are reliable, up to date and available to them.
- Be mentored with a Senior Staff member to assist them to achieve their goals.
- Have access to Breakout - Scholarships database.
- Study Link visit annually for up to date Loans and Allowances information.

### Useful Resources for Students, Parents and Caregivers

Mrs Kay Grant – Careers Advisor

Mrs Hilary Graham-McLeod – Guidance Counsellor

Career Website at [www.careers.govt.nz](http://www.careers.govt.nz)

Career Quest – networked through Computer Suites and Learning Resource Centre

Career Point – 0800 222 733

Taupo-nui-a-Tia College Student Centre – Careers information and displays

Mrs Wilkie – Gateway Administrator

# NCEA

- **How does NCEA work?**

Teachers will use standards to assess how well you perform in the different skills in a course. When you meet the standard, you'll earn credits towards the National Certificate in Educational Achievement.

- **How will I know which standards I'm entering for?**

Your teacher will tell you which standards are available for each course and how they'll be assessed. (Standards are indicated in the Year 11, 12 and 13 Course Booklets). Credits from all of the Achievement and Unit standards you achieve count towards your NCEA.

Credits can count for other National Certificates too. Talk to your teacher to find out what other certificates are offered as part of your course.

- **How do students complete a qualification?**

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

<b>NCEA LEVEL</b>	<b>REQUIREMENTS (Note: 80 credits are required at any level, i.e. 1, 2 or 3)</b>
<b>Level 1</b>	Including literacy (reading and writing) and numeracy (mathematics). The pathways your child is using will be further explained.
<b>Level 2</b>	60 credits at Level 2 or above, plus 20 credits from any level.
<b>Level 3</b>	60 credits at Level 3 or above, plus 20 credits from Level 2 or above.

Credits gained at one level can be used for (or count towards) more than one certificate.

- **What is needed to gain entrance to university?**

To gain entry to a New Zealand University, you will need to have 42 credits at Level 3 or higher on the NQF (National Qualifications Framework). You'll need to get at least 14 of these credits in each of two subjects from an approved list, and another 14 from another two approved subjects or domains. Your teacher will be able to tell you about this later in the year or you can check out the web site, [www.nzqa.govt.nz](http://www.nzqa.govt.nz)

As well as these Level 3 credits, you'll need some Level 2 credits which show that you have reading and writing skills and Level 1 credits showing numeracy skills.

## DETAILS OF NCEA CERTIFICATE ENDORSEMENT

NZQA has announced details of endorsement of National Certificates in Educational Achievement (NCEA).

Students will 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.

### Course Endorsement

Course endorsement is an integral part of the NCEA improvements package. Course endorsement will provide recognition for students who perform exceptionally well in individual courses. Students will be able to have their strengths in individual courses recognised with a course endorsement at Merit or Excellence. The key objective of course endorsement is to motivate students to achieve their potential in one or more courses.

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

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

Note – Physical Education and Level 3 Visual Arts will be exempt from (2) above.

# REQUIREMENTS FOR ENTRY TO UNIVERSITY

Since 2004, you have been able to qualify to enter a university in New Zealand if you have obtained the following:

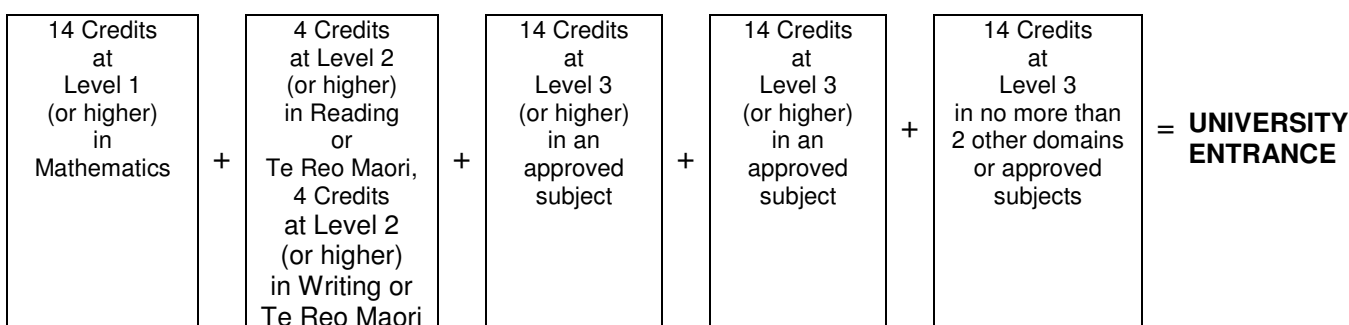
1. A minimum of 14 credits at Level 1 or higher in Mathematics  
**AND**
2. A minimum of 4 credits at Level 2 or higher in Reading or Te Reo Maori and 4 credits at Level 2 or higher in Writing or Te Reo Maori  
**AND**
3. A minimum of 42 credits at Level 3 or higher, including 14 credits in each of two approved subjects from the list below  
**AND**  
another 14 credits from a combination of no more than two other domains or approved subjects from the same list.

Many courses will require a number of Merit/Excellence grades.

## Approved Subjects

<b>Approved Subject</b>	<b>Field/subfield/domain/ Standards</b>	<b>Approved Subject</b>	<b>Field/subfield/domain/ Standards</b>
Accounting	<i>Domain Accounting – Generic</i>	Statistics and Modelling	<i>Subfield Statistics and Probability</i>
Agriculture/Horticulture	<i>Domain Agricultural &amp; Horticultural Science</i>		<i>AS90644, AS90647</i>
Biology	<i>Domain Biology</i>		<i>US5256, US5264, US5262, US5272</i>
Business Studies		Media Studies	<i>Domain Media Studies</i>
Chemistry	<i>Domain Chemistry</i>	Music	<i>Domain Music Studies or Making Music</i>
Chinese	<i>Domain Chinese</i>	Painting (Practical Art)	<i>AS90659, AS90663, AS90667</i>
Classical Studies	<i>Domain Classical Studies</i>		<i>US9066, US9067</i>
Computing	<i>Domain Generic Computing</i>	Photography (Practical Art)	<i>AS90660, AS90664, AS90668</i>
Cook Island Maori	<i>Domain Cook Islands Maori</i>		<i>US9064, US9065</i>
Dance	<i>Domains Dance Choreography, Dance Performance, Dance Perspectives</i>	Physical Education	<i>Domain Physical Education</i>
Design (Practical Art)	<i>AS90515, AS90516, AS90517</i>	Physics	<i>Domain Physics</i>
Drama	<i>Subfield Drama</i>	Printmaking (Practical Art)	<i>AS90661, AS90665, AS90669</i>
Economics	<i>Domain Economics</i>		<i>US9069, US9068</i>
Education for Sustainability		Religious Studies	
English	<i>Subfield English</i>	Samoan	<i>Domain Samoan</i>
French	<i>Domain French</i>	Science	<i>Domain Core Science</i>
Geography	<i>Domain Geography</i>		<i>Domain Earth Science</i>
German	<i>Domain German</i>	Sculpture (Practical Art)	<i>AS90662, AS90666, AS90670</i>
Graphics	<i>Subfield Design</i>		<i>US9070, US9071</i>
Health Education	<i>Domain Health Education</i>	Spanish	<i>Domain Spanish</i>
History	<i>Domain History</i>	Social Studies	<i>Domain Social Studies</i>
History of Art	<i>Domain Art History</i>	Technology	<i>Domain Technology – General Education</i>
Home Economics		Te Reo Rangitira or Te Reo Maori	<i>Subfield Reo Maori</i>
Indonesian	<i>Domain Indonesian</i>		
Japanese	<i>Domain Japanese</i>		
Korean	<i>Domain Korean</i>		
Latin	<i>Domain Latin</i>		
Mathematics with Calculus	<i>Domain Trigonometry</i>		
	<i>Domain Geometry</i>		
	<i>Domain Calculus</i>		
	<i>AS90638, AS90639</i>		
	<i>US5267, US11102, US12344</i>		

See course booklet for subjects offered at Taupo-nui-a-Tia College



## SUGGESTED SUBJECT GUIDE – Subjects Required/Preferred for Entrance to University

CAREERS	Required/Preferred Year 13 Subjects (useful subjects in brackets)
Accountancy	Acctg. (Stats, Calc, Eco, Eng/Hist. useful)
Agriculture/Agri Science	Physics, Chem, Bio, one of Calc or Stats (Geo useful)
Architecture	Physics (Wgtn only) (Calc/Stats, Art/Art-Design, Eng/Hist/Art Hist), Graphics
Art/Museum Conservator	Chem (Art Hist, Eng, Hist, Classics, Stats useful)
Aviation/Commercial Pilot	Calc, Phys (Acco or Eco useful), Chem
Biochemistry	Stats, Bio, Chem
Biological Sciences	Bio, Stats required, Chem preferred (Sci, Geo, Eng/Hist/Art Hist)
Broadcasting	Eng+ at least one of Classics/Hist/Art Hist/Econ/Geo
Building Science/Construction Management	Calc/Stats, Physics, Graphics (Sci, Eng/Hist)
Career/Trade Diplomat	Double degree preferable; (Career – Eng + Classics, Art Hist/Hist, (2 <sup>nd</sup> language)) (Trade – Eco, Acco, Stats, (Calc, 2 <sup>nd</sup> Language))
Commerce	See Accountancy, Eco, Mgmt, Tourism, Valuation, etc.
Computer Science/Technol.	Calc, Stats, Phys (Sci)
Criminology	Eng, Stats, plus at least one of Hist/Art Hist/Classics/Geo
Defence Studies	(Hist, Eng) Any broad scope
Design (Any)	Two of Art/Photo/Art-Design/Graphics, Eng/Art Hist/Classics
Dietetics/Nutrition	Bio/Chem, Stats + Eng/Hist/Classics
Ecology/Conservation	Stats, Bio (Geo, Chem, Sci, Eng/Hist)
Education	(All subjects useful)
Engineering (Professional)	Calc, Phys for all courses; Chem
Environmental Science	Stats, Bio, Chem, (Geo, Eng, Sci useful)
Fashion	Two of Art/Photo/Art-Design/Graphics/Art Hist/Classics, Eng
Finance	Eco, Stats (Calc, Acco, Eng/Hist/Art Hist/Classics)
Fine Arts	Art-Painting + one of Art-Design, Photo, Graphics, other Art Hist/Classics
Forensic Science	Bio, Chem, Stats (training only available at graduate level after a B.Sc.)
Forestry	Bio, Stats (Chem/Science, Geog/Hist/English, Calc useful)
Horticulture	Bio, Chem, Stats (Physics/Sci, Eng/Hist/Geo useful)
Hotel/Hospitality Mgmt	Eco or Acco (a foreign language useful, Stats)
Information Sciences	Calc, Stats, Physics
Journalism	Eng+ at least one of Classics/Hist/Art Hist/Econ/Geo
Landscape Architecture	At least one of Graphics/Art/Art-Design/Eng/Art Hist/Classics
Law	Eng + at least one of Hist/Classics/Art Hist/any Sci
Librarianship	Eng + at least one of Hist/Classics/Art Hist/Geo
Management	Stats + at least one of Eco/Acco (Calc)
Marine Science	Mix of Stats, Bio, Chem, Geo, Phys, Sci needed; (training only available at graduate level after a B.Sc.)
Mathematics	Calc, Stats
Media	Eng + at least one of Classics/Hist/Art Hist/Eco/ Geo
Med Lab Science	Stats, Bio, Chem (Phys, Eng/Hist/Art Hist/Classics/Geo useful)
Medicine	Must have Eng/Te Reo or Classics/Art Hist + any Sci/Maths/Stats or Calc
Midwifery	Bio, Chem/Science, Stats, Eng/Classics/Art Hist, Chem preferred
Music	Music (Languages, English very useful, all others useful)
Nursing	Bio, Chem/Science, Stats, Eng/Classics/Art Hist
Occupational Therapy	(Stats, Chem, Bio, Science) Eng/Classic/Art Hist
Optometry	Chem, Bio, Stats, Phys (Eng/Hist/Art Hist/Classics, Art/Photo/Art Design)
Performing Arts	Eng+ one of Classics, Art Hist/Hist (2 <sup>nd</sup> language useful) Eng.
Pharmacy	Bio, Chem, Stats or Calc (Phys needed if applying to Otago)
Physical /Outdoor Education	(Stats, Bio, Geo, Eng/Hist/Classics useful) Chem
Physiotherapy	Stats, Bio, Chem/Sci <b>Note:</b> Bio, Chem, Physics for Otago)
Planning	Eco, Geog + Stats/Calc (Bio, Eng/Hist useful)
Plant Sciences	Stats, Chem Bio (Science)
Property	Eco, Stats (Calc, Acco, Eng/Hist also useful)
Psychology	Eng, Stats + at least one of Hist, Geo, Classics, Art Hist
Quantity Surveying	Stats/Calc, (Acco, Eng/Hist/Geo, Physics useful)
Radiology	Stats/Calc, Phys/Science ( <b>course requirements vary</b> )
Social Work	Eng, Stats + at least one Hist, Geo, Classics, Art Hist
Soil Science	Chem, Stats and/or Calc (Phys, Geo)
Speech-Language Therapy	(All subjects useful)
Sports Coaching/Mgmt	(Eco/Acco, Stats useful) Eng/Art Hist/Classics, PE
Sports Science	Stats, (Bio, Chem, Sci useful) Eng/Classics
Statistics	Calc, Stats
Surveying (Land)	Calc, Phys, Geo (Stats, Eng also useful)
Teaching	Need to take subjects relevant to the type of teaching intended
Technology	Phys, Chem, + Calc/Stats (Bio needed for Bio/Food Env. Tech options)
Theology	(Eng, Hist, Classics, Art Hist, Geo)
Tourism	(Stats, Eco/Acctng, Geo, Eng/Hist/Art Hist/Classics)
Valuation	Eco, Stats (Calc, Acco, English/Geo/Hist/Art Hist/Classics)
Vet Science	Stats, Bio, Chem, Phys + Eng/Hist/Art Hist/Classics
Visual Arts	Art/Photo/Art-Design/Graphics/Eng/Art Hist
Wine Science	Stats, Chem (Bio, Geo, Sci useful)
Weather Science	Phys, Stats and/or Calc, Eng/Hist/Geo

**Please Note: Auckland University has very specific requirements for certain degrees. Students need to check the latest University Prospectus before choosing subjects or see Mrs Grant.**

**SUBJECT PROGRESSION YEARS 9 to 13**

	<b>Year 9</b>	<b>Year 10</b>	<b>Year 11</b>	<b>Year 12</b>	<b>Year 13</b>
<b>English &amp; Languages</b>	<u>English</u>  French Japanese Te Reo Māori & Tikanga Maori Te Reo Māori (full year)	<u>English</u>  French* Japanese* Te Reo Māori*	<u>English 01* or English 02 or English 03 or Communication Skills</u> French* Japanese* Te Reo Māori*	<u>English 01* or English 02 or English 03</u>  French* Japanese* Te Reo Māori *	English 01* or English 02*  French* Japanese* Te Reo Māori *  Media Studies*
<b>Mathematics</b>	<u>Mathematics</u>	<u>Mathematics</u>	<u>Mathematics 01* or Mathematics 02* or Mathematics 03 or Mathematics 04</u>	Mathematics 01* or Mathematics 02* or Mathematics 03*	Calculus* Statistics & Modelling*
<b>Health &amp; Physical Education</b>	<u>Life Skills</u>  <u>Physical Education</u>	<u>Life Skills</u>  <u>Physical Education</u>	<u>Life Skills</u> Health Physical Education Sport & Outdoor Education  Employment Skills	<u>Life Skills</u> Health Physical Education Sport & Outdoor Education High Performance Programme  Employment Skills Services Preparation	Physical Education Sport & Outdoor Education High Performance Programme Driver Education  Services Preparation
<b>Science</b>	<u>Science</u>	<u>Science</u>	<u>Science or Agricultural Science or Life Science or New Zealand Science</u>	Biology* Chemistry* Physics* Agriculture*	Biology* Chemistry* Physics*
<b>Social Sciences</b>	<u>Social Studies</u>  Enhanced Learning Programme	<u>Social Studies</u>  Enhanced Learning Programme	Accounting Economics  Geography*  History 01* or History 02	Accounting Economics Enterprise Studies Geography* Classical Studies* History* Tourism	Accounting Economics Enterprise Studies Geography* Classical Studies* History* Tourism
<b>Technology</b>	<u>Design and Visual Communication</u>  Digital Technologies  Food and Nutrition  Resistant Materials - Metal Resistant Materials - Wood  Textile Materials	<u>Design and Visual Communication</u>  Digital Technologies  Food and Nutrition  Resistant Materials  Textile Materials	<u>Design and Visual Communication</u>  Digital Technologies  Hospitality Food and Nutrition  Engineering/Metal Resistant Materials - Wood  Textile Materials	<u>Design and Visual Communication</u>  Digital Technologies 01 or Digital Technologies 02 Hospitality Food and Nutrition  Engineering Resistant Materials - Wood  Textile Materials  Wood Manufacturing	<u>Design and Visual Communication</u>  Digital Technologies 01 or Digital Technologies 02 Hospitality  Engineering/ Automotive Carpentry / Joinery General Technology, includes: Textile materials, food & nutrition, resistance materials  Wood Manufacturing
<b>The Arts</b>	<u>Art</u>  Drama Music	<u>Art</u>  Drama Music*	Visual Arts  Drama Music* Performance Music Enhanced Performance Dance Māori Performing Arts	Visual Arts maximum 2 From - Design or Painting or Photography  Drama Music* Performance Music Enhanced Performance Dance Māori Performing Arts	Visual Arts maximum 2 From - Design or Painting or Photography  Drama Music* Performance Music Enhanced Performance Dance
			Gateway  SPEC	Gateway  SPEC	Study Gateway  SPEC
	Literacy				

Supported Learning Programme – offering individualised learning to students with specific needs.

ELP= Enhanced Learning Programme.

Underlined subjects are compulsory. \* These subjects are usually a prerequisite – see Teacher in Charge of subject for exemption.

Year 13 subjects with brackets () are 16 hours per fortnight. In Year 13 students studying Hospitality, Tourism or Trades will have Gateway placements offered as part of their programme. Other students will tend to have a placement during school holidays. There is a selection process for students seeking Gateway in Years 11, 12 and 13.