

# Geraldine High School

## SENIOR SUBJECT CHOICES

2017

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# Introduction

**As you are thinking about what subjects you should study next year, and in subsequent years, you may benefit from reflecting on some common subject selection mistakes and learn how to avoid them:**

**Doing a subject because it's easy to pass.** It's fine to do a subject that you find easy, but you could fall in a trap by taking an easy option, not challenging yourself, and cutting off your options. Try asking your future self which choice they wish you had made.

**Doing a subject because your friends are doing it.** Do go with your friends if you will all support each other to study – it can happen. But remember it's your life and your future. You can see your friends at intervals and lunchtimes.

**Doing a subject because you like the teacher.** A great teacher can switch you on to a subject, but as you know – teachers leave. Also you may not get the teacher you want next year. In adult life you are likely to have to work with people you don't like. If you have a subject you need to do, with a teacher you don't particularly like, try to find some good in them and tell yourself it's important to learn to get along with a variety of people.

**Doing only science subjects because you want to be a doctor/doing only art subjects because you want to be an artist/doing only design subjects because you are going to be a photographer.** Surprise: to be a doctor it's desirable that you have studied English, artists often find Maths useful, and photographers are encouraged to take Computer Studies. Don't assume you know the entry requirements for tertiary study – check out the recommended secondary school subjects for the 400-plus jobs featured in jobs database on **Careers NZ** before cutting off options.

**Choose subjects you enjoy and in which you have been succeeding.**

**Consider subjects you think you will need in the future.**

**Research the requirements of possible careers or tertiary courses that you may pursue.**

**Meet with your Vertical Form teacher, subject teachers, Guidance Counsellor or Careers Advisor to discuss your options and help you select wisely.**

# General Information

At Year 11 you will study SIX subjects

At Year 12 you will study SIX subjects

At year 13 you will study FIVE subjects plus study

**Please note – achieving 80 credits at Level 1 does not provide automatic entry to all Level 2 courses as entry criteria may include subject specific credits. Check the ENTRY CRITERIA before deciding to select a subject.**

It may take you three years to achieve Level 2, so you may be in Year 13 but studying Level 1 and 2 subjects.

## Guide to understanding the option book.

### ***What do course costs cover and how do I pay them?***

There are costs involved in a number of courses. These costs may cover specialist course materials or other equipment required for the course. Every course that has costs includes details of what these costs are in the course outline. Payment for all course costs, except field trips, is to be made to the Office at the start of the year.

For payment options or assistance please make enquires at the school office.

### ***What does “Entry Criteria” mean?***

This is what you need to have achieved, or need to be able to achieve, to undertake study of this subject at this level and have the best chance of success.

### ***What does R and/or W mean after some Level 2 and 3 Achievement Standards?***

It means this Achievement Standard offers Level 2 Literacy **Reading** and/or **Writing** credits. You can achieve the 5 Reading and 5 Writing credits required for Level 2 Literacy (and University Entrance) outside a Level 2 English course.

NB: On the Student Portal, if a standard covers Reading and Writing, it will show ‘B’, indicating both.

# Course Qualification Structures

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

To gain this qualification you need:

- a total of 80 credits
- at least 10 credits in Literacy AND at least 10 credits in Numeracy

If you are unable to gain the Literacy and Numeracy credits from AS, you must be enrolled in completing 10 specifically approved Literacy and 10 specifically approved Numeracy Unit Standards. The HoD of English and Mathematics can assist you with this.

Please be aware that Literacy and Numeracy are the minimum to gain a Level 1 certificate, not to gain entry into Level 2 courses.

Achieving 80 credits at Level 1 does not provide automatic entry to all Level 2 courses as entry criteria may include subject specific credits.

To gain automatic entry into Level 2 courses you should gain at least 10 credits from Mathematics, 5 Reading credits from English and 5 Writing credits from English. You should also achieve a minimum of 12 credits from each specific subject.

## Level 2 National Certificate in Educational Achievement (NCEA)

To gain this qualification you need:

- Level 1 Literacy and Numeracy
- a total of 80 credits
- at least 60 credits must be from Level 2 or above
- up to 20 credits can be from Level 1

NB: See automatic entry requirements above

## Level 3 National Certificate in Educational Achievement (NCEA)

To gain this qualification you need:

- Level 1 Literacy and Numeracy
- a total of 80 credits
- at least 60 credits must be from Level 3
- up to 20 credits can be from Level 2 or above

NB: Level 2 Literacy (5 Reading and 5 Writing) is for UE only.

## CERTIFICATE ENDORSEMENT

If you gain the required number of credits with Merit or Excellence your certificate will be endorsed. Credits earned can count towards endorsement over more than one year.

- 50 Excellence credits = Excellent Endorsement
- 50 Merit (or above) credits = Merit Endorsement

## COURSE (SUBJECT) ENDORSEMENT

- 14 or more Excellence credits = Excellence endorsement
- 14 or more Merit/Excellence credits = Merit endorsement

For Course Endorsement at least 3 of the 14 credits must be from external standards (P.E, Visual Art are exempt from this condition) For Course endorsement credits must be earned in a single school year.

# Entrance to University

You will be qualified for entrance to a university in New Zealand if you have obtained:

- **NCEA LEVEL 3**
- **14 credits in each of three University approved subjects (see page 8)**
- **Level 1 Literacy and Numeracy or higher**
- **Level 2 LITERACY: minimum of 10 credits at Level 2 (or higher) 5 must be in Reading (R) and 5 in Writing (W)**

CREDITS CAN ACCUMULATE OVER MORE THAN ONE YEAR

**Individual universities will have entry score requirements. This will be calculated using Excellence and Merit credits first, then Achieved as required to a maximum of 80 credits. University of Auckland requires a minimum of 17 Level 2 or higher English credits.**

## NEW ZEALAND SCHOLARSHIP

- This is an extra examination that you may choose to sit at the end of your Level 3 year, in one or more subjects. It is intended that only the top 2-3% of candidates will be awarded scholarships.
- The exams will be the same content as that covered in your Level 3 classes, but the questions will ask for greater depth in knowledge, analysis and application.
- Scholarship is not an additional qualification it does not generate credits – but it is an award of excellence, and has monetary awards.
- If you are interested in attempting scholarship in a subject, you will need to discuss this with your subject teacher early in the year.

# Level 3 University Approved Subjects

The following Approved Subjects for University Entrance are currently offered at Geraldine High School.

You must achieve 14 or more credits in THREE of these subjects as part of your NCEA Level 3 to gain University Entrance.

You must also gain 5 Reading and 5 Writing Credits at Level 2 or above.

Accounting  
Agriculture  
Biology  
Chemistry  
Calculus  
Design/ Visual Communication  
Digital Technologies  
Drama  
Economics  
English  
Geography  
Health Education  
History  
Home Economics (Food Technology)  
Music  
Painting  
Printmaking  
Physical Education  
Physics  
Statistics  
Technology Textiles (Construction Technologies)

## COURSES OF STUDY 2017

	NCEA LEVEL 1 Year 11	NCEA LEVEL 2 Year 12	NCEA LEVEL 3 Year 13
<b>Compulsory Course</b>	English Maths Science		
<b>Optional Courses</b>	<b>Any THREE of: (4 periods per subject per week)</b>  Accounting Agriculture Agriculture Primary Industry Academy Art (visual) Correspondence (must be a specific course) Design & Visual Communication Digital Technologies Drama Economics Food Technology Geography Hard Materials Technology Health History Music Physical Education Textiles Technology	<b>Any Six of: (4 periods per subject per week)</b>  <b>English</b> (Highly recommended) Accounting Agriculture Agriculture Primary Industry Academy Art (visual) Biology Chemistry Correspondence (must be a specific course) Design & Visual Communication Digital Technologies Drama Food Technology Gateway Geography Hard Materials Technology Health History Mathematics Advanced Mathematics Intermediate Music Outdoor Education Physical Education Physics Textiles Technology	<b>Any FIVE of: (6<sup>th</sup> is a study line)</b>  Agriculture Agriculture Primary Industry Academy Art (visual) Biology Calculus Chemistry Correspondence (must be a specific course) Design & Visual Communication Digital Technologies Drama Economics English Food Technology Gateway Geography History Music Outdoor Education Physical Education Physics Statistics Textiles Technology



# Accounting

## LEVEL ONE

*This course will introduce you to Accounting. The course aims to ensure that you experience decision-making opportunities. You will also be given a sound foundation in Accounting for future employment opportunities and/or for future studies in Accounting.*

### Course of Study

You will learn the purposes of Accounting, the recording of financial information on a cash basis and the preparation of financial reports such as Budgets, Income Statements and a Balance Sheet for a small business concern.

### Assessment

Internal: 12 credits

External: 5 credits

### Costs

Workbooks and Stationery \$25.00- optional, but stationery for recording accounting information is necessary (information given at start of year)

### Entry Criteria

No prior knowledge of Accounting is necessary.

### For further information

Mr Harris

# Accounting

## LEVEL TWO

*You will be introduced to the subsystems used by businesses to operate efficiently. To make your studies more relevant you may visit suitable businesses.*

### Course of Study

You will learn how to process and report financial information for a sole proprietor business registered for GST on the invoice basis. You will also investigate subsystems used by businesses. This could include a survey of local business and a field trip to a business in Christchurch.

### Assessment

#### Internal

- AS 91179: Demonstrate understanding of an Accounts Receivable subsystem for an entity (3 credits)
- AS 91386: Demonstrate an understanding of an Inventory subsystem for an entity (3 credits)
- AS 91481: Demonstrate an understanding of a topical accounting issue for decision-making (4 credits)

#### External

- AS 91176: Prepare financial information for an entity that operates accounting subsystems (5 credits)
- AS 91177: Interpret accounting information for entities that operate accounting subsystems (4 credits). This standard is optional

### Costs

Workbooks and Stationery \$30.00- optional, but stationery appropriate for recording transactions is necessary (information given at start of year)  
Field Trip-\$5.00 - optional

### Entry Criteria

Level 1 Accounting – at least 10 credits

### For further information

Mr Harris

# Accounting

## LEVEL 3

*This course develops the knowledge and skills from Levels 1 and 2. You will be introduced to the accounting involved in Partnerships and Companies.*

### Course of Study

You will learn how to process and report accounting information for Partnerships and Companies. This includes carrying out an investigation of the Job Costing and Accounts Receivable subsystems of a medium scale business and investigation of a Registered Company's annual report.

### Assessment

#### Internal

- AS 91405: Demonstrate understanding of accounting for partnerships (4 credits)
- AS 91407: Prepare a report for an external user that interprets the annual report of a NZ reporting entity (5 credits)  
UE Literacy- R/W
- AS 91409: Demonstrate understanding of a job cost subsystem for an entity (4 credits)

#### External

- AS 91406: Demonstrate understanding of company financial statement preparation (5 credits)

### Costs

Workbooks \$35, optional

### Entry Criteria

L2 Accounting- at least 12 credits OR L1 Accounting with at least a Merit Endorsement

### For Further Information

Mr Harris

# Agriculture

## LEVEL ONE

### Course of Study

Year 11 Agriculture assesses Achievement Standards from the NCEA Agriculture and Horticultural Science course and would suit students who have a genuine interest in pursuing a career in the agricultural or horticultural field. An interest or passion for agriculture is strongly recommended. The course covers a wide range of agricultural concepts including:

- Practical investigations
- Agricultural and horticultural skills
- Geographic distribution of agriculture
- Environmental impacts
- Pasture and cropping
- Soil management (external examination)

### Assessment

Internal	17 credits
External	4 credits

### Costs

Field Trips - \$5-\$10 per trip

### For further information

Ms Pile

# Agriculture

## LEVEL TWO

### Course of study

Year 12 Agriculture assesses Achievement Standards from the NCEA Agriculture and Horticultural Science course. The course covers a wide range of agricultural and horticultural concepts including the following standards:

#### Internal

- 91289: Carry out an extended practical agricultural or horticultural investigation (4 credits)
- 91293: Demonstrate understanding of livestock reproductive techniques in commercial production in NZ (4 credits)
- 91295: Demonstrate understanding of interactions between livestock behaviour and management practices (4 credits)
- 91298: Report on the environmental impact of the production of a locally produced primary product (4 credits)

#### External

- 91290: Demonstrate understanding of techniques used to modify physical factors of the environment for NZ plant production (4 credits)

#### Costs

Field Trips

\$5-\$10 per trip

#### Entry Criteria

Level 1 Agriculture (12 credits) or

Level 1 Science (12 credits) or

By agreement with the Teacher in Charge

#### For further information

Ms Pile

# Agriculture

## LEVEL THREE

### Course of Study

The main aim of this course is to develop an understanding of the production and marketing of agricultural products, locally and internationally. This takes knowledge gained in Level One and Two and uses it to examine how market needs are met by the production of primary products and what the main markets are. This is a University Entrance approved course. The course covers:

#### Internal

- 91528: Carry out an investigation into an aspect of a New Zealand primary product or its production – 4 credits
- 91529: Research and report on the impact of factors on the profitability of a NZ primary product
- 6 credits (R)

#### External

- 91531: Demonstrate understanding of how the production process meets market requirements for NZ primary product(s) (5 credits) (R & W)
- 91532: Analyse a New Zealand primary production environmental issue (5 credits) (R & W)

#### Costs

Field Trips

\$5-\$10 per trip

#### Entry Criteria

Level 2 Agriculture (12 credits) or

By agreement with the Teacher in Charge

#### For further information

Ms Pile

# Agriculture – Primary Industry Academy

*The Primary Industry Academy is a skills based course, which links school, Industry Training Organisations, and employers. “Practical Education for the real world”*

*Geraldine High School is AgExcel accredited. This is an industry endorsed quality mark that is awarded when a high standard of training and education delivery is achieved by training providers. Volunteer work with a rural focus is a key course component.*

## LEVEL ONE

### Course of study

The Level 1 course provides a taster year to give students exposure to various aspects of primary industry so that they are able to make an informed choice when it comes to selecting their Level 2 course. The end result is work-ready students who have a clearly defined career path ahead of them. It is a well-resourced course which gives practical, hands-on learning for students. Level One forms part of the 2 year course with students working towards their NZ Certificate in Primary Industry skills (Level 2).

### Entry Criteria

- Limited places available –students must apply via written application and attend an interview with parents/caregivers
- Have a keen interest in Primary Industry – Ag, Hort, Forestry or Equine
- Evidence of good school attendance
- Be reliable, motivated, enthusiastic

### Assessment

Internal up to 40 credits –Unit Standards.

Students gain NZ Certificate in Primary Industry Skills Level 2.

Field Trips: Approximately 15 teacher- led field visits – no cost

**Shirt and Jacket hire \$20.**

### Agri Learn Courses

These are run by Agri Learn in Timaru. Students may gain industry Unit Standard credits in:

- Tractor safety
- Quad and motorbikes skills
- Fencing
- General farm safety
- Water supply

This course will be available to a maximum of 12 students, at a possible cost of \$50.

It is expected that once you have confirmed your interest you will commit to the possible extra study to be undertaken in your own time, with help from your teacher, with some assessments being held in lunchtimes.

You will also be required to attend 3-4 weekends of practical assessments held in Timaru. The dates for the practical weekends will be confirmed in February.

### For further information

Mrs Foley-Smith

# Primary Industry Academy

## LEVEL TWO

### Course of study

Students focus on an area of interest and work towards their National Certificate Level 2 in Agriculture, Dairy, Beef / Sheep, or Horticulture. One day per week is spent on work placement. The practical component is completed in the workplace and the theory units at school.

Students participate in New Zealand Young Farmers Teen Ag competition and Agri Learn Training Courses.

- Chainsaws (3 days)
- Advanced Bikes (2 days)
- Advanced Fencing (2 days)

### Entry Criteria

Any student may join this course – Level 1 Primary industry is desirable but not essential.

New students must:

- Apply to be considered via written application and attend an interview with their parents/caregivers
- Have a keen interest in Primary Industry – Agriculture, Horticulture, Forestry or Equine –NB Equine and Forestry entry is by negotiation
- Evidence of good school attendance
- Be reliable, motivated and enthusiastic

### Assessment

Internal -Unit Standards - 30-40 credits depending on course selected

Students gain a NZ Certificate in Primary Industry Skills (Level 2)

Costs - \$20 shirt hire

### For further information

Mrs Foley-Smith

# Primary Industry Academy

## LEVEL THREE

### Course of study

In conjunction with Primary ITO students are on a farm 2 days per week – this can be during term time, weekends or holidays.

Students have a dairy or sheep / beef focus with an emphasis on either

- Livestock feeding
- Livestock husbandry... or
- Livestock handling

### Entry Criteria

Entry is by application and interview only and is aimed at students who are wanting to work on a farm. This course continues for students once they enter employment.

Any student may join this course – Level 2 Primary industry is desirable but not essential.

New students must:

- Apply to be considered via written application and attend an interview with their parents/caregivers
- Have a keen interest in Primary Industry – Agriculture, Horticulture, Forestry or Equine –NB Equine and Forestry entry is by negotiation
- Evidence of good school attendance
- Be reliable, motivated and enthusiastic

**Cost: \$20 shirt hire**

### For further information

Mrs Foley-Smith

# Art (visual)

## LEVEL ONE

### Course of Study

Level One Visual Art looks at a selected subject or theme and develops it in range of wet and dry media. There is an emphasis on drawing and learning new skills to make artwork. Students look to artists to help generate ideas around the subject matter. Ideas are developed into Painting, Sculpture, Mixed Media and Printmaking outcomes.

### Assessment

Internal	10 credits
External	12 credits

### Costs

The department bulk purchases the specialist art materials required for NCEA courses. Students contribute \$20.45 for their Art course, with the Folio being taken home, following assessment.

### Entry Criteria

Year 10 Art is highly recommended as it is a foundation course for L1 but students may be accepted after talking to HoD.  
Year 12 students who did not do Art in Year 11 may do L1.

### For further information

Ms Thomson

# Art (visual)

## LEVEL TWO

### Course of Study

This practical Visual Art course begins with traditional processes and procedures and then looks towards contemporary art practice to inform students' original work. Negotiated subject matter and artist models allow for greater independence as the year progresses towards the external folio.

### Assessment

Internal	8 credits
External	12 credits

### Costs

The department bulk purchases the specialist art materials required for NCEA courses. Students contribute \$20.45 for their Art course, with the Folio being taken home, following assessment.

### Entry Criteria

It is expected that you will have been successful at Level 1 Art and that you will be motivated to learn new ways of working.

### For further information

Ms Thomson

# Art (Visual)

## LEVEL THREE

### Course of Study

This course allows flexibility to work with negotiated subject matter and artist models in an individual programme. The two internal standards use observational drawing skills which are then developed using artist models as a reference to generate new work. The external standard requires students to execute a three panel folio in one field in Painting. (Printing and Sculpture course negotiable).

You will:

- investigate and use ideas and methods in the context of a drawing study in a field of your choice. (painting, printmaking or sculpture)
- produce original work within a field of your choice. (painting, printmaking or sculpture) to show extensive knowledge of art-making methods and ideas

### Assessment

Internal	8 credits
External	14 credits

### Costs

The department bulk purchases the specialist art materials required for NCEA courses. Students contribute \$20.45 for their Art course, with the Folio being taken home, following assessment.

### Entry Criteria

It is expected you will have been successful at Level 2 and be motivated to learn new ways of working.

### For further information

Ms Thomson

# Correspondence

## Course Description

Students **CAN NOT** apply for a Correspondence course if the subject is offered within our school.

Students may apply to study a subject via Correspondence if the course helps their academic career pathway.

Not all courses are offered via Correspondence, please visit their website:

<http://www.tekura.school.nz/subjects-and-courses/>

This is a very difficult course pathway and has historically been a struggle for most students.

Decisions on eligibility for such courses will be entirely at the discretion of the appropriate teaching staff and the teacher in charge of the Distance Learning Programmes.

## Entry Criteria

Good study habits. Evidence of independent learning habits is a must. Good academic record.

## For further information

Mr Romans or Mr Rogers

# Drama

## LEVEL ONE

### Course of Study

- Apply drama techniques in a dramatic context - **Poetry**
- Devise and perform a Drama - '**If walls could speak**' - **A performance around a site**
- Select and use features of a drama/theatre form in a performance - **Melodrama/Pantomime**
- Demonstrate understanding of the use of drama aspects within a live performance
- Perform an acting role in a scripted production

### Assessment

#### Internal

- 1.1** Apply drama techniques in a dramatic context - 4 Credits
- 1.2** Devise and perform a Drama (5 credits)
- 1.4** - Select and use features of a drama/theatre form in a performance (4 credits)
- 1.6** - Perform an acting role in a scripted production (5 credits)

#### External

- 1.7** - Demonstrate understanding of the use of drama aspects within a live performance (4 credits)

#### Costs

There is a requirement to view live productions and with this comes the cost of tickets and transport.

#### For further information

Ms. Williams

# Drama

## LEVEL TWO

### Course of Study

- Apply drama techniques in a scripted context - **NZ Theatre**
- Devise and perform a drama to realise an intention - **A NZ Disaster**
- Perform features of a complex drama/theatre - **Elizabethan/Shakespeare**
- Perform a substantial acting role in a scripted production
- Discuss drama elements, techniques, conventions and technologies within a live performance

### Assessment

#### Internal

- 2.1** - Apply drama techniques in a scripted context (4 credits) (R)
- 2.2** - Devise a drama (5 credits)
- 2.4** - Perform features of a complex drama or theatre form or period (4 credits) (R)
- 2.6** - Perform a substantial role in a scripted production (5 credits) (R)

#### External

- 2.7** - Discuss drama elements, techniques, conventions and technologies within a live performance - 4 credits (W)

#### Costs

There is a requirement to view live productions and with this comes the cost of tickets and transport.

#### Entry Criteria

Level 1 English and / or Level 1 Drama

#### For further information

Ms. Williams



# Drama

## LEVEL THREE

### Course of Study

- Interpret scripted text and integrate drama techniques in solo or paired performance - **NZ Theatre**
- Devise, script and perform drama for solo, duo or trio performance - **In their footsteps - Famous Person**
- Analyse drama processes in a new context and reflect critically on drama performance
- Select and use complex performance skills associated with a drama form or period
- Perform a substantial acting role in a significant production

### Assessment

#### Internal - 18 credits

**3.1** - Interpret scripted text to integrate drama techniques in performance - 4 credits (R)

**3.2** - Devise and perform a drama to realise a concept - 5 credits

**3.4** - Select and use complex performance skills associated with a drama form or period - 4 credits (R)

**3.6** - Perform a substantial acting role in a significant production (R)

#### External - 4 credits

**3.7** - Demonstrate understanding of live drama performance - 4 credits (W)

### Cost

There is a requirement to view live productions and with this comes the cost of tickets and transport.

### Entry Criteria

Level 2 English and/or Level 2 Drama

### For further information

Ms. Williams

# Economics

## LEVEL ONE

### Course Description

*This course will introduce you to Economics. The course aims to ensure that your learning experiences are valued and enriched through the themes covered. There will be a field trip to help cover important topics in the course.*

### Course of Study

You will study how businesses make decisions as well as the fundamental workings of an economy. A field trip to businesses in Christchurch will help add relevance to your studies.

### Assessment

**Internal:** 11 credits

**External:** 7 credits

### Costs

Workbook \$20 (plus \$5 for field trip)-optional.

### Entry Criteria

No prior knowledge of Economics is necessary.

### For further information

Mr Harris

# Economics

## LEVEL TWO

### Course Description

This course focuses on the economic issues facing modern economies like NZ. There may be a trip to investigate one of these issues.

### Course of Study

You will study the economic issues of unemployment, inflation, economic growth and trade. Part of the course will involve researching the issues facing the NZ economy.

### Assessment

#### Internal

- AS 91225: Analyse unemployment using economic concepts and models (4 credits)
- AS 91226: Analyse statistical data relating to two contemporary economic issues (4 credits)
- AS 91228: Analyse a contemporary economic issue of special interest using economic concepts and models (4 credits) (R )

#### External

- AS 91222: Analyse inflation using economic concepts and models (4 credits) (W)
- AS 91224: Analyse economic growth using economic concepts and models (4 credits) (W )

### Costs

Workbook \$30 and possible field trip \$10- both optional

### Entry Criteria

Level 1 NCEA

NB: Previous study in Economics is **not** necessary.

### For Further Information

See Mr Harris

# Economics

## LEVEL THREE

This course will introduce you to the study of Macroeconomics (the whole economy) and Microeconomics (the economic behaviour of consumers and producers). It is a course that is good preparation for further studies at University in Arts, Science and/or Commerce.

**You do not have to have done Economics before.**

### Assessment

#### Internal

- AS 91401: Demonstrate an understanding of microeconomic concepts (5 credits) (R)
- AS 91402: Demonstrate understanding of government interventions to correct market failure (5 credits) (R)

#### Externals:

- AS 91399: Demonstrate understanding of the efficiency of market equilibrium. (4 credits) (R + W)
- AS 91400: Demonstrate understanding of the efficiency of different market structures using marginal analysis. (4 credits) (R + W)

**Costs:** \$30.00 (Workbook)/\$5 for proposed field trip- both optional.

### Entry Criteria:

Level 2 NCEA

### For further information:

Mr Harris

# English

## LEVEL ONE

### Course Description

In this course you will continue to explore and develop a range of vital skills and key competencies to prepare you for the future. English is a subject that will help you with a range of employment options and life experiences.

### Course of Study

Some of the following strands:

- read & understanding visual and/or oral texts
- responding to written texts
- using information literacy skills to form conclusions
- explaining connections across texts
- creating a verbal & visual text
- constructing and delivering an oral presentation
- producing formal & creative writing
- showing understanding of unfamiliar text through close reading
- showing understanding of studied visual, written or oral texts

### Assessment

**Internal:** up to 15 credits

- AS (90854) 1.10 - Form personal responses to independently read texts, supported by evidence
- AS (90052/90053) 1.4 /1.5 - Produce formal/ creative Writing
- AS (90857) 1.6 - Construct and deliver an oral text

**External:** up to 12 credits

- AS (90049) 1.1 - Show understanding of specified aspects of studied written texts with supporting evidence
- AS (90850) 1.2 - Show understanding of specified aspects of studied visual or oral texts with supporting evidence
- AS (90051) 1.3 - Show understanding of significant aspects of unfamiliar text through close reading

### Entry Criteria

Successful completion of Yr 10 English

### For further information

Mr Hay

# English

English is a subject that will help you with a range of employment options and life experiences.

It is **highly recommended** that all students take Level 2 English

## LEVEL TWO

### Course of Study

Some of the following strands:

- wide reading
- producing crafted & developed formal & creative writing
- delivering a presentation
- investigating a language or literature topic and presenting information in written form
- reading, studying & analysing extended and short written texts
- viewing, listening to, studying, and analysing a visual or oral text
- reading & analysing unfamiliar texts
- 10 credits (5 credits in reading and 5 credits in writing) are required to meet the University Entrance requirements.

### Assessment

**Internal:** up to 17 credits

- AS (91101): 2.4 - Produce a selection of crafted and controlled writing (6 credits) (Writing only) for University Entrance purposes
- AS (91102): 2.5 - Speeches (3 credits)
- AS (91103): 2.6 - Create a visual and verbal text (3 credits)
- AS (91105): 2.8 – Use information literacy skills to form developed conclusions (4 credits) (Reading only)
- AS (91107): 2.10 – Analyse aspects of visual and / or oral texts through close viewing, supported by evidence (3 credits)

**External:** up to 12 credits

- AS (91098): 2.1 - Analyse specified aspects of studied written texts supported by evidence. (4 credits) (Reading + Writing)
- AS (91099): 2.2 - Analyse specified aspects of studied visual or oral texts supported by evidence (4 credits) (Writing only)
- AS (91100): 2.3 - Analyse significant aspects of unfamiliar written texts through close reading, supported by evidence. (4 credits) (Reading+ Writing)

### Entry criteria

At least 12 credits in Level 1 English

### For further information

Mr Hay

# English - Literacy

## LEVEL ONE & TWO

### Course Description

*These are practical English courses. You will be offered standards at Level One and/or Level Two.*

### Course of Study

- read & understanding visual and/or oral texts
- responding to written texts
- using information literacy skills to form conclusions
- explaining connections across texts
- creating a verbal & visual text
- constructing and delivering an oral presentation
- producing formal & creative writing
- showing understanding of unfamiliar text through close reading
- showing understanding of studied visual, written or oral texts
- creating a CV
- literacy unit standards and or achievement standards

### Assessment

Internal up to 15 credits

### Costs

Workbook \$12(optional)

### Entry Criteria

No entry requirements.

### For further information

Mr Hay

# English

## LEVEL THREE

### Course of Study

- producing extended pieces of writing in selected styles
- completing independent research
- responding critically to a studied written text, and an oral or visual text
- Shakespearean drama
- responding critically to unfamiliar prose and poetry texts

Remember: 10 credits (5 credits in reading and 5 credits in writing) are required to meet the University Entrance literacy requirement.

### Assessment

**Internal:** up to 13 credits

- AS (91475): 3.4 Produce a selection of fluent and coherent writing which develops, sustains, and structures ideas (6 credits) (Writing only)
- AS (91479): 3.8 Develop an informed understanding of literature and/or language using critical contexts (4 credits) (Reading only)
- AS (91480): 3.9 Respond critically to significant aspects of visual and/or oral texts (3 credits)

**External:** up to 12 credits

- AS (91472): 3.1 Respond critically to specified aspects of studied written texts (4 credits) (R+W)
- AS (91473) 3.2 Respond critically to specified aspects of studied visual or oral texts - 4 credits - (W only)
- AS (91474): 3.3 Respond critically to significant aspects of unfamiliar written texts through close reading (4 credits) (R+W)

### Entry Criteria

At least 12 credits from Level 2 English

### For further information

Mr Hay

# Gateway

Gateway is a vocational subject designed to encourage seamless transitions for Year 12 and 13 students into tertiary studies or the workforce.

Students spend one day per week in a workplace learning practical skills.

Students are also expected to gain academic qualifications by completing industry-related Unit Standards (Levels 2-3) that contribute towards their NCEA qualifications.

## **Assessment**

20 industry-related credits

## **Costs**

No formal costs

## **Entry Criteria**

- Year 12 or 13
- Apply to be considered via written application and attend an interview accompanied by parents/caregivers
- Motivated, enthusiastic, work-ready, organized and capable of balancing and achieving at both work and school.
- Possess the ability, maturity and focus to represent the school appropriately, and undertake a formalized, structured workplace placement for a sustained period of time.

## **For further information**

Miss Heron

# Geography

## Course Description for all Geography levels

*Geography is the study of the environment as the home of people. It explores the relationships between people and the natural environment. Geography looks at the ways in which features are arranged on the earth's surface. It describes and explains the patterns and processes that create them.*

## LEVEL ONE

### Course of Study

- Natural disasters with an emphasis on Earthquakes
- Geography skills
- 4 Internals based around local, national & global issues, research and sustainable use of the environment.

### Assessment

#### Internal: 13 credits

- AS 91009: Demonstrate geographic understanding of the sustainable use of an environment (3 credits)
- AS 91011: Conduct geographic research, with direction (4 credits)
- AS 91012: Describe aspects of a contemporary New Zealand geographic issue (3 credits)
- AS91013: Describe aspects of a geographic topic at a global scale (3 credits)

#### External: 8 credits

- AS 91007: Demonstrate geographic understanding of environments that have been shaped by extreme natural event(s) (4 credits)
- AS 91010: Apply concepts and basic geographic skills to demonstrate understanding of a given environment (4 credits)

### Costs

\$26 for a skills workbook (optional)

\$2 for one field trip to Peel Forest

### For further information

Mr Cosgriff / Miss Prescott

# Geography

## LEVEL TWO

### Course of Study

- The natural landscapes of the South Island High Country or
- Differences in development in Tanzania or India
- 4 internals based around local, national, global issues and research

### Assessment

#### Internal: 14 credits

- AS91241: Demonstrate geographic understanding of an urban pattern (3 credits)
- AS91244: Conduct geographic research with guidance – (5 credits)
- AS91245: Explain aspects of a contemporary geographic issue (3 credits)
- AS91246: Explain aspects of a geographic topic at a global scale (3 credits)

#### External: up to 12 credits

- AS91240: Demonstrate geographic understanding of a large natural environment (4 credits) (R +W) or
- AS91242: Demonstrate geographic understanding of differences in development (4 credits) (R +W)
- AS91243: Demonstrate understanding of a given environment through application of geographic concepts and skills (4 credits) (R + W)

### Costs

- Two-day field trip to Mount Cook costing approx. \$80
- Geography Skills Workbook approx. \$30

### Entry Criteria

Automatic entry if you have attained 12 credits in Level 1 Geography or if you have not done Geography before you can do Level 2 provided you have demonstrated ability to cope with an academic subject at this level.

### For further information

Miss Prescott / Mr Cosgriff

# Geography

## LEVEL THREE

### Course of Study

- natural processes that form a coastal environment
- tourism processes in Queenstown or Bali
- 3 internals around local, national, global issues and research

### Assessment

#### Internal 11 credits

AS91430: Conduct geographic research with consultation (5 credits)

AS91431: Analyse aspects of a contemporary geographic issue (3 credits) (R)

AS91432: Analyse aspects of a geographic topic at a global scale (3 credits)

#### External (up to 12 credits)

AS91426: Demonstrate understanding of how interacting natural processes shape a NZ geographic environment (4 credits) (R+W)

OR

AS91427: Demonstrate understanding of how a cultural process shapes an environment (4 credits) (R+W)

AS91429: Demonstrate understanding of a given environment through selection and application of geographic concepts and skills (4 credits) (R+W)

### Costs

Two-day field trip to a coastal environment or Queenstown approx. \$100

\$30 Geography Skills Workbook (approx)

### Entry Criteria

Automatic entry if you have attained at least 9 credits in Level 2 Geography or if you have not done Geography before you can do Level 3, provided you have demonstrated ability to cope with an academic subject at this level.

### For further information

Miss Prescott / Mr Cosgriff



# Health

## LEVEL ONE

### Course Description

*This course will offer you the opportunity to develop your personal and interpersonal skills and understanding of Health in a variety of settings. The main focus is to equip you with the necessary skills, knowledge and understanding to maintain and develop your personal well-being.*

### Course of Study

- Total well-being (Hauora)
- Goal setting
- Personal and interpersonal skills
- Sexuality
- Changing states of health
- Issues relating to drug use

### Assessment

#### Internal

- 1.1: Take action to enhance an aspect of personal well-being (3 credits)
- 1.3: Demonstrate understanding of ways in which well-being can change and strategies to support well-being (4 credits)
- 1.4: Demonstrate understanding of interpersonal skills used to enhance relationships (5 credits)
- 1.5: Demonstrate understanding of strategies for promoting positive sexuality (4 credits)

#### External

- 1.6: Demonstrate understanding of issues to make health-enhancing decisions in drug related situations (4 credits)

### Cost

Workbook \$33.95 (optional)

### Entry Criteria

Designed for students who have met the achievement objectives for Health at Year 10

### For further information

Miss Meyer

# Health

## LEVEL TWO

### Course Description

*This course will offer you the opportunity to learn about several aspects of Health and how they affect you, others, and society in everyday life. You will investigate strategies that relate to improving an aspect of well-being at school or in the community.*

### Course of Study

- Total well-being (Hauora)
- Managing change
- Enhancing well-being
- Sexuality
- Adolescent health issues

### Assessment

#### Internal

- 2.2 Evaluate factors that influence people's ability to manage change (5 credits)
- 2.3 Take action to enhance an aspect of people's well-being within the school or wider community (5 credits)
- 2.5 Analyse issues related to sexuality and gender to develop strategies for addressing the issues (5 credits)

#### External

- 2.1: Analyse an adolescent health issue (5 credits)

### Cost

Workbook \$34.95 (optional)

### Entry Criteria

Designed for students who have good English skills and/or completed the Level 1 Health course to a satisfactory standard

### For further information

Miss Meyer

# Health

## LEVEL Three

### Course Description

*This course focuses on social influences on well-being and strategies needed in communities to enhance well-being and promote social justice.*

All the Standards offered are approved for University Entrance.

### Course of Study

- New Zealand and international health issues
- Current New Zealand health practices
- Ethical issues relating to well-being
- Health promotion

### Assessment

The following standards are being considered for this course

#### Internal

- 3.1: Analyse a New Zealand health issue (5 credits) (R)
- 3.3: Evaluate health practices currently used in New Zealand (5 credits) (R)
- 3.4: Analyse a contemporary ethical issue in relation to well-being (4 credits) (R)

#### External

- 3.2: Analyse an international health issue (5 credits) (R+W)
- **OR**
- 3.5: Evaluate models for health promotion (5 credits) (R+W)

### Cost

Workbook \$36.95 (optional)

### Entry Criteria

Designed for students who have good English skills and/or completed the Level 2 Health course to a satisfactory standard

### For further information

Miss Meyer

# History

## Course Description for all History levels

*History teaches you how to understand the causes and consequences of past events that are significant to New Zealanders and our society. It also teaches how to understand people's differing perspectives on past events that are significant to New Zealanders.*

### LEVEL ONE

#### Course of Study

Topics taught are:

- Civil Rights in the USA, 1954-1970.  
This looks at the struggle of African Americans to be equal with whites.
- World War Two: what caused the outbreak of War and the consequences of this?
- The 1981 South African rugby tour.  
Examining the different points of view that people had on the tour.
- Research on an aspect of choice and the presentation of an article.
- Throughout the course a variety of skills will be practised such as examining historical evidence.

#### Assessment

**Internal:** 12 credits

- AS91001: Carry out an investigation of an historical event, or place (4 credits)
- AS91002: Demonstrate understanding of an historical event, or place (4 credits)
- AS91004: Demonstrate understanding of different perspectives of people (4 credits)

**External:** 8 credits

- AS91003: Interpret historical sources of an historical event (4 credits)
- AS 91005: Describe the causes and consequences of an historical event (4 credits)

#### For further information

Mr Cosgriff / Miss Prescott

# History

## LEVEL TWO

#### Course of Study

Topics taught are:

- The Russian Revolution: The causes and consequences of fall of Tsar Nicholas II
- Otago Gold rushes: The debate on the immigration of Chinese to New Zealand
- Conspiracy Theory Debunked: Choose a historical conspiracy and investigate the amount of truth to it.
- Throughout the course a variety of skills will be practised such as examining historical evidence e.g. fact verses opinion, bias and propaganda.

#### Assessment

**Internal**

- AS 91229: Carry out an inquiry of an historical event or place (4 credits) (R)
- AS 91230: Examine an historical event or place (5 credits) (R)
- AS 91232: Interpret different perspectives of people in an historical event (5 credits) (R)

**External**

- AS 91231: Examine sources of an historical event (4 credits) (R+W)
- AS 91233: Examine causes and consequences of an historical event (5 credits) (R+W)

#### Costs

\$85 approx. for a 3 day field trip to Arrowtown – to undertake research focused on the Otago Gold rushes (optional)

#### Entry Criteria

Automatic entry if you have attained at least 12 credits in Level 1 History, if you have not done History before you can do Level 2, provided you have demonstrated ability to cope with an academic subject at this level.

#### For further information

Mr Cosgriff / Miss Prescott

# History

## LEVEL THREE

### Course of Study

The topics will be based on the following:

- The causes and consequences of 9-11
- Historical Skills
- Research project – Who do you think you are?
- Perspectives on the dropping of the Atomic Bomb and whether it was justified to do so

### Assessment

#### External:

- AS 91436: Analyse evidence relating to an historical event of significance to New Zealanders (4 credits) (R+W)
- AS 91438: Analyse the causes and consequences of a significant historical event (6 credits) (R+W)

#### Internal:

- AS 91434: Research an historical event or place of significance to New Zealanders, using primary and secondary sources (5 credits) (R)
- AS 91435: Analyse an historical event, or place, of significance to New Zealanders (5 credits) (R)
- AS91437: Analyse different perspectives of a contested event of significance to New Zealanders (5 credits) (R)

### Entry Criteria

Automatic entry if you have at least 10 credits in Level 2 History or if you have not done History before, you can do Level 3, provided you have demonstrated ability to cope with an academic subject at this level.

### For further information

Mr Cosgriff

# Mathematics & Statistics

## LEVEL ONE

### Course Description

*This course covers the strands of Algebra & Number, Measurement & Geometry, and Statistics & Probability. In a range of meaningful contexts, you will be engaged in thinking mathematically and statistically. You will solve problems, model solutions and communicate their findings.*

### Course of Study

There will be 4 classes offering slightly different courses based on the needs of students. All work in all classes will contribute to NCEA Level 1 credits.

### Assessment

Internal	up to 21 credits
External	up to 16 credits

### Costs

Homework book (if applicable) approx \$15 - \$25  
Advanced students' graphics calculator approx \$100 (recommended)  
Or general students' scientific calculator approx. \$20

### Entry Criteria

Completion of Y10 Mathematics  
Reasonable level of literacy

### For further information

Mr Ramsay

# Mathematics & Statistics Intermediate

## LEVEL TWO

### Course Description

*This course is designed for you if you wish to pursue a career needing above Level 1 Mathematics, and wish to round off your education with a solid grounding in “Working Mathematics”. The course is based around developing practical problem solving skills and equipping you to confidently handle Maths you may come across in your job or other activities. It is considered that at least 60% of Yr 12 students should opt for this Maths course. This course also allows you to gain the Level 2 Maths credits which are required for entry to many courses and occupations.*

### Course of Study

This is a Level 2 course with 50% of the Standards involving Statistics and the rest mainly Number based.

The Standard numbers are

- 2.3: Sequences and Series
- 2.4: Trigonometry
- 2.5: Networks
- 2.9: Statistical Inference
- 2.10: Statistics Experiment
- 2.12: Probability Methods
- 2.13: Simulations

### Assessment

20 credits mainly from Internal Achievement Standards with one External Standard  
None of the standards offered contribute credits towards UE Literacy.

### Costs (possible)

Homework book approx \$20

### Entry Criteria

Students will need to have obtained at least 16 credits from Level 1 NCEA Maths Achievement Standards, including Achievement Standard 1.7, or Achievement Standard 1.6 for automatic entry into the course.

### For further information

Mr Hawkins, Mr Meadowcroft or Mr Ramsay

# Mathematics & Statistics Advanced

## LEVEL TWO

### Course Description

*This course is designed for you if you wish to continue your study of Mathematics on to tertiary level. It is algebraic based rather than numeracy based. You will be required to solve problems in a logical manner and report your findings in a clear and precise way. New topics e.g. calculus are introduced.*

### Course of Study

Topics covered include: Statistics, Algebra, Graphing and Calculus.

It is a demanding course and you need to be prepared to work hard all year.

### Assessment

#### Internal:

- 2.9: Use statistical methods to make an inference (4 credits)
- 2.2: Apply graphical models in solving problems (4 credits)
- 2.14: Apply systems of equations in solving problems (2 credits)

#### External:

- 2.3: Apply calculus methods in solving problems (5 credits)
- 2.6: Apply algebraic methods in solving problems (4 credits)
- 2.12: Apply probability methods in solving problems (4 credits)

### Costs

Graphics calculator \$100 (approx)-recommended  
Homework book \$25

### Entry Criteria

Students will need to have completed a full Level 1 Mathematics course gaining at least 18 credits. For automatic entry they will have needed to gain Merit grade or higher in one of Algebra 1.2, Graphing 1.3 or 1.4 or the Trigonometric Standards 1.6 or 1.7 and gained a total of 18 credits or more.

### For further information

Mr Ramsay

# Mathematics & Statistics

## LEVEL THREE

### Course of Study

This course gives you skills to continue on to University in any field with a basic understanding of statistics and mathematical devices that are applicable in many fields. This course should also be taken if you are doing the Maths with Calculus course as one complements the other i.e. if you intend doing a Science, Engineering or Maths degree you should take **both** Maths courses.

### Assessment

Internal	up to 12 credits
External	up to 12 credits

None of the standards offered in this course contribute to UE Literacy.

### Costs

Homework book approx \$20

### Entry Criteria

You will need to have obtained at least 12 credits from Level 2 NCEA Maths Achievement Standards for automatic entry to this course. If you have achieved all or most of the standards from Year 12 Maths Intermediate, you can do this course too.

### For further information

Mr Meadowcroft

# Mathematics & Calculus

## LEVEL THREE

### Course of Study

The course consists of approximately 50% Calculus with the balance made up of Algebra, Trigonometry and Geometry. The Calculus builds on ideas introduced in Level 2 and incorporates many practical problems. The other topics are used to reinforce many of the ideas in the calculus section.

### Assessment

**Internal:** up to 6 credits

- 3.3: Trigonometry (4 credits)
- 3.4: Critical Paths (2 credits) (possibly offered)

**External:** up to 17 credits

- 3.5: Complex Numbers (5 credits)
- 3.6: Differentiation (6 credits)
- 3.7: Integration (6 credits)

### Costs

Write on Homework Book approx \$25

### Entry Criteria

Level 2 NCEA

And 15 credits in Math, including 2.6 Algebra and 2.3 Calculus.

Further entry will be at the discretion of the Maths staff.

### For further information

Mr Hawkins

# Mentoring

## **LEVEL TWO**

### **Course description**

Students who wish to take only five subjects at Year 12 will need approval to do so. If approval is granted, their sixth subject will be Mentoring. This will be in a teacher facilitated, timetabled class.

Mentoring will involve students undertaking a course of study designed to meet their learning needs based on subject selection, career pathways and desired NCEA outcomes.

This course may offer some career based/workplace Standards.

### **Entry Criteria**

Application via course selection sheet. Approval via Deputy Principal.

### **For further information**

Mr Romans



# Music

## LEVEL ONE

### Course description

*The Music course enables you to develop knowledge and understanding of music in past and present contexts. You will recognise music's contribution to, and significance in, contemporary culture. You will experiment with the elements of music and discover structural devices for shaping sound into music. You will draw on your developing knowledge to compose and arrange. You will develop fluency, musicianship, and technical control as you rehearse and present individual and group performances.*

### Course of Study

The Level 1 Music course develops the skills of

- solo and group performance
- composition
- score reading / conventions used in music scores
- music works (a study of two works; one classical and one of New Zealand "pop" genre)

### Assessment

**Internal** (4 achievement standards offered)

- 1.1: Solo performance (6 credits)
- 1.2: Group performance (4 credits)
- 1.3: Composition (6 credits)
- 1.6: Music works (6 credits)

**External:** (1 achievement standard offered)

1.5 Conventions in music scores (4 credits)

### Costs

(NCEA Level 1 fees)

### Entry criteria

While the Year 10 Music course is a valuable preparation for NCEA Level 1 Music, if you are competent on an instrument or in voice, and have developed a competent level of general musicianship you may elect to make a direct entry into the Level 1 course after consultation with the Head of Music.

**Co-requisite** (you MUST meet this requirement at the same time as the NCEA requirement)

You must commit to continued tuition on your chosen instrument(s) or voice for the entire year to take this course. (Note – unless you are already learning an instrument / singing you are not eligible to do this course)

### For further information:

Mrs Lindroos

# Music

## LEVEL TWO

### Course of Study

The Level 2 Music course builds on the skills developed at Level 1.

A selection from the following are studied:

Making Music

- solo and group performance

Music Studies

- instrumentation
- score reading / conventions used in music scores
- music works (study of two main works, including a comparison of these contrasting works, one of which will be a New Zealand work)
- investigation

### Assessment:

#### Internal (5 Achievement Standards offered)

- 2.1: Solo performance (6 credits)
- 2.2: Solo performance on a second instrument (3 credits)
- 2.3: Group performance (4 credits)
- 2.8: Instrumentation for an ensemble (4 credits)
- 2.9: Investigate an aspect of NZ music - 4 credits

#### External (2 Achievement Standards offered)

- 2.6: Conventions used in music scores (4 credits)
- 2.7: Music works (6 credits)

### Costs

Individual Tuition

### Entry criteria

This course is suitable if you have successfully completed NCEA Level 1 Music. To be able to do this course with success you need to have achieved a minimum of 4 Level 1 Music Achievement Standards, at least one achieved with Merit.

**Co-requisite** (you MUST meet this requirement at the same time as the NCEA requirement)

You must commit to continued tuition on your chosen instrument(s) or voice for the entire year to take this course.

### For further information

Mrs Lindroos

# Music

## LEVEL THREE (UE approved)

### Course of Study

The Level 3 Music course builds on the skills developed at Levels 1 and 2, allowing for the specialisation of areas of strength. A selection of topics from the following are studied:

Making Music -

- solo and group performance
- composition

Music Studies

- harmonic techniques and analysis
- research of a music topic
- materials and processes used in music
- analysis and context of music works
- examining contexts that influence the expressive qualities of the music
- arranging

### Assessment

#### Internal (6 Achievement Standards offered)

- 3.1: Solo performance (8 credits)
- 3.2: Solo performance of a second instrument (4 credits)
- 3.3: Group performance (4 credits)
- 3.8: Influence of context on a substantial music work (4 credits)
- 3.9: Arrangements (4 credits)
- 3.10: Research a music topic (6 credits) (R)

#### External (2 Achievement Standards offered)

- 3.6: Harmonic and tonal conventions used in music work (4 credits)
- 3.7: Analysis of a substantial music work (4 credits)

### Costs

Individual Tuition

### Entry criteria

This course is suitable for students who have completed NCEA Level 2 Music. To be able to do this course with success you need to have achieved a minimum of five Level 2 Music Achievement Standards, at least one achieved with Merit.

**Co-requisite** (you MUST meet this requirement at the same time as the NCEA requirement)

You must commit to continued tuition on your chosen instrument(s) or voice for the entire year to take this course.

### For further information

Mrs Lindroos

# Outdoor Education

## LEVEL TWO

### Course of Study

You will have the opportunity to improve personal skills such as self-confidence, responsibility, risk management, setting goals and meeting challenges, communication, teamwork, leadership and environmental awareness. You also learn physical skills in areas of watercraft, bushcraft and mountaineering. There is also the opportunity to use the school's Challenge Ropes Course. You will not miss a great deal of school time as there is an afternoon dedicated to Outdoor Education and expeditions are mostly at weekends. There is one week away from school at end of Term 1.

### Assessment

US	Level 1	4 credits available
US	Level 2	35 credits available
US	Level 3	9 credits available

### Costs

#### Approx. costs for the full course - \$500

Students will be given a detailed breakdown of course costs at the start of the year. Full payment of course fees will be required before the first expedition in Term 1.

### Entry Criteria

**This course is in high demand so students must apply for entry. Entry to this course is at the Principal's discretion.**

Factors taken into account may include behaviour, attitudes and attendance prior to application.

### For further information

Mr Titchener

# Outdoor Education

## LEVEL THREE

### Course of Study

You will extend and take the skills learned in Level 2 to a higher level. There is a strong emphasis on expedition planning and participation.

You will have an afternoon each week dedicated to Outdoor Education and expeditions mostly at weekends. There is one week away from school at the end of Term 1 and a week-long tramp in Term 2. There is also an extended weekend mountain climbing at end of Term 3. You will be expected to keep up with your school work following the Outdoor Education trips.

### Assessment

US	Level 2	8 credits available
US	Level 3	74 credits available although the skills elective system in Level 2 Outdoor Education will realistically restrict students to achieving about 50 credits.

You can also attain an Achievement Standard in Education for Sustainability Level 2 (4 credits)

### Costs

#### Approx. costs for full course - \$600.

Students will be given a detailed breakdown of course costs at the start of the year. Full payment of course fees will be required before the first expedition in Term 1.

### Entry Criteria

You should have taken Outdoor Education in Level 2. If you have not done so but can demonstrate a high level of competency and commitment you may be considered.

### For further information

Mr Titchener

# Physical Education

## LEVEL ONE

### Course Description

*This is a theory and practical based course designed to introduce concepts which will be developed through to Level 3. To be successful, each student will have to maintain a variety of accurate written logs and reports. Many of the standards offered also contribute to Level 1 Literacy. This is a challenging course of study, but if motivated and enthusiastic, it will also be very rewarding.*

### Course of Study / Assessment (All internal)

**Internal:** 18-25 credits

- 1.1:** Participating in a variety of activities (5 credits)
- 1.2:** Anatomy, Biomechanics and exercise physiology (5 credits) (Level 1 Literacy)
- 1.3:** Performance a physical activity (3 credits)
- 1.5:** Demonstrate Interpersonal skills in a team activity (4 credits) (Level 1 Literacy)
- 1.6:** Learn to break down a skill and develop it (3 credits) (Level 1 Literacy)
- 1.7:** Risk management and responsibility in the outdoors (3 credits) (Level 1 Literacy)
- 1.8:** Student leadership (2 credits)

### Costs

Although there is no set cost, students are encouraged to buy the course workbook. There may be some additional costs during the year depending on the opportunities available.

### Entry Criteria

Strong consideration will go to those who have **participated positively in the Yr 10 Physical Education programme.** This includes the written components offered in Physical Education and Health

### For further information

Mr Powell

# Physical Education

## LEVEL TWO

### Course Description

*This is a theory and practical based course designed to improve and reinforce the concepts learnt in Level 1. You need to be motivated, enthusiastic and complete work in your own time to be successful. There are 3 standards that contribute to Level One Literacy. This is a challenging course of study, but if motivated and enthusiastic, it will also be very rewarding.*

### Course of Study / Assessment (All internal)

**Internal:** 17-22 credits

- 2.2:** Biophysical concepts in Physical activity (5 credits) or 2.3
- 2.3:** Methods of training in physical activity (4 credits) (Level 1 Literacy)
- 2.4:** Physical performance (4 credits)
- 2.6:** Leadership of junior students- event management (3 credits) (Level 1 Literacy)
- 2.7:** Risk management in the outdoors (3 credits)
- 2.8:** Responsibility in an applied setting (3 credits)

### Costs

There may be small costs depending on student choice of 2.2 or 2.3.

Other cost may be added depending on the course of study. Those who do not do Outdoor Education will go on a Mountain bike trip during the kayaking section of the Outdoor Education programme. This will cost approximately \$100. Gym costs, instructor costs etc. (only one of these standards will be offered)

### Entry Criteria

Success in Level 1 PE will give priority into this course.

(Must have passed 1.2 Anatomy and Biomechanics).

Special consideration will be given to those with a proven academic record if there are places available. Must have 12 credits L1 English.

### For further information

Mr Powell

# Physical Education

## LEVEL THREE

### Course Description (All internal)

*This is a theory based course with elements of practical experiences. You need to be motivated and enthused and complete work in your own time to be successful. Students will have to coach an activity or sport during the year and participate in several organised fitness events.*

### Course of Study / Assessment - All Internal

**Internal:** 14 – 23 credits (up to 2 standards could be dropped, depending on programme decided)

**3.1:** Making connections between physical activity and personal well-being/Hauora (4 credits) (Numeracy, Level 1 Literacy)

**3.2:** Analyse a skill performed by self or others (3 credits) (Level 1 Literacy)

**3.3:** Evaluate a skill improvement programme (4 credits)

**3.4:** Demonstrate performance in an applied setting (4 credits) (Numeracy)

**3.8:** Examine Leadership styles in physical activity (4 credits) (Level 1 Literacy, Level 2 Literacy)

**3.9:** Devise strategies for a physical a activity outcomes (4 credits)

**Costs** - Although there is no set cost, students are encouraged to buy the course workbook (\$24.00). There may be some additional costs during the year depending on the context the teacher selects. The Mountain biking, outdoor activities and individual physical activities may result in some costs.

### Entry Criteria

A good assessment record in L2 Physical Education is essential. Considering the nature of written assessments, it would be expected students will have proven Literacy skills.

### For further information

Mr Powell

# Science General

## LEVEL ONE

### Course Description

This course is a study of natural phenomena. It investigates theories and uses experimental simulations to explain and extend our understanding of the world around us. It comprises of a mixture of practical and theoretical aspects. Aspects of Chemistry, Physics, Biology and Planet Earth will be studied.

### Course of Study

- Genetics
- Atomic Structure
- Acids and Bases
- Chemical Reactions
- Force, Motion and Energy
- Heat
- Metals
- Investigations
- Astronomy
- Force, Motion and Energy

### Assessment – up to 20 credits

Assessments will be selected from:

#### Internal :

- 90947: Selected chemical reactions (4 credits)
- 90950: Interactions between Humans and micro-organisms (4 credits)
- 90954: Effect on planet Earth of astronomical cycles (4 credits)
- 90943: Implication of heat in everyday life (4 credits)
- 90925: Biological Investigation (4 credits)
- 90949: Investigate life processes and environmental factors that affect them (4 credits)
- 70935: Practical Physics investigation (4 credits)
- 90946: Properties of metals for their use in society (4 credits)
- 90941: Implications of electricity and magnetism for everyday life (4 credits)

### External

- 90940: Aspects of mechanics (4 credits)
- 90944: Aspects of acids and bases (4 credits)
- 90948: Biological ideas relating to genetic variation (4 credits)
- 90926: Report on a Biological Issue (4 credits)

### Costs

Up to \$24 for a Workbook(s) (optional)

### Entry Criteria

Open Entry

### For further information

Mrs Callow

# Science General

## Internally Assessed

### LEVEL ONE

#### Course Description

*This course involves the study of practical applications of Science. It is designed for students who found Year 10 Science demanding but wish to continue with Science*

#### Course of Study

- Heat
- Metals or Chemical Reactions
- Practical Investigation
- Astronomical Cycles
- Micro-organisms
- Possibility for other topics depending on interest

#### Assessment

##### Internal – up to 20 credits

Assessments will be selected from:

90947: Selected chemical reactions (4 credits)

90950: Interactions between Humans and micro-organisms (4 credits)

90954: Effect on planet Earth of astronomical cycles (4 credits)

90943: Implication of heat in everyday life (4 credits)

90925: Biological Investigation (4 credits)

90946: Properties of metals for their use in society (4 credits)

#### Entry Criteria

Open Entry

Your teacher will recommend you for this course

#### Restrictions

This course does not automatically lead on to Level 2 Sciences. Any Level 2 course could only be done with approval from HoD Science. Students would need to show an excellent work ethic and the ability to pass a Level 2 Science subject.

#### For further information

Mrs Callow



# Science - Biology

## LEVEL TWO

### Course of Study

The Level 2 Biology course covers 4 main topics:

- Ecology
- Cell Biology
- Genetics and Evolution
- Gene Expression

Biology is a subject that leads to many careers (medicine, agriculture, fisheries, forestry, food technology, research, teaching etc). Chemistry is a very important co-requisite if advancing to tertiary studies.

### Assessment

**Internal:** up to 14 credits

91153: Practical Investigation (4 credits)

91155: Adaptations of Plants or Animals (3 credits)

91158: Investigate Patterns in Ecology (4 credits)

91160: Microscopes (3 credits)

**External:** up to 12 credits

91156: Cells (4 credits)

91157: Genetic Variation and Change (4 credits)

91159: Gene Expression (4 credits)

### Course costs

Field trip bus fare \$10

Workbook \$21

### Entry Criteria

Minimum of

- Level 1 Science 12 credits
- Level 1 English including 1.4 or 1.5 and 1.10
- Level 1 Mathematics including 1.1 (number)

or with approval of HoD Science or TiC Biology

### Further information

Ms Quinn

# Science - Biology

## LEVEL THREE

### Course of Study

Level 3 Biology is an academic course aimed at preparing you for tertiary studies in the biological sciences. If advancing in Biology, Chemistry is a requirement. Physics is highly recommended if doing Medical Sciences.

Level 3 biology topics include:

- Plant Responses and Animal Behaviour
- Animal Homeostasis (the maintenance of an internal stable environment)
- Manipulation in genetic transfer
- Processes in evolution
- Human Evolution
- Socio-Scientific issues

### Assessment

**Internal:** up to 9 credits

91604: How animals maintain a stable internal environment (3 credits) (R)

91604: A Socio-scientific issue (3 credits) (R + W)

91607: Genetic Transfer (biotechnology) (3 credits) (R)

**External:** up to 13 credits

91603: Animal Behaviour and Plant Responses (5 credits) (R + W)

91605: Evolutionary Processes –(4 credits) (R + W)

91606: Human Evolution (4 credits) (R + W)

### Course costs

Possible field trip to Orana Park \$40,  
Course manual \$30

### Entry Criteria

Level 2 Biology 12 credits (4 credits related to genetics)

### Further information

Ms Quinn

# Science - Chemistry

## LEVEL TWO

### Course Description

This course looks at the fundamental building blocks of materials (elements), and the compounds they form. It studies chemical reactions, describes how properties of substances are related to their bonding, and how this relates to their use. Experimental work is a large component of this course.

### Course of Study

- Atomic Structure, Bonding
- Organic Compounds
- Precipitation Reactions
- Volumetric Analysis
- Acids and Bases
- Quantitative Analysis
- Chemical Reactivity
- Thermochemistry
- Oxidation and Reduction

### Assessment

#### Internal

91161: Quantitative analysis (4 credits)  
 91162: Identify ions present in solution (3 credits)  
 91167: Understanding of oxidation and reduction (3 credits)

#### External

91164: Bonding structure and energy changes (5 credits)  
 91166: Chemical reactivity (4 credits)

### Entry Criteria

- 12 credits Level 1 Science including 1.8 (Chemical Reactions) or 1.5 (Acids & Bases)
- Level 1 Mathematics 1.1, 1.2 (MCAT) is an advantage
- Level 1 English 1.1, 1.4 or 1.5 and 1.10 (Response to texts)

### For further information

Mrs Callow

# Science - Chemistry

## LEVEL THREE

### Course Description

This course builds on concepts studied at Level 2.

### Course of Study

- Atomic Structure and Bonding
- Organic Compounds
- Thermochemistry
- Aqueous System Equilibrium
- Oxidation – Reduction Processes
- Quantitative Analysis Investigation

### Assessment

A selection from the following:

#### Internal

91387: An investigation in chemistry involving quantitative analysis (4 credits) (optional) (W)  
 91388: Spectroscopic data in chemistry (3 credits)  
 91389: Chemical processes in the world around us (3 credits) (R & W)  
 91393: Understanding oxidation and reduction processes (3 credits)

#### External

91390: Thermochemical principles and properties of particles and substances (5 credits)  
 91391: Equilibrium principles in aqueous systems (5 Credits)  
 91392: Properties of organic compounds (5 credits)

### Entry Criteria

Level 2 Chemistry: 12 credits  
 Level 2 Mathematics 2.6 (Algebra)

### For further information

Mrs Callow

# Science - Physics

## LEVEL TWO

### Course of Study

Physics is the study of the physical world around us and energy interactions in that world.

- Mechanics
- Electricity and Magnetism
- Nuclear Physics

### Assessment

#### Internal

91168: Practical investigation (4 credits)

91172: Atomic and Nuclear physics (3 credits)

91169: Understanding of physics relevant to a selected context (3 credits)

#### External

91171: Mechanics (6 credits)

91173: Electricity and electromagnetism (6 credits)

### Costs

Student work book \$35

Rutherford's Den trip \$15

### Entry Criteria

- 16 credits from Level 1 Science (including Aspects of Mechanics)
- 16 credits L1 Mathematics (including Algebra 1.2 and 1.3 or 1.4)

You must currently be studying Level 2 Maths Advanced.

### For further information

Mr Moulton

# Science - Physics

## LEVEL THREE

### Course of study

Physics at this level builds on the work done at Level 2.

- Rotational Motion
- Simple Harmonic Motion
- Diffraction
- Doppler Effect
- Gravitation
- Inductance
- Nuclear Physics
- Physics of the Hydrogen Atom, the photoelectric effect

### Assessment

#### Internal

91521: Practical investigation to test a physics theory (4 credits)

91522: Application of physics to a selected context (3 credits) (Optional)

91527: Modern physics (3 credits)

#### External

91524: Mechanical systems (6 credits)

91523: Wave systems (4 credits)

### Costs

Student workbook \$35

### Entry Criteria

Level 2 Physics, including both external exams.  
Study of a Level 3 Mathematics.

Level 2 Mathematics: 2.14 (simultaneous equations), 2.2 (Graphing), 2.4 Trigonometry an advantage.

There is an advantage in studying Calculus over Statistics but that would not preclude you if your Level 2 grades indicated proficiency.

### For further information

Mr Moulton

# Star

## **LEVEL TWO or THREE**

### **Course of Study**

Students may apply, but must be accepted, to undertake a STAR course

STAR courses may be studied as correspondence subjects through the Open Polytechnic of New Zealand (TOPNZ), Telford Rural Polytechnic, Aoraki Polytechnic, Otago Polytechnic etc.

STAR COURSES may also involve some practical assessment and development of work place links.

STAR courses may include: Tourism, Hospitality, Childcare, Animal Care, Hairdressing, Automotive Engineering.

These courses will be undertaken under the supervision of the Mentoring teacher.

### **Entry Criteria**

Decisions on eligibility for STAR courses will be at the discretion of the Guidance Counsellor.  
Evidence of independent work habits is a must.

### **For further information**

Mr Hayward

# Technology - Design & Visual Communication

## LEVEL ONE

### Course Description

*Graphics aims to provide a variety of design and drawing experiences which are challenging, creative, useful and enjoyable. You will be encouraged to seek individual innovative solutions and use graphics to develop, record and communicate these solutions in a variety of ways. Topics covered are:*

- *Engineering and Technical Design*
- *Architectural Design*
- *Media and Technical Illustration*

### Course of Study

The course works through three design briefs over the year with each one focusing on specific Achievement Standards.

### Assessment

**Internal:** 12 credits (3 standards)

**External:** 9 credits (3 standards)

### Costs

\$10-for specialist materials.

### Entry Criteria

Priority will be given to students who have successfully completed Year 10 Graphics

### For further information

Mr MacKenzie

# Technology - Design & Visual Communication

## LEVEL TWO

### Course Description

*The emphasis will be on using different graphical modes and media to solve the set problems. Graphical modes might include computer applications, mock-ups, models, freehand sketches and formal drawing methods.*

Topics covered are:

- Engineering & Technical Design
- Architectural Design
- Media & Technical Illustration

### Course of Study

A series of design briefs with a portfolio assembled in Term 3 for external assessment.

### Assessment

**Internal:** 15 credits (3 standards)

**External:** 10 credits (3 standards)

### Costs

\$10-for specialist materials.

### Entry Criteria

Year 11 Graphics with at least 12 credits achieved

### For further information

Mr MacKenzie

# Technology - Design & Visual Communication

## LEVEL THREE

### Course Description

*You are expected to take charge of a larger portion of your own learning. You are to initiate design projects based on the actual needs and requirements of clients. Project work will be based on the following graphical areas:*

- *Engineering or Technical Design*
- *Architectural or Environmental Design*
- *Media or Technical Illustration*

*The challenge at this level is to produce work that contain a variety of experiences, models, systems, knowledge, values, problems, decision making and issues concerning design and designing. You should seek and experiment with your own chosen design propositions as well as those provided by clients that are both market led and problem led.*

### Course of Study

The course works through three design briefs over the year with each brief focusing on specific Achievement Standards.

### Assessment

#### Internal: 12 credits

AS 3.32: Re solve a spatial design through graphics practice. (6 credits)

AS 3.33: Resolve a product design through Graphics practice. (6 credits)

#### External: 10 credits

AS 3.30: Initiate design ideas through exploration (4 credits)

AS 3.34: Produce working drawings to communicate production details for a complex design. (6 credits)

### Costs

\$10: for specialist materials.

### Entry Criteria

Level 2 Graphics with at least 12 credits achieved

### For further information

Mr MacKenzie

# Technology - Digital

## LEVEL ONE

### Course of Study

You will have the opportunity to gain skills in digital media, digital information, digital infrastructure and computer science.

Units of work may be selected from:

- Office and Business IT
- Computer infrastructure
- Programme design and coding
- Digital media
- File management and ethical issues in managing information

### Assessment

Assessments offered will be a mixture of Generic Computing Unit Standards and Digital Technologies Achievement Standards.

<b>Internal</b>	Up to 18 credits
<b>External</b>	7 credits

### Entry Criteria

Open, but priority will be given to students who have completed a Year 10 Digital Technologies course.

### For further information

Mr McCaskill

# Technology - Digital

## LEVEL TWO

### Course of Study

The Level 2 Digital Technology course gives students an insight into computer science, business computing and design.

Depending on student ability and interest, topics may be selected from:

- computer graphics and animation – digital media
- desktop publishing and print design
- web programming and design
- video / audio editing
- databases and spread sheets
- program design and coding
- robotics

### Assessment:

In 2017 the assessments offered will be a mixture of Vocational Pathway Computing Unit Standards and Digital Technology Achievement Standards. A total of up to 30 NCEA credits may be offered and students can also achieve the National Certificate in Computing (Level 2). The standards offered will be detailed in the specific assessment statement given to students at the start of the year. The course is structured so that students can have some choice in the standards they wish to attempt.

### Entry Criteria

NCEA Level 1. A minimum of 10 Level 1 Maths (Maths 1.1) and 10 Level 1 English credits (English 1.4, 1.10) are desirable. Any Computer Science components require good Maths skills.

While Level 1 Digital Technology skills are an advantage, they are not a prerequisite for entry to this course.

Students need to have good independent work habits.

**Further information:** Mr McCaskill

# Technology -Digital

## LEVEL 3

### Course description:

The Level 3 Digital Technologies course builds on a student's knowledge of IT systems and DT applications from Level 2 but there is a greater emphasis on planning and design to meet a client brief (technology process). The course content depends on student interest and ability and includes three strands:

Computer Science - a range of topics which may include coding

Business applications - databases, print design

Media and Design - computer graphics, video production, website and page design

### Assessment:

In 2017 assessment will be from a selection of Computing Unit Standards and Digital Technologies Achievement Standards. All are internal other than one Computer Science external. Sufficient credits are offered for students to obtain UE in this subject (14 credits), but students need to have considerable academic ability to achieve these.

A total of up to 30 NCEA credits are offered and students can also achieve the National Certificate in Computing (Level 3). Students have some flexibility in what assessments they wish to attempt and can choose an individual assessment pathway.

### Entry Criteria

NCEA Level 2. Students who have successfully completed a Level 2 course will be given entry priority, although able students with Technology, Design, DVC or Maths skills will be accepted for entry.

### Further information

Mr McCaskill



# Technology - Food

## LEVEL ONE

### Course Description

Some of the units in this course will improve your knowledge of the nutritional needs of teenagers, and methods of planning and preparing foods to meet them. Others will focus solely on the product development process and the production of new food products to meet a specific design brief. The development and refinement of practical skills will feature throughout the course. Food Technology is a worthwhile subject in its own right. When combined with a science, it leads on to even more exciting career pathways.

### Course of Study

- safe food handling practices
- the nutritional needs of teenagers
- planning and preparing food to meet nutritional needs
- planning and developing food products
- knife handling skills
- food advertising and promotion

### Assessment (up to 24 credits)

#### Internal (up to 20 credits)

- AS 90959: Strategies and knowledge to address food handling issues (5 credits)
- AS 91082: A 'new food' product development project (4 credits)
- AS 91049: The function of ingredients in product development (4 credits) (optional)
- AS 90956: Meeting the nutritional needs of teenagers (5 credits)
- US 21059: Knife skills and care (2 credits)

#### External (4 Credits)

- AS 90961: Labelling and promotion of food products (4 credits)

### Costs

\$80 - this covers all food costs, and includes one or two practical lessons each week.

Most foods prepared will be suitable for lunches or substantial snacks.

### Entry Criteria

Priority will be given to students who have successfully completed the Year 9 or Year 10 Food Technology course. A sound level of literacy is essential, as is a strong work ethic.

### For further information

Ms Anderson

# Technology – Food

## LEVEL TWO

### Course Description

Advanced product development and related topics, and the investigation of issues relating to nutrition are the focus of this course. Further development of practical food preparation and knife skills are incorporated throughout. Interest, ability and qualifications in Food Technology and/or Nutrition leads on to a variety of careers, especially but not only, when combined with a science. Achievement standards are used to assess this course, other than assessment of your barista and knife skills. A wider selection of Unit Standards are on offer if required for individual students.

### Course of Study

- Investigation and development of a selected complex food product.
- Exploring the role of ingredients in the development of new food products or
- Exploring nutritional issues faced by people with specific food needs e.g. high energy user, food allergies
- Sustainable food related practices
- Food preparation and presentation, and advanced knife skills
- Evaluation of nutritional health promoting strategies used by the media
- Barista (STAR funded course)

### Assessment

#### Internal (up to 20 credits)

AS 91351: Implement advanced procedures to process a specified product (4 credits)

AS 91359: Understanding ingredient evaluation in product development (4 credits)

or

AS 91299: Investigation of a nutritional issue (5 credits)

AS 91302: Evaluate sustainable food related practices (5 credits)

US 13285: Advanced knife skills (2 credits)

### Ara Polytechnic (4 credits)

Barista Skills (coffee making) (4 credits) (Unit Standard)

### External (4 credits)

AS 91304: Evaluating nutritional health promotion strategies (4 credits) (W)

### Costs

\$80 (this covers all food costs)

### Entry Criteria

Priority will be given to students who have successfully completed the Year 11 Food Technology course, gaining at least 12 credits, or at the discretion of the HOD

### For further information

Ms Anderson

# Technology – Food

## LEVEL THREE

### Course Description

This course provides opportunity for students to advance their food preparation and product development skills and understanding, and to improve their knowledge and application of nutrition. (Options will be available if a student wishes to specialise in just one of these areas) Success in Food Technology and/or Nutrition provides a pathway to a range of tertiary courses and can also lead directly into the industry. Students complete a series of standards, all of which include both a theory and practical component. Some cookery standards are able to be completed at Ara Polytechnic for those who wish to include unit standards in their NCEA programme.

### Course of Study

- Investigation and development of a selected complex food product
- Using the product development process to develop a food product to meet a local need
- Nutritional issues affecting our society or community
- Developing and implementing an action plan to address a nutritional issue
- Media influences on food choices
- Practical coffee making – Level 3 STAR course at Ara Institute

### Assessment

**Internal** (up to 22 credits)

AS 91463: Development of a complex food product (6 credits)

AS 91611: Development of a prototype to meet a specific need or opportunity (6 credits)

AS 91466: Investigating a nutritional issue (5 credits) (R)

AS 91467: Implementing an action plan to address a nutritional issue (5 credits)

**External** (4 credits)

AS 91471: Analysing the influences of food advertising (4 credits) (W)

**This is a University Approved Course** - 14 credits from the three Nutrition based standards offered, with others able to be added by negotiation.

### Aoraki Polytechnic

Barista skills – 4 credits (Unit Standard)

Cookery - Up to 8 credits (optional unit standards)

### Costs

\$70 (this covers all food costs and includes one or two practical cookery classes each week, depending on the requirement of the standard you are working on)

### Entry Criteria

Successful completion of the Level 2 Food Technology course or at the discretion of the HoD

### For further Information

Ms Anderson

# Technology – Hard Materials

## LEVEL ONE

### Course Description

This course will involve students in the development of knowledge and skills in the use of materials, tools and the design process, to develop design solutions to meet specific design briefs. Both wood fabrication and engineering skills will be included, as will the use of hand and machine tools.

### Course of Study

The first project is an aluminium tool box using a set design. The second project is a chair of individual design. Both projects are assessed using Achievement Standards and some Unit Standards.

### Assessment

Achievement Standards (16 credits)

91057: Implement basic procedures using resistant materials to make a specified product (6 credits)

91044: Undertake brief development or address a need or opportunity (4 Credits).

91047: Undertake development to make a prototype to address a brief (6 Credits)

### Optional

2 Unit Standards – Up to 8 credits

### Costs

\$65 to cover consumables and take home materials for the first project. Costs for subsequent projects will be advised at the time.

### Entry Criteria

Priority will be given to students having successfully completed the Year 10 Hard Materials Technology course.

### For further information

Mr Keeley

# Technology – Hard Materials

## LEVEL TWO

### Course Description

This course will involve students in developing their technological literacy for the design and production of products to meet specific design briefs. Design engineering and wood fabrication skills will be included as will hand and machine tools and various processes. A three-day welding course may be available to students at the Ara Institute, providing three credits.

### Course of Study

The first project is a folding table, which is a set design. The second project is a lighting system of individual design. Both projects are Achievement Standard based and have Unit Standard input.

### Assessment – all Internal

**Achievement Standards** (12 credits)

AS 91344: Implement advanced procedures using resistant materials to make a specified product (6 credits)

91357: Undertake effective development to make a trial and prototype (6 credits)

### Optional

**Unit Standards** (3 credits)

21907: Welding procedures (3 credits)

### Costs

\$85 to cover consumables and take home materials for the first project. Costs for subsequent projects will be advised at the time.

### Entry Criteria

Priority will be given to students who have successfully completed the Level 1 Hard Materials course.

### For further information

Mr Keeley

# Technology - Textiles

## LEVEL ONE

### Course Description

*This course is designed to provide students freedom to incorporate their own design ideas and improve their practical skills in pattern adaption, sewing and Technology Literacy and problem solving*

### Entry Criteria

It is preferred that students have taken Textiles in either Year 9 or 10 but not essential for entry at Level one.

### Assessment

#### Internals (up to 18 credits)

- Undertake brief development to address a need or opportunity (4 credits)
- Adapting a pattern to create a sustainable design for mufti days (4 credits)
- Implement basic procedures using textiles materials to make a specified product (6 credits)
- Use design ideas to produce a conceptual design to produce an outcome to address a brief (4 credits)

#### External (4 credits)

- Writing a report on the way technological modelling is used in the design of textile items (4 credits)

### Costs

\$15 to cover specialist materials for projects  
Patterns and fabrics are the students own cost

### For further information

Ms Clark

# Technology - Textiles

## LEVEL TWO

### Course Description

*This course is designed to provide students the freedom to develop their own designs through pattern adaptation and advance their technical skills in Textiles construction as well looking at the roll of sustainability in Design.*

### Course of Study / Assessment

#### Internals (up to 20 credits)

AS91356: Develop a conceptual design for an outcome (6 credits)  
AS91345: Implement advanced procedures using textile materials (6 credits)  
AS91350: Make advanced adaptations to a pattern (4 credits)  
AS91354: Undertake brief development to address an issue (4 credits)

#### External (4 credits)

AS91363: Demonstrate understanding of sustainability in design (4 credits)

### Costs

\$15 to cover specialist materials for projects  
Patterns and fabric are the student's own cost

### Entry Criteria

Successful completion of Level 1 Textiles Technology or by negotiation with teacher.

### For further information

Ms Clark

# Technology - Textiles

## LEVEL THREE

### Course Description

*This course is designed to enable students to follow a design process used in the fashion industry in order to develop a product from a concept to final outcome. They will be advancing their skill levels in designing, pattern drafting, applied design and constructing.*

### Course of Study / Assessment

#### Internal (up to 18 credits)

Students can select from:

AS91621: Implement complex procedures using textile materials (6 credits)

AS91610: Develop a conceptual design considering fitness for purpose (6 credits)

AS91626: Draft a pattern to interpret a design for a garment (6 credits)

#### External

AS91617: Undertake a critique of a technological outcome's design (4 credits) (W)

A University approved course offering up to 22 credits

### Costs

\$15 to cover specialist materials for projects.  
Patterns and fabrics at student's own cost

### Entry Criteria

Successful completion of Level 2 Textiles or by negotiation with the teacher.

### For further information

Ms Clark

# Vocational Pathways Programmes (VPath)

## LEVEL 2 and 3

### Course Description

VPath courses are offered through Ara (Aoraki Polytechnic) and involve one full school day per week on their campus throughout the school year, usually a Friday but maybe other days of the week.

VPath courses teach theory and skills for specific career pathways e.g. Engineering, Automotive, Building, Childcare, Business, Beauty Therapy, Hairdressing etc

Students in Year 12 & 13 are eligible to apply, but this may only be done after consultation with appropriate teaching staff with careful thought given as to how it would fit with a meaningful full year school programme.

As well as having the approval of the school, students seeking acceptance into VPath will need to follow an application process which will include an interview with an Ara representative.

Students accepted for VPath will be allocated study or mentoring time as part of their school programme to allow for catch up time with work missed.

### Entry Criteria

Application. Evidence of independent work habits. Good academic and pastoral records.

### For further information

Mr Hayward