

Curriculum Handbook 2010



Rangiora High School

Please note that course fees quoted in this booklet are accurate at the time of printing, however, they are subject to change. Final course fees are confirmed and notified with course outline information in February 2010.

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Senior Staff

Principal

Mrs P Burrows

Deputy Principals

Ms J Malcolm

Mr B Hays

Mr W Hegarty

Mr C Quigley

Counsellors

Mrs J Patterson

Mr M Flavell

Mr Collie

Academic Dean

Mr S Kersey

Careers Adviser

Ms A McGowan

House

Hillary

Lydiard

Mansfield

Ngata

Rutherford

Sheppard

Head of House

Mr R Smith

Mrs P Bernards

Mrs M Stephenson

Mr T Kirby

Mr S Wright

Mr M Cortesi

Dean of House

Mr A Cotter

Mrs P Graham

Mr A Drayton

Mr R Winson

Ms S Reed

Ms A Hay

Heads of Departments / Teachers In Charge of Subjects

Mrs J Robertson

Ms A McGowan

Ms P McDonald

Mr G Crawford

Mr N Moyle

Mr L Hawke

Ms A Shepherd

Ms C Anderson

Mrs A Kininmonth

Mrs F Roberts

Ms A Wiseman

Mrs M Bayley

Mr B Rollo

Mrs C Rowe

Mrs J Searle

Mrs D McCracken

Mr R Henson

Mr J Fahey

Mrs M Neate

Mr R Smith

Mr J Gilbert

Miss K Gallen

Mrs N Geldard

Mr S Kersey

Mrs A Kininmonth

Mrs H Lord

Art

Careers/Transition

Commerce

English

Geography/Tourism

Graphics, Furniture, Engineering

Health

Food & Textile Technology

Computer Information Systems

Land Based Studies

Languages

Mainstream Support Unit

Mathematics

Music

Physical Education

Science/ Chemistry

Social Studies

Sport

Learning Support

Automotive Engineering

Biology

History / Classics

Media Studies

Physics

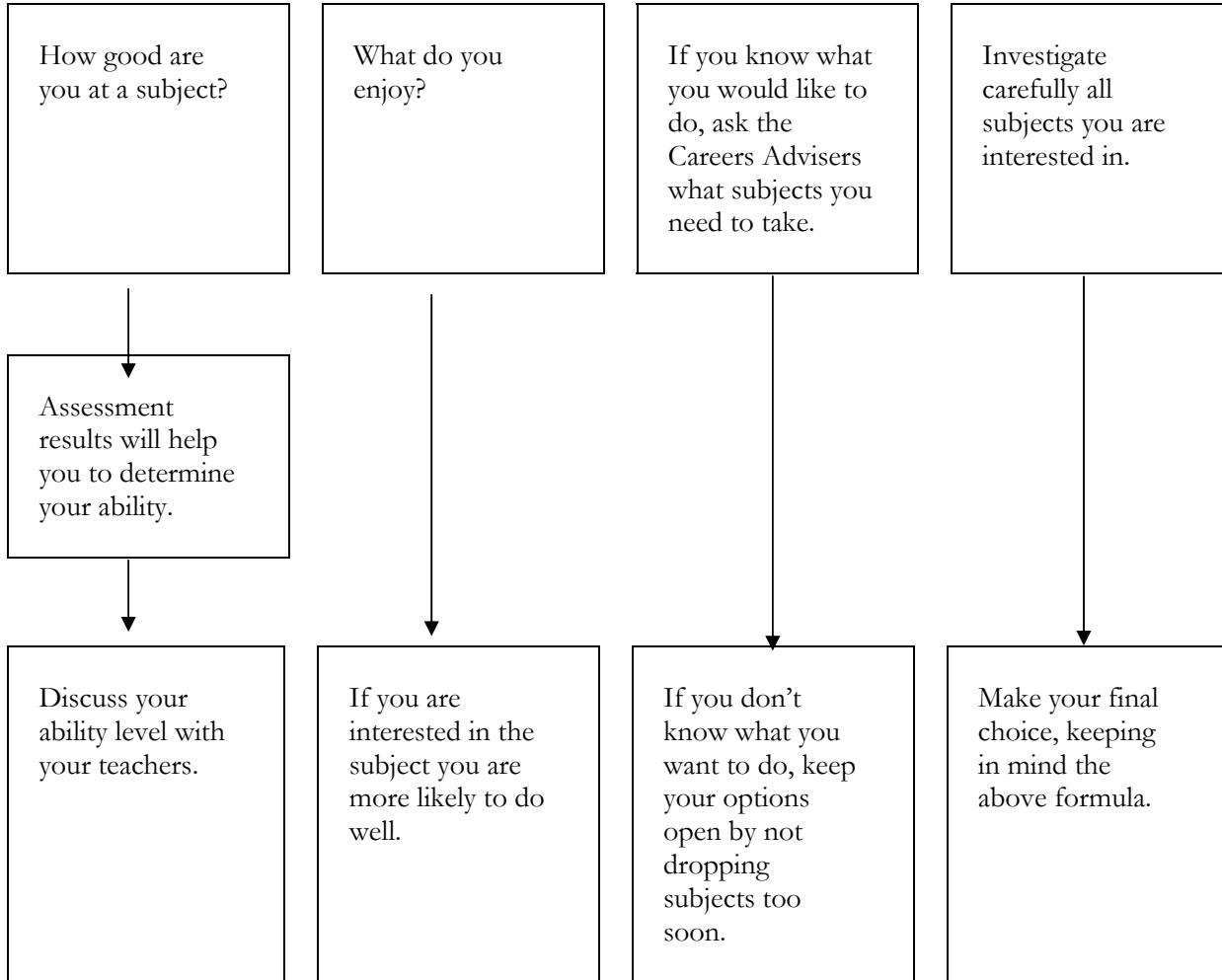
Technology

ESOL

Choosing A Course Of Study

Here is a formula that may help you

Ability + Interest + Career Pathway = Subject choice



If you need help with your choice of subject please ask:

- your present Subject Teacher
- your Form Teacher
- your Dean
- a Guidance Counsellor - Mrs J Patterson, Mr Flavell or Mr Collie
- a Careers Adviser - Ms McGowan, Mr Smith, Mrs Wilkins

Summary of Courses Available

This Summary is intended as a guide to see how subjects and courses develop during Years 9-13. Students may study at different levels depending on the number of credits they have achieved the year before. The Head of Department and Dean will advise on the appropriate level. Please read the course outlines on the following pages for accurate details of subjects offered.

Department and Subjects Offered	Year 9	Year 10	Year 11	Year 12	Year 13	Approved subject for University Entrance
Art						
Art	*9	10	NCEA	NCEA		
Painting				NCEA	NCEA	#
Photography				NCEA	NCEA	#
Sculpture				NCEA	NCEA	#
Design				NCEA	NCEA	#
Art History				NCEA	NCEA	#
ASDAN / TAP			NCEA	NCEA	NCEA	
Automotive Engineering						
Automotive				NCEA / NQF	NCEA / NQF	
Careers / Transition						
Transition			NCEA			
Pre-employment				NCEA		
Skill Pathways					NCEA	
Commerce						
Accounting		10	NCEA	NCEA	NCEA	#
Business Studies				NCEA	NCEA	
Consumer Economics			NCEA			
Economics	9	10	NCEA	NCEA	NCEA	#
Legal Studies				NCEA	NCEA	
Drama						
Drama	9	10	NCEA	NCEA	NCEA	#
English						
English	*9	*10	* NCEA	* NCEA	NCEA	#
Senior Literary Criticism					NCEA	#
Internal English			NCEA	NCEA	NCEA	
Media Studies	9	10	NCEA	NCEA	NCEA	#
Communication Studies					NCEA	
Geography						
Geography			NCEA	NCEA	NCEA	#
Tourism				NCEA / NQF	NCEA / NQF	
Graphics						
Graphics	9	10	NCEA	NCEA / NQF	NCEA / NQF	Ø
Health						
Health	*9	*10	NCEA	NCEA	NCEA	#
Health / Physical Education			NCEA	NCEA		
Health/Home Economics					NCEA	
History						
Classical Studies				NCEA	NCEA	#
History			NCEA	NCEA	NCEA	#

Department and Subjects Offered	Year 9	Year 10	Year 11	Year 12	Year 13	Approved subject for University Entrance
Home Economics						
Home Economics	9*	10	NCEA	NCEA		
Home Economics/Health					NCEA	
Home Economics – Food Studies				NCEA	NCEA	
Home Economics - Family, Home and Society				NCEA	NCEA	
Kapahaka -Ka Awatea	9	NCEA	NCEA	NCEA	NCEA	
Land-Based Studies						
Agriculture	9	10				
Agricultural / Horticultural / Science			NCEA	NCEA	NCEA	##
Animal Care			NCEA	NCEA	NCEA	
Animal Husbandry	9	10				
Equine Studies			NCEA /NQF	NCEA/ NQF	NCEA/ NQF	
Horticulture	9	10	NCEA			
Rural Studies			NCEA /NQF	NCEA/ NQF	NCEA/ NQF	
Languages						
English for speakers of Other Languages (ESOL)	✓	✓	NCEA ✓	NCEA ✓	NCEA ✓	
French	9	10	NCEA	NCEA	NCEA	#
Japanese	9	10	NCEA	NCEA	NCEA	#
Languages for Tourism, Travel and Employment			NCEA	NCEA	NCEA	
Te Reo Maori	9	10	NCEA	NCEA	NCEA	#
Te Reo Maori for Beginners			✓	✓	✓	
Mathematics						
Mathematics	*9	*10	* NCEA	NCEA		
Mathematics Applied			NCEA / NQF	NCEA / NQF	NCEA / NQF	
Mathematics Advanced				NCEA		
Mathematics with Calculus				NCEA	NCEA	#
Mathematics with Statistics and Modelling				NCEA	NCEA	#
Music						
Music Studies	*9	10	NCEA	NCEA	NCEA	#
Physical Education						
Outdoor Pursuits					NCEA/ NQF	
Physical Education	*9	*10	NCEA	NCEA	NCEA	#
Sports Leadership					NCEA/ NQF	
Sport and Recreation			NCEA/ NQF	NCEA/ NQF		
Science						
Science	*9	*10	* NCEA	NCEA	NCEA	#
Biology				NCEA	NCEA	#
Chemistry				NCEA	NCEA	#
Electronics				NCEA / NQF		
Physics				NCEA	NCEA	#
Social Studies						
Social Studies	*9	*10				
New Zealand Studies			NCEA			

Department and Subjects Offered	Year 9	Year 10	Year 11	Year 12	Year 13	Approved subject for University Entrance
Sport						
Sport			*✓	*✓	*✓	
Trade Skills						
Mechanical Engineering Technology			NCEA / NQF			
Wood Work			NCEA / NQF			
Engineering				NCEA / NQF	NCEA / NQF	
Furniture				NCEA / NQF	NCEA / NQF	
Automotive				NCEA / NQF	NCEA / NQF	
Technology						
Computer Information Systems	9	10	NCEA	NCEA / NQF	NCEA / NQF	#
Electronics & Control	9	10				
Enterprise Studies		10				
Food	9	10	NCEA			
Hard Materials (acrylic, wood, metal)		10				
Production & Processes		10				
Soft Materials – Textiles	9	10	NCEA	NCEA	NCEA	
Structures & Mechanisms	9	10				
Technology (Generic)			NCEA	NCEA	NCEA	#

* Compulsory at this level

9 Year 9 Course

10 Year 10 Course

NCEA National Certificate of Education Achievement

NQF National Qualifications Framework

✓ Local subjects with perhaps a Rangiora High School or National Association Certificate.

Approved for University Entrance and Scholarships in all Universities

Approved for University Entrance but not Scholarship

ó Available for Scholarship

Information on Unit/Achievement standards offered, and credits available, contained in this booklet is up-to-date at the time of printing, but may be subject to change following the review process carried out by NZQA.

Timeline for Course selection

Monday, 20 July	Staff Development Meeting on Course Selection Course booklets issued to staff
Tuesday, 21 July	Distribution of Course Information books and Course Selection Sheets. Form times Tuesday – Friday From Tuesday, 21 July 2009, until Thursday, 13 August 2009, Mrs McGowan and other Careers staff will be available in the Careers Room (J2) at lunchtimes for advice and guidance.
Tuesday, 11 August	Student Achievement Interview Day: parents and students meet with teachers and course selection advice can be given at this time, as well as present progress in class. Careers Advisors will be available in the Careers Room [J2].
<i>Friday 14 August</i>	Current students must have returned Course Selection Sheets to Form Teachers by this date.
From 14 August	On-going individual advice from Form Teachers, Subject Teachers, Heads of Department, Deans, Careers Advisors and Guidance Counsellors.

Year 8 Students

Friday, 5 June	Closing date for enrolments
Wednesday, 29 July	Course Booklets and Course Selection sheets out to contributing schools and to those students who have enrolled.
Thursday, 6 August	Year 8 Parents' Evening
Friday, 14 August	Final day for the return of Course Selections sheets from Year 8.

Weekly Programme

Periods per week

	FT	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25
Yr 9	20 mins each day	English	Maths	Science	Social Studies	Phys Ed	Art ½ year		Language CIS		4 Electives 1 per term															
							Music ½ year		Home Economics																	
									Health 1 per term																	
Yr 10	20 mins each day	English	Maths	Science	Social Studies		Phys Ed	H E A L T H	Two		Electives															
Yr 11	20 mins each day	English	Maths	Science	Three Elective Subjects							Study Sport														
Yr 12	20 mins each day	English Compulsory	Five other choices										Study Sport													
Yr 13	20 mins each day			Five Subjects					Study					Study Sport												

Course Selection for 2010 Year 9 Students

All Year 9 students study: (see pages 23-146 for course descriptions)

English	Mathematics
Science	Social Studies
Physical Education	Health
Art	Music
CIS (Computer Information Systems)	Home Economics

English for Speakers of Other Languages is offered.

Some students will be selected by the Learning Support Team (Literacy Unit) to have extra support in reading.

Year 9 Course Structure

Time per week	Term 1	Term 2	Term 3	Term 4
4 hours	English			
4 hours	Mathematics			
3 hours	Science			
3 hours	Social Studies			
2 hours	Physical Education			
3 hours	Art		Music	
3 hours	Health	CIS	Technology Choice	Technology Choice
3 hours	Beginner Language choice	Home Economics	Option Choice	Option Choice
25 hours				

In addition students must choose from the following list:

- TWO TECHNOLOGY COURSES (see pages 11 to 14)
- ONE LANGUAGE Students intending to take a language for NCEA Level 1, in Year 11, must take this language for two terms in Year 9 (and Year 10) ie Language 2 must be one of the options chosen. However, some students with prior knowledge of Japanese, may just choose Japanese 2
- TWO more OPTIONS from anywhere in these 3 columns.

Technology	Languages	Other Subjects
Electronics and Control (Robotics)	Beginner French	Agriculture (see page 15)
Food	French 2	Animal Husbandry (see page 15)
Structures and Mechanisms	Beginner Japanese	Drama
Soft Materials / Textiles	Japanese 2	Economics
	Beginner Te Reo Maori	Graphics
	Te Reo Maori 2	Horticulture (see page 15)
		Kapahaka – Ka Awatea
		Media Studies

The Technology Curriculum – Year 9

Technology is one of the eight Essential Learning Areas that are compulsory for all students to study in years 1-10.

Technological literacy is becoming increasingly important to our everyday lives. Specialised technological knowledge and skills are vital to the current and future well-being of New Zealand – we need an increasingly wide range of technology professionals in many different fields to remain competitive and to contribute globally.

Technology is intervention by design: the use of practical and intellectual resources to develop products and systems (technological outcomes) that expand human possibilities by addressing needs and realising opportunities. Adaptation and innovation are at the heart of technological practice. Quality outcomes result from thinking and practices that are informed, critical and creative.

Technology is never static. It is influenced by and in turn impacts on the cultural, ethical, environmental, political, and economic conditions of the day.

In technology classes, students gain knowledge and skills essential to all kinds of work, university study and a successful life. They are encouraged to show initiative, be innovative and creative, be independent in their learning and to take responsibility for their work. As well they will learn teamwork and communication skills and the importance of contributing to the community both socially and economically. This learning is important to all students and equips them to participate in society as informed citizens.

Students develop technological literacy by learning three interrelated strands. **Technological Practice**, **Technological Knowledge**, and the **Nature of Technology**.

Technological Practice provides opportunity for students to examine the practice of others and undertake their own.

Technological Knowledge provides opportunity for students to develop knowledge particular to technological enterprises and environments and understandings of how and why things work.

Nature of Technology provides opportunity for students to develop an understanding of technology as a discipline and of how it differs from other disciplines.

Technology – Computer Information Systems 9CIS1

Year 9

Entry Requirements: Compulsory

Students will undertake creative projects based on the Technology Curriculum.

Content/Skills:

During this course students will use and apply computer functions and gain exposure to a variety of software applications. Students will develop knowledge and skills: an introduction to project management, codes of practice, ethical and legal considerations, how society impacts on and is impacted by technology, needs of and potential impacts on stakeholders and the environment, basic research skills, file management, drawing, design principles, computer assisted layout and design, animation, an introduction to programming, image manipulation, data entry skills, safe and efficient use of a computer, teamwork and communication skills.

During the term students will produce a portfolio of their work.

Field Trips: None

Course Costs: \$5.00 consumables

Next Step: Year 10 Computer Information Systems

Enquiries to: Mrs Kininmonth

As well students will be required to choose TWO more Technology courses from those on the next two pages.

Technology – Computer Information Systems 9CIS2

Year 9

Entry Requirements: None

Students will undertake creative projects based on the Technology Curriculum.

Content/Skills:

This course is a step up in difficulty and expectation from Year 9 Technology - Computer Information Systems, 9CIS1. Students will be provided with experiences to extend their knowledge and skills in technology across a range of disciplines. This course has a focus on illustration, design and animation and is highly recommended as preparation for study in Year 10 Technology - Computer Information Systems.

During this course students will advance their use and application of computer functions and exposure to a variety of software applications. Students will further develop their knowledge and skills: project management, codes of practice, ethical and legal considerations, needs of and potential impacts on stakeholders and the environment, research skills, file management, design principles, computer assisted layout and design, safe and efficient use of a computer, teamwork and communication skills.

During the term students will produce a portfolio of their work.

Field Trips: None

Course Costs: \$5.00 consumables

Next Step: Year 10 Computer Information Systems

Enquiries to: Mrs Kininmonth

Food Technology 9FOOD

Year 9

Context: Food Technology

This is an opportunity for students to experience what it means to be a food technologist. Students will investigate, design and trial food products that they have created themselves. The major investigation currently focuses on a variety of baked products.

Field trips: Nil

Costs: Subject fees: \$7.00 to \$12.00. Staple non-perishable ingredients are supplied by the department. Students will supply other ingredients needed for practical work.
Workbook \$5.00

Next Step: Year 10 Food Technology

Enquiries: Ms Anderson, Mrs Buckley, Ms Davidson, Mrs Howat

Robotics 9 ROB

Year 9

Context: Electronics and Control Technology

This is a fun-filled, exciting course for boys and girls who want to develop their problem solving skills, improve team building strategies and sharpen their communication skills.

This is a popular course and places fill very quickly. Girls only classes are an available option.

Students use Lego kits to build robots capable of being programmed to follow instructions. Robots can be made to dance, find treasure and play music (composed by the student of course).

Students will use Lego software to learn how to programme their robot to complete and compete in a variety of challenges.

Field Trips: Nil

Costs: Nil, however, students are responsible for the replacement of lost or damaged components.

Next Step: Year 10 Electronics and / or Year 10 Electronics for girls

Enquiries to: Mr Keenan

Context: **Materials Technology**

Students learn to use sewing equipment, operate machines, apply decoration to fabric and construct simple textile items from soft materials. They will complete a 'design and make' assignment using fabric that they have decorated to make a simple craft item / or basic style garment.

Field trips: Nil

Costs: Students will supply their own materials and some equipment, as required to produce the item they will make.
The Department can supply fabric at an approximate cost of \$10.00 or students can purchase their own.
Workbook \$3.00

Subject Fees: Approximately \$3.00 to \$5.00 is charged for consumable materials that are supplied [ie textile paint, wax, dye, overlocker thread, needles, chalk, etc.]

Enquiries to: Mrs Buckley, Ms Anderson

Context: **Build a Bridge, Make a Mechanism**

Students will investigate a range of structures to discover their physical properties, working characteristics and applications. Using this knowledge, students will build a simple structure to make informed decisions. Students then follow a process to make a mechanism and provide evidence of planning.

Field Trips: Nil

Costs: \$7.00 for materials

Enquiries to: Mr Fawcett

Year 9 Land-Based Electives

Agriculture 9 AGR

Year 9

Context: Applied science and technology

Are you interested in life on the land?

How do soils, irrigation and fertilisers produce pastures that feed the cows that make the milk which is manufactured into hundreds of products and sold all over the world?

Design your own dairy farm and then work out if robotics could do the work for you in the future.

Resources: The school farm, Inches Dairy Farm, videos, computer laboratory.

Field Trips: One field trip to a local farm

Costs: Trip approximately \$3.00

Enquiries to: Mrs Roberts or Mr Toonen

Animal Husbandry 9ANI

Year 9

Context: Applied science and technology

Are you interested in animals and farming?

Find out how New Zealand farmers and scientists have developed new breeds and better systems for handling animals and animal welfare. We have our own school farm, running sheep, cattle, horses and Guido the goat.

Field trips: One field trip to a local farm

Costs: Approximately \$3.00

Enquiries to: Mrs Roberts or Mrs Koster

Horticulture 9 HOR

Year 9

Context: Applied Science and Technology

Are you interested in plants; what makes them tick and how to grow them? How big is the Horticulture business in New Zealand?

You will grow your own vegetables in the school plots, produce some plants to take home and study methods for growing and using new plants. The class will do practical work each week, as well as theory.

Costs: \$5.00 for materials

Enquiries to: Mrs Koster

Course Selection for 2010 Year 10 Students

All students study English, Mathematics, Science, Social Studies, Physical Education and Health.

English for Speakers of Other Languages (ESOL) is offered.

In addition all study four elective subjects, each for half a year. Students intending to take a language, Art or Music in Year 11 must take these subjects for the full year.

Each student must study at least one subject from THE ARTS column and at least one from the TECHNOLOGY column. This is to meet the requirements of the National Curriculum. If the need to take two subjects for a full year makes it impossible to do a Technology subject, the Principal must be consulted.

The Arts	Technology	Other Subjects
Art	Computer Information Systems	Accounting
Art (full year)	Electronics and Control	Agriculture
Drama	Enterprise Studies	Animal Husbandry
Kapahaka—Ka Awatea Tua Rua	Food	Economics
Music	Hard Materials (acrylic, wood, metal)	Graphics
Music (full year)	Production and Processes	French (full year)
	Structures and Mechanisms	Home Economics
	Soft Materials (Textiles)	Horticulture
		Japanese (full year)
		Media Studies
		Te Reo Maori (full year)

Course descriptions can be found further on in this book.

Course Selection for 2010 for Year 11, 12 & 13 Students

WHO TO TALK TO

Students are strongly advised to make the best use possible of the course-selection times made available with **Form Teachers**. They must also consult a **Subject Teacher** in each of the subjects they intend to enrol in.

Keep your career options open by studying a broad range of subjects.

In addition many will need to seek further advice from their **Dean** or the **Careers Advisers** in J2. In many cases, **Heads of Departments** and **teachers in charge of subjects** will need to be consulted too.

MULTI-LEVEL STUDIES

Senior students (Year 11 to Year 13) may study senior level subjects from any level. This flexibility enables students:

- to reinforce learning where they have experienced difficulties
- to develop basic skills to equip them in the competition for employment
- to shape a course to meet their individual needs
- to gain more credits at the appropriate level to compete more effectively
- for entry to a job or a training course.
- to study subjects that are new to them

If the subject is in advance of their level, the student must meet the prerequisites for that course and have the approval of the Head of Department.

Some courses may not run next year if they do not have the numbers to make a viable class.

Entering National Qualifications

Students enrolled for courses leading to national qualifications eg National Certificate in Educational Achievement at Level 1, 2 or 3, or New Zealand Scholarship, will be given information on entering and paying the fees for the qualifications at the appropriate time. Students will be entered for NCEA Level 1, 2 or 3 by the school, and once they have their National Student Number (NSN) in June (for Year 11), they can log onto the NZQA site to check their entries. (www.nzqa.govt.nz).

It is school policy that most Year 11 and 12 subjects will have 18-21 credits for NCEA. Year 13 subjects will have up to 24 credits. In consultation with the HOD of the subject a year 11/12 student with a merit average or better in their internal standards may undertake further credits.

Year 11 - NCEA Level 1

All Year 11 students study English, Mathematics, Science and three other subjects. Most have an external assessment at the end of the year as well as internal assessments during the year. Achieving credits in each assessment counts towards the 80 credits needed to gain the NCEA Level 1. Students should aim to get as many 'achieved with excellence' and 'achieved with merit' grades as they can. As well, students must achieve a minimum of 8 credits for literacy (through English or Te Reo Maori) and a minimum of 8 credits for numeracy (usually through mathematics) for the NCEA Level 1 Certificate to be awarded. There is also a compulsory Study/Sport period each week.

House Deans will check all students' workloads in their proposed course and will discuss these issues with students and parents if necessary.

Year 12 - NCEA Level 2

All Year 12 students study English and five other subjects which can be multi-level. All students intending to go on in Science and Commerce subjects must take Mathematics. Most have an external assessment at the end of the year as well as internal assessments during the year. All students should check with the Careers Department (J2) to see if their subject choices fit in with their career plan. Students who are achieving well in Maths and Science in Year 11 should consider taking Chemistry, Physics, Biology and Mathematics in Year 12. A high percentage of technician and professional careers require this combination.

To gain NCEA Level 2, 60 credits at Level 2 must be achieved. Students who may not achieve their NCEA Level 1 should choose subjects with some Level 1 credits, so they can complete it and then start work on their NCEA Level 2. There is a compulsory study/sport period each week.

LITERACY AND NUMERACY REQUIREMENTS FOR ENTRY TO YEAR 12

Students who are entering Year 12 but have not yet met the minimum Literacy and Numeracy requirements of 8 credits at Level 1 NCEA in each of Literacy and Numeracy will be directed by their Dean into subjects which will enable them to gain these credits.

YEAR 12 STUDENTS WHO ARE PLANNING TO GO TO UNIVERSITY AFTER YEAR 13.

Students who are planning to qualify for University Entrance in Year 13 must check the list of available NCEA Level 3 subjects to ensure that their Year 12 course will enable them to meet the prerequisites for those subjects. For University Entrance requirements, see diagram on the next page.

House Deans will check all students' workloads in their proposed course and will discuss these issues with students and parents if necessary. Students need to be aware that the assessment load in Year 12 can be very heavy and that they should be aware of this when arranging out-of-school commitments.

Year 13 – NCEA Level 3

Students study five subjects. Most have an external assessment at the end of the year as well as internal assessments during the year. English is no longer compulsory, but students who are entering Year 13 and have not yet achieved 4 credits in reading and 4 credits in writing in NCEA Level 2 will be directed by their Dean into a course which will enable them to gain these credits.

To gain NCEA Level 3, 60 credits at Level 3 must be achieved. Students who may not achieve their NCEA Level 2 will be advised to choose subjects with Level 2 credits so they can complete it.

House Deans will check all students' workloads in their proposed course and will discuss these issues with students and parents if necessary.

All Year 13 students have timetabled study classes in one option line and there is one compulsory study / sport period each week.

YEAR 13 STUDENTS WHO ARE PLANNING TO GO TO UNIVERSITY STRAIGHT AFTER SECONDARY SCHOOL

Students intending to do a degree course at University or Polytechnic must gain University Entrance by gaining:

- a minimum of 42 credits at Level 3 or higher on the National Qualifications Framework, including a minimum of 14 credits at Level 3 or higher in each of two subjects from an approved subject list, (see the UE subjects available in the “Summary of Courses Available”) with a further 14 credits at Level 3 or higher taken from no more than two additional domains on the National Qualifications Framework or approved subjects
- a minimum of 14 credits at Level 1 or higher in Mathematics or Pangarau on the National Qualifications Framework
- a minimum of 8 credits at Level 2 or higher in English or Te Reo Maori: 4 credits must be in reading and 4 credits must be in writing.

14 credits at
Level 3 or higher
in an ‘approved subject’

14 credits at
Level 3 or higher
in an ‘approved subject’

14 credits at
Level 3 or higher
in no more than 2
domains or ‘approved
subjects’

Students who are planning to enter the New Zealand Scholarship examinations

Scholarship is not part of NCEA. It is a stand-alone qualification designed to extend very high achieving Level 3 students. The exams will cover the same content as NCEA Level 3, but at higher-level thinking skills. Students need to discuss their entry with their teachers and Dean early in the year and be prepared to do extra reading and attend tutorials as appropriate.

Other National Certificates (National Qualifications Framework or NQF)

Students can earn credits towards other qualifications in a number of subjects, by meeting the standards set in Level 1, Level 2 or Level 3 Unit Standards. Students who do not meet the required standard when first assessed for a credit in a Unit Standard may have the opportunity to be reassessed.

Unit Standards can be credited towards NCEA as well as industry-based National Certificate. At Rangiora High School you can complete these National Certificates:

National Certificate in Computing Level 3

National Certificate in Tourism Level 2

National Certificate in Agriculture Level 2

National Certificate in Mechanical Engineering Technology Level 1

As well, you can start working towards a number of other industry-based qualifications

eg National Certificate for Entry to Automotive Trades Level 2

National Certificate in Furniture Level 2

National Certificate in Design Level 2

STAR – Secondary/Tertiary Alignment Resource

STAR is funded by TEC (Tertiary Education Commission) to provide the first step for students who want to begin their career pathway while still at school.

Rangiora High School uses STAR funding to provide industry-based training in these subjects:

13 Outdoor Pursuits; 12,13 Automotive; 12,13 Furniture; 12,13 Tourism; 12 Business Studies;

11,12,13 Equine; 11,12,13 Rural Studies; 11,12 Engineering, 13 Computing, 12 Family, Home & Society,

11,12,13 Animal Care, 12 Electronics

There is provision for students to go outside the school if that meets their individual needs.

GATEWAY

The Gateway Programme is available to Year 11 – 13 students. It delivers hand-on practical learning that leads to nationally recognised qualifications. Students go on their Gateway placement one day a week, working towards Industry-Based Unit Standards. Students need to be well motivated as this is extra learning and assessment on top of their other subjects.

Academic Awards for Presentation at Senior Prizegivings

Year 13

Alma Lynskey Sports Trophy

- For the most outstanding Special Needs student who has participated in a wide range of sports and achieved to the best of their ability.

Cartwright Trophy for General Excellence in Year 13 (Dux of the school)

- Awarded to the best all-round scholar in Year 13, decided over the student's best five Year 13 subjects, which qualify for entrance to University, by aggregating results of assessment. Decision made by the Principal and the Academic Dean.
(NOTE: The winner of the Cartwright Prize will not be eligible for the Cresswell or Galloway Prizes below).

Lamb & Hayward Scholarship

- Recognises academic performance, leadership, service to the school and cultural or sporting achievement Scholarship. Decision made by Principal and the Academic Dean.

Macintosh Cup for Proxime Accessit

- Awarded to the second-best all-round scholar in Year 13, decided over their best five Year 13 subjects.

Cresswell Memorial Cup for Excellence in Year 13 Sciences

- Awarded to the best all-round Science and Mathematics student. Results aggregated from either:
 - a) Two Sciences subjects and one Mathematics subject, OR
 - b) Three Science subjects.
- Decision made by the Academic Dean.

Galloway Memorial Cup for Excellence in Year 13 Humanities

- Awarded to the best all-round Humanities student. Results of assessment from best three Humanities subjects aggregated. Decision made by the Academic Dean.

Davis Cup

- Trophy for all-round Academic and Sporting achievement in Year 13

Helmore, Bowron & Scott Prize

- Scholarship for the top all-round student studying Law or Arts at University. Awarded to the eligible student on the basis of results of assessment aggregated over his/her best four subjects. The prize may be claimed on presentation of receipts for enrolment in the appropriate University course in the following year. Decision made by the Academic Dean.

Janene Brown Memorial Cup

- For the most outstanding Special Needs Student who has participated enthusiastically in class programme and a wide range of school activities.

J.F. & D.J.C. Moffat Scholarship

- Scholarships to the most outstanding boy and the most outstanding girl intending to study Sciences at University. Awarded to the young man and young woman with the highest aggregated marks from any two pure Sciences. Mathematics results of assessment are not relevant for this award. Prizes may be claimed on proof of enrolment in an appropriate University course. Decision made by the Academic Dean.

Cruickshank Prize for Senior Practical Biology

- Awarded to Year 13 student for excellence in practical work in Biology. Decision made by Head of Biology.

Mike Kean Memorial Prize for Senior Technology

- Awarded by Ashley-Eyre Advisory Group (Waimakariri District Council) in memory of Mike Kean. Awarded to top student in a Technology subject in Years 13 or 12.

MainPower Prize for Year 13 Physics and Mathematics

- Awarded to the student with the highest aggregated results of assessment in Physics and Calculus. Decision made by Year 13 Dean.

Rangiora High School Education Trust Scholarships

- Awarded to the top academic scholars

Lincoln University Prize for commerce

Spurr Cup for Environmental Education

Years 11 and 12

Allen Cup - Academic Excellence in Year 12

PTA Trophy for all-round Academic and Sporting achievement in Year 12

Rangiora High School Cup for all-round Achievement in Year 11

Rangiora District Lioness Trophy for Extraordinary Effort & Achievement in Year 11

- Awarded to the Year 11 student who, while not distinguished by academic or sporting excellence, has made an exemplary effort to succeed. Decision by the Academic Dean and Principal after nominations from teachers.

G.C. Beattie Cup for Year 11 Science & Mathematics

- Awarded to the student with the best aggregated results of assessment over Year 11 Science and Mathematics. Decision by the Academic Dean, and HODs of Science and Mathematics.

Gillette Memorial Cup for progress in Year 12 Animal Husbandry

Jock Strachan Trophy for Electronics

Cobden-Cox Cup for Senior Economics

Inkson Memorial Trophy for Excellence in Year 11 Agriculture

Avon City Ford Prize for Automotive Engineering

Barry King Memorial Trophy for Graphics

Lincoln University Prize for Commerce

Rangiora High School Education Trust Scholarships

- Awarded to the top academic scholars

Prizegiving

Academic Certificates

1st in Subject

- Certificates will be awarded to the student achieving first in subject at each level.

Distinction

- Certificates will be awarded in each subject for outstanding achievement.

Commendation

- Certificates will be awarded for the 10% of students in each subject who have distinguished themselves by outstanding effort and attitude. Criteria for these will be decided by subject heads of department.

Accounting 10ACC

Year 10

Entry requirements: None**Content/Skills:**

This is an introductory course focusing on recording business transactions. During this course we also look at personal accounting, including how to run a bank account, how to use a cheque book and how to plan a budget.

Simple business statements are also covered. Use of numbers and logic skills are enhanced in studying this very popular and worthwhile course.

Field Trips: None**Course Costs:** None**Next Step:** NCEA Level 1 Accounting**Enquiries to:** Ms McDonald**Accounting 11ACC**

NCEA Level 1

Year 11

Entry requirements: None, but Year 10 Accounting is an advantage.**Content/Skills:**

This course aims to promote knowledge and understanding of accounting as a financial language. Students will learn how to process financial information and prepare financial statements.

They will learn about small business and personal accounting.

Field Trips: None**Course Costs:** Workbook up to \$25.00**Assessment:**

	<i>Level</i>	<i>Number of Standards</i>	<i>Credits</i>
Internal Achievement Standards	1	1	4
External Achievement Standards	1	4	13
Internal Unit Standards	1	1	3

Next Step: NCEA Level 2**Enquiries to:** Ms McDonald

Accounting 12ACC

NCEA Level 2

Year 12

Entry requirements: 12 credits of NCEA Level 1 Accounting Achievement Standards (or at the discretion of Head of Department Commerce).

Content/Skills:

Includes basic accounting processes, accounts for sole traders, business organisations. Students will study full sets of accounts, including calculating ratios, interpretation of accounts and making informed conclusions. We will also study accounting systems and control of assets, inventory, sales, accounts receivable and accounts payable.

Field Trips: None

Course Costs: Workbook up to \$30.00

Assessment:

	<i>Level</i>	<i>Number of Standards</i>	<i>Credits</i>
Internal Achievement Standards	2	1	4
External Achievement Standards	2	4	17

Next Step: NCEA Level 3

Enquiries to: Ms McDonald

Accounting 13ACC

NCEA Level 3

Year 13

Entry requirements: 14 Credits at NCEA Level 2 Accounting (or at the discretion of the Head of Department Commerce).
If intending to study Accounting at University, it is advisable to study 13MAC or 13MAS.

Content/Skills:

This course is designed to allow students to apply previously learnt skills.

Students will study a variety of business organisations including partnerships, sole traders and companies.

How the Conceptual Framework applies to accountants will also be studied. We will also look at how to use accounting information to make informed decisions.

Field Trips: None

Course Costs: Workbook \$25.00

Assessment:

	<i>Level</i>	<i>Number of Standards</i>	<i>Credits</i>
Internal Achievement Standards	3	1	5
External Achievement Standards	3	4	15
Internal Unit Standards	3	2	6

Next Step: Tertiary Course

Enquiries to: Ms McDonald

Agriculture 10AGR

Year 10

Entry requirements: None**Content/Skills:**

This is a one semester (2 Terms) introductory applied science and technology course suitable for students wanting to study agriculture or rural studies in Year 11, or as an introduction to agriculture.

The topics covered in the course include: pasture production, soils, farm machinery, bees, forestry, stock handling and other practical skills supported by the school mini farm.

Field Trips: One to a local forest or a Field Day**Course Costs:** \$10.00**Next Step:** Year 11 Agriculture (NCEA) or Rural Studies**Enquiries to:** Mrs Koster or Mrs Roberts**Agricultural / Horticulture / Science 11AGH**

NCEA Level 1

Year 11

Entry requirements: None.
Year 10 Agriculture or Animal Husbandry desirable.**Content/Skills:**

This is an academic course that introduces agricultural science. The course covers soils, the agricultural industry, environmental issues, livestock production, crop production, pasture production, animal diseases and provides the grounding for future learning. Credits gained in this subject also count towards the National Certificate in Agriculture Level 2.

Field Trips: Three trips to: farms, breeding centre and packhouse**Course Costs:** \$20.00 to cover Field trips (1 full day and 2 half-day trips)

\$17.00 for Workbook

Assessment:

	<i>Level</i>	<i>Number of Standards</i>	<i>Credits</i>
Internal Achievement Standards	1	1	4
External Achievement Standards	1	5	16

Next Step: Agriculture Science Level 2 or Rural Studies**Enquiries to:** Mrs Roberts or Mrs Koster

Agriculture and Horticulture Science 12AGH NCEA Level 2

Year 12

Entry requirements: 12 Credits Level 1 Agriculture, Horticulture or Science or at the discretion of the Head of Department.

Content/Skills:

This is an applied science course with practical studies and field trips. Students study the applied biology of livestock and plants and management of the environment, and soils. Achievement standard credits gained in this subject also count towards the National Certificate in Agriculture Level 2.

Field Trips: Day trips and other short trips of 1 – 3 hours.

Course Costs: \$20.00 - \$30.00 to cover Field Trips

Assessment:

	<i>Level</i>	<i>Number of Standards</i>	<i>Credits</i>
Internal Unit Standards	2	1	5
External Achievement Standards	2	3	12

Next Step: NCEA Level 3 Agriculture/Horticulture or Rural Studies

Enquiries to: Mrs Koster or Mrs Roberts

Year 13 including Scholarship

Entry requirements: NCEA Agriculture and Horticulture Science Level 2 .
 Helpful background subjects include Agriculture, Horticulture, Economics, Accounting, Geography and Science or at the discretion of the Head of Department.

Content/Skills:
 An excellent stand alone course at Year 13 level. This academic course takes an in-depth look at the factors that influence New Zealand’s biggest export earner - Agriculture. Market influences and production practices are studied and experienced through a range of field trips.

A useful pre-requisite for commerce, marketing or Agriculture/horticulture degrees or a good insight for those wanting to enter Agriculture related industries.

Credits gained in this subject count towards University Entrance and the National Certificate in Agriculture Level 2. Scholarship is available in this subject.

The internal Achievement Standards requires the students to research and present a report on a locally significant Agricultural or Horticultural product. Students can choose their own individual product.

Field Trips: Farms, processing plants, marketing outlets.
Course Costs: \$30.00 approximately
 Trips: Two one-day trips and three short trips of 1-3 hours.

Assessment:	<i>Level</i>	<i>Number of Standards</i>	<i>Credits</i>
Internal Achievement Standards	3	2	10
External Achievements Standards	3	3	14

Next Step: Tertiary Course. Land-Based related industries.
Enquiries to: Mrs Koster or Mrs Roberts.

Entry requirements: An interest in studying and working with companion animals.

Introduction:

This is an introductory course aimed at helping students develop the knowledge and skills associated with the care of animals. They will gain an insight into future employment options and the fun of owning and caring for animals.

Content/Skills:

Knowledge and practical skills in the care of cats, dogs, farm animals and other companion animals and New Zealand wildlife conservation.

Field Trips:

One full day trip
Two ½ day 2-3 hour trips, plus in class time as arranged

Course Costs:

\$30.00 for field trips
Overalls

Assessment:

Either internal (Rangiora High School) OR:

	<i>Level</i>	<i>Number of Standards</i>	<i>Credits</i>
Unit Standards	1	4	14
	2	1	2

Next Step:

Year 12 Animal Husbandry or Year 12 Equine Studies.

Enquiries to:

Mrs Roberts or Mrs Koster

Entry requirements: An interest in studying and working with animals.

Introduction:

This course is suitable for students who enjoy applied Biology and wish to either work with animals when they leave school or to continue on to Year 13 or animal care or animal husbandry type courses.

Content/Skills:

Knowledge and practical skills in the care of farm animals, dogs and other companion animals.

Students should only take one Unit Standard Land-Based Studies course in the same year. [Students wishing for an exemption should consult with Land-Based Studies staff and then their House Dean.]

Field Trips: Two full day trips

Course Costs: \$30.00 for field trips
Overalls

Assessment:

	<i>Level</i>	<i>Number of Standards</i>	<i>Credits</i>
Unit Standards	2	1	2
	3	4	18

Next Step:

Year 13 Animal Husbandry
Year 12 or Year 13 Biology
Year 12 Equine Studies
Year 12 Rural Skills
Year 12 Agricultural Science
National Certificate in Animal Care
Practical Farming, Land-Based Industries
Veterinary Nursing
Work in catteries, kennels, pet shops, zoos

Enquiries to:

Mrs Koster or Mrs Roberts

Animal Husbandry Year 13

NCEA Level 3

Entry requirements: An interest in studying and working with animals. Year 12 Animal Husbandry or Year 12 Biology or Year 12 Agriculture.

Introduction:

This is a Year 13 level unit standard course for students who are interested in animal management.

Content/Skills:

In depth knowledge and practical skills relating to animal health, reproductive management and the farm environment.

Field Trips:

Work experience to suit the needs of individuals.
Field trips to intensive livestock farms, breeding centres, vets, etc.
Up to four ½ day trips.

Course Costs:

\$30.00 for field trips

Assessment:

	<i>Level</i>	<i>Number of Standards</i>	<i>Credits</i>
Unit Standards	3	4	25

Next Step:

National Certificate in Animal Care / Vet Nursing
National Certificate in Agriculture
Practical Farming, Land-Based Industries

Enquiries to:

Mrs Koster or Mrs Roberts

Art 9ART

Year 9

Entry requirements:

Compulsory

Content/Skills:

This course provides an introduction to basic art practice. Students are expected to have a workbook and basic drawing equipment.

Field Trips:

None

Course Costs:

\$5.00

Next Step:

Year 10 Art

Enquiries to:

Mrs Robertson

Art 10ART**Year 10****Entry requirements:** Year 9 Art**Content/Skills:**

This course introduces students to a broad base of knowledge and skills concerning art practice. A particular emphasis is on drawing processes as a way of generating ideas. Students will be able to extend into more resolved work. Visits to galleries and visiting artists will be included where appropriate. Workbook and homework assignments are expected to be completed. Students are expected to have basic drawing equipment.

Students can choose to do half year or a full year course.

Field Trips: None**Course Costs:** \$5.00. This will purchase the correct Workbook supplied by the Department.**Next Step:** National Certificate of Educational Achievement Art Level 1**Enquiries to:** Mrs Robertson**Art Practical 11ART****NCEA Level 1****Year 11****Entry requirements:** Year 10 Art, strongly recommended or after approval by the Head of Department.**Content/Skills:**

This course introduces students to a broad base of knowledge and skills concerning art practice. Particular emphasis is put on drawing as a way of generating ideas. Pupils will be able to extend into their own resolved work. Workbook and homework assignments are expected to be completed. External assessment (1.3) will be a 2 panel folio comprising working drawings and resolved work.

Field Trips: Into the Landscape – 1 day. Museum and Art Gallery visit – 1 day**Course Cost:** \$12.00 - \$15.00 approximately for trips.
\$20.00 Course costs**Assessment:**

	<i>Level</i>	<i>Number of Standards</i>	<i>Credits</i>
Internal Achievement Standards	1	1	5
External Achievement Standards	1	1	12

Next Step: Year 12 Practical Art NCEA Level 2
Year 12 Photography NCEA Level 2
Year 12 Art History NCEA Level 2
Year 12 Design NCEA Level 2

Enquiries to: Mrs Robertson

Art Practical 12ART

NCEA Level 2

Year 12

Entry requirements: Have achieved at NCEA Level 1 or at the discretion of the Head of Department.

Content/Skills:

This course offers greater specialisation and in-depth development for students in Painting and Sculpture.

Students are expected to develop an understanding of existing methods and ideas used by artists. Throughout the year students are also expected to develop more independence in initiating, developing and resolving their work. Students will look at a range of disciplines, including sculpture and painting.

Field Trips: Possible trips to galleries when appropriate (two days out of class)

Course Cost: \$25.00 for materials

Assessment:	<i>Level</i>	<i>Number of Standards</i>	<i>Credits</i>
Internal Achievement Standards	2	2	12
External Achievement Standards	2	1	12

Next Step: NCEA Level 3 Sculpture

NCEA Level 3 Painting

Enquiries to: Mrs Robertson

Art History 12ARH

NCEA Level 2

Year 12

Entry requirements: 12 credits NCEA Level 1 in English and/or History recommended

Content/Skills:

This course introduces students the concepts “What is art?”, through investigation of historical and contemporary art works. The course will include assignments and gallery visits, with the aim of developing the students’ ability to analyse and value art in society.

Included is an investigation into artists and the art world, with an emphasis on historical and social developments. Particular attention will be given to the role of the artist, culture and art, and how art operates in society. Students will be expected to participate in field trips.

Field Trips: Two days out of class – Gallery visits

Course Cost: \$10.00

Assessment:	<i>Level</i>	<i>Number of Standards</i>	<i>Credits</i>
Internal Achievement Standards	2	3	12
External Achievement Standards	2	2	8

Next Step: NCEA Level 3 Art History

Enquiries to: Mrs Robertson

Art History 13ARH

NCEA Level 3

Year 13

Entry requirements: NCEA Level 2 English, Classics, History or recommended after Consultation with Head of Department

Content/Skills:

This course investigates art movements, media, processes, and contexts of Art. Both Historical and Modern Art Movements are investigated, Early Maori Art, Renaissance 14th Century and 15th Century through to Expressionism and the Modern movement.

Field Trips: Where appropriate

Course Cost: \$10.00. Students may want to purchase extra books for study purposes.

Assessment:

	<i>Level</i>	<i>Number of Standards</i>	<i>Credits</i>
Internal Achievement Standards	3	2	7
External Achievement Standards	3	2	8

Next Step: Tertiary course

Enquiries to: Mrs Robertson

Year 12**Entry requirements:** Discretion of Mr Smith**Content/Skills:**

Year 12 Introduction to Automotive Engineering. It is important that students taking this course have achieved a minimum of 8 NCEA credits in Level 1 English, 8 credits in Mathematics and a Physics standard in Science to cope with the reading and written tasks required in the Unit Standards. Five Unit Standards will be attempted and assessed:

- 1 Health and Safety in the Workshop
- 2 Motor Vehicle Systems and Components
- 3 Engine Principles
- 4 Clutch and Transmission Systems
- 5 New Zealand Automotive Industry Structure

Students applying for this course should also have a **high level** of interest in learning about the mechanical aspects of motor vehicles. Every attempt is made to introduce a practical component into the course.

There is also an opportunity for work experience.

Field Trips: Visit to Avon City Ford Workshop in Christchurch**Course Costs:** Transport: \$10.00**Assessment:**

	<i>Level</i>	<i>Number of Standards</i>	<i>Credits</i>
Unit Standards 16113 Workshop Safety	2	1	2
Unit Standards 229 Motor Vehicle Systems & components	2	1	4
Unit Standards 231 Engine Principles	2	1	4
Unit Standard 239 Clutch & Transmission Systems	2	1	2
Unit Standard 21857 NZ Automotive Industry Structure	1	1	2

Next Step: NCEA / NQF Level 2 Automotive Engineering**Enquiries to:** Mr Smith

Year 12 students can choose to do an Integrated Automotive Course in 2010, which would include students from Automotive / Pre-Employment / English / Mathematics / Science – Physics / Sport and Recreation, plus work experience.

See Mr Smith for further information.

Years 13

Entry requirements:

It is desirable that students applying for this course of study have gained 12 credits in each of English and Mathematics at NCEA Level 1. Although not a prerequisite, an interest in pursuing study in electronics would also be useful. There should also be a **high level** of interest in learning about the mechanical aspects of motor vehicles.

Content/Skills:

These are the unit standards being offered. Other unit standards are available if any student completes these units before the end of the year, or completed them in the previous year.

- 1 16113 Health and Safety in the Workshop
- 2 233 Automotive Batteries
- 3 21669 Workshop Tools
- 4 21679 Wheels and Tyres – also includes 21722 and 21869 practicals
- 5 231 Engine Principles
- 6 229 Motor Vehicle Systems and Components
- 7 239 Automotive Manual Transmissions & Clutch
- 8 21857 NZ Automotive Industry Structure

Field Trips:

1 week Terms 1, 2 and 3 at Avon City Ford Workshop in Christchurch

Course Costs:

Transport

Assessment:

	<i>Level</i>	<i>Number of Standards</i>	<i>Credits</i>
Unit Standards	2	7	22
	1	1	2

Next Step:

Polytechnics and Institutes of Technology/Apprenticeship

Enquiries to:

Mr Smith

Biology 12BIO

NCEA Level 2

Year 12

Entry requirements: 12 credits in Level 1 (or above) Science**Content/Skills:**

This is a course designed to introduce students to a wide range of biological subject areas. Studies will include Cell Biology, Biochemistry, Genetics, Ecology and Animal and Plant Physiology. Practical work is an essential component of this course. Students will be asked to complete internally assessed achievement standards in research, laboratory work and field work. Students will be required to attempt a minimum of 18 credits with a maximum of 21 credits offered.

Field Trips: One day trip to Mt Thomas (location subject to change).**Course Costs:** Field Trip approximately \$20.00
Student Workbook \$31.00

Assessment:	<i>Level</i>	<i>Number of Standards</i>	<i>Credits</i>
Internally Assessed	2	3	9
Externally Assessed	2	4	12

Next Step: NCEA Level 3 Biology**Enquiries to:** Mr Gilbert**Biology 13BIO**

NCEA Level 3

Year 13

Entry requirements: 12 credits in NCEA Level 2 Biology, Chemistry or Physics**Content/Skills:**

This course includes the study of Genetics, Evolution, Animal and Plant interaction with their environment and Biotechnology. Field work takes place at the University of Canterbury Field Station in Kaikoura. The course includes field trips to Orana Park to study animal behaviour and to Lincoln University to look at applications of biotechnology. Students will be required to attempt a minimum of 18 credits with a maximum of 21 credits being offered.

Field Trips: Orana Park: One day – cost approximately \$20.00
Lincoln University: One day – cost approximately \$20.00
Kaikoura: Three days – cost approximately \$150.00**Course Costs:** Student workbook and model answers: Approximately \$31.00
Scrapbook (Research Log): Approximately \$2.50

Assessment:	<i>Level</i>	<i>Number of Standards</i>	<i>Credits</i>
Internally Assessed	3	3	10
Externally Assessed	3	3	11

Next Step: Tertiary Study**Enquiries to:** Mr Gilbert

Business Studies 12BUS

NCEA Level 2

Year 12

Entry requirements: None**Content/Skills:**

This course provides a Commerce subject for Year 12 students who do not meet the Economics and Accounting pre-requisites or who do not want to specialise in the more traditional Economics or Accounting.

This is an interesting course which looks at financial decision making, accounting for and running a business, developing entrepreneurial skills, some commercial law and business marketing strategies. This is a skills based course built around a commercial/business context.

Assessment:

	<i>Level</i>	<i>Number of Standards</i>	<i>Credits</i>
Unit Standards	1	1	2
	2	6	16

Costs: Workbook up to \$25.00.**Next Step:** Tertiary Study**Enquiries to:** Ms McDonald**Business Studies 13BUS**

NCEA Level 3

Year 13

Entry requirements: None**Content/Skills:**

Students will learn valuable business skills in a practical and realistic environment. Students will participate in the “Young Enterprise Scheme”, by setting up and running their own business during the year. Students will study market strategies, business planning and business documentation.

Field Trips: A total of three days**Course Cost:** Field trip costs approximately \$20.00, plus Business Set Up costs and fees to ENZT

Assessment The Young Enterprise Certificate equates to 24 NCEA Level 3 Credit equivalents, if required. This is a University Entrance subject – it counts as one of the ‘other’ subjects.

Next Step: Tertiary Study**Enquiries to:** Ms McDonald

Chemistry 12CHE

NCEA Level 2

Year 12

Entry requirements: Merit in NCEA Level 1 Science 1.1 and 1.4 or Chem 1.3 and Chem 1.5 with an Achieved in Mathematics 1.1 (or in consultation with Head of Department Chemistry)

Content/Skills:

A course with a large practical component. Content areas include: atomic structure, bonding and related properties, chemical reactions, qualitative and quantitative analysis and properties and reactions of some organic substances.

Field Trips: None

Course Costs: \$20.00 Workbook NCEA Level 2 and CD Rom

Assessment:	<i>Level</i>	<i>Number of Standards</i>	<i>Credits</i>
Internal Achievement Standards	2	21	2
External Achievement Standards	2	4	16

Next Step: NCEA Level 3 Chemistry

Enquiries to: Mrs McCracken

Chemistry 13CHE

NCEA Level 3

Year 13

Entry requirements: 16 Credits from NCEA Level 2 Chemistry and Achieved in NCEA Level 2 Mathematics 2.1

Content/Skills:

A course building on material covered in NCEA Level 2. Content areas include: redox reactions, periodic trends in atomic properties, chemistry of transition metals, exothermic and endothermic processes, solidity, buffers, electrochemical cells and properties and reactions of important organic substances. Scholarship is available in Chemistry. Please discuss this with your teacher or Head of Department at the earliest opportunity.

Field Trips: None

Course Costs: \$26.00 Continuing Chemistry NCEA L3 + CD Rom

Assessment:	<i>Level</i>	<i>Number of Standards</i>	<i>Credits</i>
Internal Achievement Standards	2	1	3
External Achievement Standards	3	4	18

Next Step: University or Polytechnic Course

Enquiries to: Mrs McCracken

Year 12

Entry Requirements: A minimum of three Achieved grades (or better) in NCEA Level 1 History or 3 Achieved grades (or better) in NCEA Level 1 English or with the approval of the Head of Department. (Miss Gallen) Students must have achieved a Level One essay standard for entry to 12 Classics.

Content/Skills: Classical Studies is a subject for those who are interested in History, English, Art History, as well as the huge influence of the Greeks and the Romans. Students will examine the history, literature and art of the classical period and learn resource interpretation, critical thinking and analytic writing skills.

Four Achievement Standards will be offered in 2010.

This course is based on five topics:

- The Odyssey by Homer
- Roman Social Life
- Roman Art and Architecture – Pompeii and Herculaneum

Field Trips: There maybe a field trip to Christchurch for Achievement Standard 2.5 and may be trips to relevant theatrical performances, university seminars, displays, movies etc during the course of the year. Estimated cost of each, including transport: approximately \$15.00

Course Costs: None, but students are strongly advised to purchase Cowell 'Life in Ancient Rome' at a cost of \$32.00.

Assessment:

	<i>Level</i>	<i>Number of Standards</i>	<i>Credits</i>
Internal Achievement Standards	2	1	5
External Achievement Standards	2	3	15

Next Step: NCEA Level 3 Classical Studies

Enquiries to: Miss Gallen

Year 13

Entry requirements: At least 3 Achieved grades or better in Level 2 Classical Studies, History or certain English standards. Students who have NOT taken Classical Studies or History before MUST have prior approval from the Head of Department. (Miss Gallen)
 Students must have achieved an essay standard in NCEA Level 2 to gain entry into 13 Classics.

Classical Studies is a subject for those who are interested in History, English, Art History, as well as the huge influence of the Greeks and the Romans. Students will examine the history, literature and art of the classical period and learn resource interpretation, critical thinking and analytic writing skills.

All NCEA Level 3 Classical Studies Achievement Standards will be offered in 2010.

Topics for 2010 will be:

- Roman Art and Architecture
- The Aenied by Virgil
- Roman Religion or Alexander the Great

Field Trips: There may be trips to relevant theatrical performances, university seminars, displays, movies etc during the course of the year. Estimated cost of each, including transport: approximately \$15.00

Course Costs: Students are strongly recommended to purchase Year 13 Study Guide: NCEA Classical Studies published by ESA. Cost \$30.00.

Assessment:	<i>Level</i>	<i>Number of Standards</i>	<i>Credits</i>
Internal Achievement Standards	3	1	6
External Achievement Standards	3	3	18

Next Step: University Course
Enquiries to: Miss Gallen

Year 13

Entry requirements: At the discretion of the Course Co-Ordinators. This course is incompatible with Level Three English and Level Three Media Studies.

Content / Skills:

This course is designed for students who enjoy Media Studies and English, but who were not successful in gaining their Level Two external standards and are not going to take these subjects to a higher academic level. This course aims to strengthen students' written and verbal communication skills, as well as enhancing their ability to analyse what is being communicated to them, while offering them opportunities to be creative and practical. The class will study a range of literature and media topics and complete some practical production tasks.

Assessment:

Students will complete a range of Internal Unit and Achievement Standards at NCEA Levels Two and Three. Some standards will be offered to the whole class and some will be targeted to the students' individual needs. 18 credits will be available to each student.

Field Trips: If suitable opportunities arise for film trips.

Course Costs: Approximately \$20.00 for text books and workbooks

Next Step: Tertiary Studies or Employment

Enquiries to: Miss Matthewson or Mrs Geldard

Entry Requirements: Year 10CIS (preferred) OR
by consultation with the Head of Department

This course consolidates and expands on skills and knowledge gained in Years 9 and 10CIS. Students will develop the ability to make informed decisions regarding the best software and methods to use for a given situation.

Students will be provided with experiences to extend their knowledge and skills through exposure to a variety of software applications. They will undertake creative projects based on the Technology Curriculum developing their project management skills, problem solving, team work and communication skills.

Content/Skills:

Print design, animation, image creation and manipulation, integrating and using data in multiple applications such as MS Excel, MS Word, InDesign, Illustrator, Photoshop, Flash, project management skills, problem solving, teamwork and communication skills, safe and efficient use of a computer, careful and sensible use of information sources

Field Trips: None

Course Costs: \$10.00

Next Step: NCEA Level 2 – 12 Computer Information Systems

Enquiries to: Mrs Kininmonth

	<i>Level</i>	<i>No of Standards</i>	<i>Credits</i>
Internal Achievement Standards	1	2	10
External Achievement Standards	1	2	8
Unit Standard	2	1	3

Entry Requirements: Year 11CIS

This course builds and expands on skills and knowledge gained in Year 11CIS and is aligned to the Natcoll Creating Futures Programme.

Students will be provided with experiences to extend their knowledge and skills through exposure to a variety of software applications. They will undertake creative projects for provided clients based on the Technology Curriculum developing their project management, problem solving, client consultation, team work and communication skills.

Content/Skills:

Principles of print design and web design, digitising and preparing images for print and web, image creation and manipulation, an introduction to HTML, principles of computer networks, integrating and using data in multiple applications such as InDesign, Illustrator, Photoshop, Flash, Dreamweaver, project management skills, problem solving, teamwork, communication and presentation skills, safe and efficient use of a computer, careful and sensible use of information sources, an introduction to programming.

Field Trips: None

Course Costs: \$10.00

Next Step: NCEA Level 3 – 13 Computer Information Systems

Enquiries to: Mrs Kininmonth

	<i>Level</i>	<i>No of Standards</i>	<i>Credits</i>
Internal Achievement Standards	2	2	10
Unit Standards	2	3-4	11

Computer Information Systems – Applications 12COA NCEA Level 2

Entry Requirements: No pre-requisites required

This course is designed for students who have little or no computing experience. It will enable them to develop fundamental skills and knowledge to use the computer as a means of communication for both personal and vocational use.

Students who complete a course in Year 12 Computer Information Systems – Applications, will gain credits towards the National Certificate in Computing at Level 2.

Content/Skills:

Includes online learning, knowledge of a range of software applications, local area networks (LANs), image capture and manipulation, efficient and safe use of a computer, understanding of how computer systems (software and hardware) work, careful and sensible use of information sources, integrating and using data in multiple applications such as MS Word, MS Excel, MS Access, InDesign, Illustrator, design principles, management and protection of data, computer assisted layout and design.

Field Trips: None

Course Costs: \$10.00

Next Step: NCEA Level 3 Computer Information Systems - Applications

Enquiries to: Mrs Kininmonth

	<i>Level</i>	<i>No of Standards</i>	<i>Credits</i>
Unit Standards	2	6-7	19

Entry Requirements: Year 12CIS

This course builds and expands on skills and knowledge gained in Year 12CIS and is aligned to the Natcoll Creating Futures programme.

Students will be provided with experiences to extend their knowledge and skills through exposure to a variety of software applications. They will undertake creative client focused projects based on the Technology Curriculum developing their project management, problem solving, team work and communication skills.

Students will complete a course designed to provide advanced knowledge and skills in spreadsheets and/or relational databases, using computer technology to present information, print design, multimedia and animation.

Students who wish to pursue a career in ICT will be selected to enrol in Level 5 online courses with CPIT (maximum of four courses).

Content/Skills:

Advanced spreadsheets and/or relational databases, integrating and using data in multiple applications such as InDesign, Illustrator, Photoshop, Flash, After Effects, project management skills, problem solving, teamwork and communication skills, safe and efficient use of a computer, careful and sensible use of information sources, an introduction to programming, understanding how computer systems work (hardware and software).

Field Trips: None**Course Costs:** \$10.00**Next Step:** Tertiary study**Enquiries to:** Mrs Kininmonth

	<i>Level</i>	<i>No of Standards</i>	<i>Credits</i>
Achievement Standards	3	3	20
Unit Standard	3	1	6

Computer Information Systems – Applications 13COA NCEA Level 3

Entry Requirements: Year 12COA (preferred) OR
by consultation with the Head of Department

This course consolidates and expands on skills and knowledge gained in Year 12COA. Students will have the opportunity to advance their computer application skills to use the computer more efficiently and effectively as a means of communication for both personal and vocational use.

Students who complete a course in Year 13 Computer Information Systems – Applications, will gain credits towards the National Certificate in Computing at Level 3.

Content/Skills:

Advanced knowledge of a range of software applications, image capture and manipulation, efficient and safe use of a computer, careful and sensible use of information sources, integrating and using data in multiple applications such as MS Word, MS Excel, InDesign, Illustrator, effective design and presentation skills and management and protection of data.

Field Trips: None

Course Costs: \$10.00

Next Step: Tertiary Study

Enquiries to: Mrs Kininmonth

	<i>Level</i>	<i>No of Standards</i>	<i>Credits</i>
Unit Standards	3	4-5	20

Design 12DES

NCEA Level 2

Years 12

Entry requirements: Year 11 Art recommended or at the discretion of Head of Department.

Content/Skills:

This course offers specialisation and in-depth development for students in Design. Students are expected to develop an understanding of existing methods and concepts to resolve design issues using both digital and tradition drawing as a medium. Throughout the year, students are also expected to develop more independence in initiating, developing and resolving real-world design tasks.

Field Trips: Two days out of class for gallery / exhibition visits and / or software courses.

Course Costs: \$75.00 for digital printing and basic materials.
Students can expect to pay extra depending on personal requirements.

Assessment:	<i>Level</i>	<i>Number of Standards</i>	<i>Credits</i>
Internal Achievement Standards	2	1	6
External Achievement Standards	2	1	12

Next Step: NCEA Level 3 Design

Enquiries to: Mrs Robertson

Design 13DES

NCEA Level 3

Entry requirements: Year 12 Art recommended or at the discretion of Head of Department.

Content/Skills:

This course offers specialisation and in-depth development for students in Design. Students are expected to further develop their understanding of existing methods and concepts to resolve design issues using both digital and tradition drawing as a medium. Throughout the year, students are also expected to develop more independence in initiating, developing and resolving real-world design tasks.

Field Trips: Two days out of class for gallery / exhibition visits and / or software courses.

Course Costs: \$75.00 for digital printing and basic materials.
Students can expect to pay extra depending on personal requirements.

Assessment:	<i>Level</i>	<i>Number of Standards</i>	<i>Credits</i>
Internal Achievement Standards	3	1	6
External Achievement Standards	3	1	14

Next Step: Tertiary Study

Enquiries to: Mrs Robertson

Drama 9DRA**Year 9****Entry requirements:** None

This course provides a basic introduction to Drama. Students will develop basic skills in voice, movement, body and space. They will also take part in group and whole class learning activities. Students will take part in a whole class performance for an audience.

Next Step: Year 10 Drama**Enquiries to:** Mr Anderson / Ms Himiona**Drama 10DRA****Year 10****Entry requirements:** None.

This course emphasises the development of dramatic skills for individual, group and whole class performance. Students will develop basic skills in voice, movement, body and space. This course includes a theatre technicality component and some research work. Students will write and perform their own plays and participate in a whole class performance, which will be presented to an audience.

Next Step: NCEA Level 1 Drama**Enquiries to:** Mr Anderson / Ms Himiona**Drama 11DRA****NCEA Level 1****Years 11****Entry requirements:** Year 9 and 10 Drama is recommended but not compulsory.**Content/Skills:**

This course builds on the skills of Year 9 and 10 Drama and provides an in depth look at a range of drama elements, conventions and techniques. This course is both internally and externally assessed and combines topics such as voice, movement, devising, improvising, melodrama, characterisation and production roles. Students will build their own plays through to performance, perform excerpts from plays and participate in a class production. Students must keep a record of their progress in their portfolio, which assists in their preparation for the external written standard.

Field Trips: One night/day in either Term 2, Term 3 or Term 4**Course Costs:** Approximately \$20.00 for theatre trip**Assessment:**

	<i>Level</i>	<i>Number of Standards</i>	<i>Credits</i>
Internal Achievement Standards	1	3	11
External Achievement Standards	1	1	5

Next Step: Year 12 Drama NCEA Level 2**Enquiries to:** Mr Anderson / Ms Himiona

Drama 12DRA

NCEA Level 2

Year 12

Entry requirements: 12 Credits or more in NCEA Level 1 Drama. Entry for others will be at the discretion of the Head of Department and/or Level 2 teacher.

Content/Skills:

This course extends on the skills gained in Level 1 Drama. Students build on the skills in the use of conventions, elements and drama techniques. This course is both internally and externally assessed and covers topics such as improvisation, script work, devising, characterisation, devising, improvising, technical/production roles, theatre period roles.

Students will also perform a class production to an invited audience. Students must keep a record of their progress in their portfolio, which assists in their preparation for the external written standards.

Field Trips: One night in Term 2, Term 3 or Term 4

Course Costs: Approximately \$20.00 for theatre trip

Assessment:	<i>Level</i>	<i>Number of Standards</i>	<i>Credits</i>
Internal Achievement Standards	2	3	13
External Achievement Standards	2	1	5

Next Step: Year 13 NCEA Level 3 Drama

Enquiries to: Mr Anderson / Ms Himiona

Drama 13DRA

NCEA Level 3

Year 13

Entry requirements: 12 Credits or more in NCEA Level 2 Drama. Entry for others will be at the discretion of the Head of Department and/or Level 3 teacher.

Content/Skills:

This course builds on the skills gained in Level 2. It develops students' abilities to use drama elements, conventions and techniques in a range of contexts. The course is both internally and externally assessed and covers topics such as improvisation, monologues/duologues, devising, performing, characterisation, technical/production roles and theatre period roles.

Students will build their own plays to performance level, perform excerpts and participate in a class production. Students must keep a record of their progress in their portfolios, which assists in their preparation for the external written standard.

Field Trips: One night in Term 2, Term 3 or Term 4

Course Costs: Approximately \$20.00 field trips

Assessment:	<i>Level</i>	<i>Number of Standards</i>	<i>Credits</i>
Internal Achievement Standards	3	3	16
External Achievement Standards	3	1	4

Next Step: Tertiary studies

Enquiries to: Mr Anderson / Ms Himiona

Economics 9ECO**Year 9****Entry requirements:** None**Content/Skills:**

Have you ever wanted to learn about MONEY. How to earn it, and how to use it wisely. In Year 9 Economics, we focus on “The Consumers Role in society”. We will answer the questions “What is the Economic Problem, and how can I make the best financial decisions for myself?”.

Field Trips: None**Course Costs:** None**Next Step:** Year 10 Economics and/or Accounting**Enquiries to:** Ms McDonald**Economics 10ECO****Year 10****Entry requirements:** None

In this course, students will develop economic skills and study how consumers live in today’s society.

Topics covered include:

- Introduction to Economics
- Decision Making plus Achievement Standard 1.6 – 2 credits (where applicable)
- Demand
- Consumer Rights and Responsibilities
- Investment, including the New Zealand Sharemarket

Field Trips: None**Course Costs:** None**Next Step:** NCEA Level 1 Economics**Enquiries to:** Ms McDonald

Economics 11ECO

NCEA Level 1

Years 11

Entry requirements: None.**Content/Skills:**

This course aims to provide an understanding of:

- i) how people behave as consumers and workers and how they make economic decisions.
- ii) how producers make decisions and use resources to provide goods and services to the market.

The course gives students the opportunity of examining and gaining an understanding of how people work together as groups in the market place and how prices are determined.

Field Trips: None**Course Costs:** Workbook up to \$20.00

Assessment:	<i>Level</i>	<i>Number of Standards</i>	<i>Credits</i>
External Achievement Standards	1	3	12
Internal Unit Standards	1	2	9

Next Step: NCEA Level 2**Enquiries to:** Ms McDonald**Economics – Consumer 11ECC**

NCEA Level 1

Year 11

Entry requirements: None (at Head of Department’s discretion)**Content/Skills:**

This is a new commerce course. This is an interesting course which focuses on “Consumer Economics”, in a practical way.

Students will study:

- Consumer choices
- Economics marketing
- How to solve consumer problems
- How to manage personal finances

Field Trips: None**Course Cost:** None

Assessment:	<i>Level</i>	<i>Number of Standards</i>	<i>Credits</i>
Unit Standards	1	3	8
Achievement Standards	1	2	5

Next Step: NCEA Level 2 Business Studies**Enquiries to:** Ms McDonald

Economics 12ECO

NCEA Level 2

Year 12

Entry requirements: 12 credits of NCEA Level 1 Economics, including one external Achievement Standard from Level 1 (or at the discretion of the Head of Department Commerce).

Content/Skills:

This course aims to give students a broad understanding of economic issues as they affect the New Zealand economy. By using statistics, interpreting and analysing data, students will be able to investigate such things as employers' willingness or ability to employ people - which is strongly influenced by the level of New Zealand's trade, why New Zealand trades, who New Zealand trades with and the influence Government has on the level of trade. Price stability is another area students investigate as well as the link between rising prices and economic growth. Students will also explore the economic policies relating to economic inequality and understand that Employment, Trade, Growth, Inflation and Inequality are linked together.

Field Trips: None

Course Costs: Workbook up to \$25.00

Assessment:	<i>Level</i>	<i>Number of Standards</i>	<i>Credits</i>
Internal Unit Standards	2	1	6
External Achievement Standards	2	4	18

Next Step: NCEA Level 3 Economics

Enquiries to: Ms McDonald

Economics 13ECO

NCEA Level 3

Year 13

Entry requirements: 8 Credits of NCEA Level 2 Economics, including one external Achievement Standard from Level 2, or at the discretion of the Head of Department.

Content/Skills:

In this course students will investigate how the allocation of resources makes all people better off, different types of markets and how businesses in those markets make their decisions.

Students will also look at the role government plays in the economy and the effect of government intervention.

Field Trips: None

Course Costs: Workbook up to \$25.00

Assessment:	<i>Level</i>	<i>Number of Standards</i>	<i>Credits</i>
Internal Unit Standards	3	1	5
External Achievement Standards	3	3	13

Next Step: Tertiary Course

Enquiries to: Ms McDonald

Year 12

Entry requirements: Preference given to those who gain 12 credits (or better) in Year 11 MET1.

Students who have demonstrated self management and a willingness to work as a team have an advantage.

Content/Skills:

This course is designed to give students an introduction to the Engineering Industry and is linked to the Engineering Industry Training Organisation. Students are preparing for an Engineering Technology future that offers a wide field of opportunities.

Theory and practical application is made up of the following topics:

- 1 Safety
- 2 Hand tools
- 3 Units of measurement
- 4 Measuring devices
- 5 Welding safety

Field Trips: One day to engineering trade related industries

Course Costs: \$35 - \$50 for materials, subject to student's design

Assessment:

	<i>Level</i>	<i>Number of Standards</i>	<i>Credits</i>
Unit Standards	1	2	5
	2	3	9

Next Step: NCEA / NQF Level 2 Engineering and / or NCEA Technology

Enquiries to: Mr Fawcett, Mr Hawke

Year 13**Entry requirements:****Content/Skills:**

Builds on knowledge and skills developed in Year 12 Engineering Technology. Students gain knowledge and practical experience, providing an opportunity to go straight into an exciting and enjoyable career from many engineering fields. A willingness to work as a team and meet deadlines is important. This tailor-made course provides students with channels for personal interest and opportunities to solve real problems linked to customers. Theory and practical application is made up of the following topics:

- 1 Marking out tools
- 2 Measuring equipment
- 3 Power tools
- 4 Welding safety
- 5 Engineering drawing

Maintenance, care of equipment, environmental issues and safe working practices are also given special attention.

Field Trips: Four days to engineering related industries

Course Costs: \$35 - \$50 for materials, subject to student's design

Assessment:

	<i>Level</i>	<i>Number of Standards</i>	<i>Credits</i>
Unit Standards	2	4	15

Next Step: Polytechnics and Institutes of Technology/Apprenticeship and University

Enquiries to: Mr Fawcett, Mr Hawke

Entry requirements: Compulsory

Content/Skills:

Students will complete a range of literature and language units which aim to improve both their receptive English skills: Reading, Listening and Viewing; and their expressive English skills: Writing, Speaking and Presenting.

Students will respond to a range of text types including films, novels, poems, short stories and drama. They will also produce their own creative English work.

Field Trips: None

Course Costs: \$5.00 approximately for Workbook
\$5.00 for Drama presentation

Next Step: Year 10 English

Enquiries to: Miss Matthewson

English 10ENG

Year 10

Entry requirements: Compulsory**Content/Skills:**

Students will complete a range of literature and language units which aim to improve both their receptive English skills: Reading, Listening and Viewing; and their expressive English skills: Writing, Speaking and Presenting.

Students will respond to a range of text types including films, novels, poems, short stories and drama. They will also produce their own creative English work.

Students will prepare for NCEA Level One English and have the opportunity to attempt some Level One Standards at the discretion of their English teacher.

Field Trips: None
Course Costs: \$5.00 approximately for Workbook
 \$5.00 for Drama presentation

Next Step: NCEA Level 1 English, OR
 NCEA Level 1 Alternative English

Enquiries to: Miss Matthewson

English 11ENG

NCEA Level 1

Year 11

Entry requirements: Acceptable achievement in Year 10 English.**Content/Skills:**

Year 11 English is a full year course that prepares students for NCEA Level One. The course content includes an in-depth study of a novel, short stories, film and unfamiliar texts. Students also deliver a speech, produce a static image and produce transactional writing. The focus is on developing the key competencies of using language, symbols and texts, thinking, managing self, relating to others, and participating and contributing.

Field Trips: Theatre / film if suitable opportunities available
Course Costs: \$10.00 approximately

Assessment:	<i>Level</i>	<i>Number of Standards</i>	<i>Credits</i>
Internal Achievement Standards	1	2	6
External Achievement Standards	1	4	9
Internal Unit Standards	1	1	4

Next Step: NCEA Level 2 English
Enquiries to: Miss Briggs

English 12ENG

NCEA Level 2

Year 12**Entry requirements:** 12 credits at NCEA Level 1**Content/Skills:**

Year 12 English is a full year course that prepares students for NCEA Level Two. The course content includes an in-depth study of a novel, film and unfamiliar text, some short texts (poetry and short stories) may be studied in preparation for the Theme Investigation.

The A stream class may be expected to study a Shakespearean play. Students can also work towards a Unit Standard in wide reading.

The course focus is on developing the key competencies of using language, symbols and texts, thinking, managing self, relating to others, and participating and contributing.

Field Trips: Film or theatre if suitable

Course Costs: \$10.00-\$20.00 may be required for field trips
 Approximately \$20.00 for personal copy of novel
 Approximately \$8.00 for Workbook

Assessment:	<i>Level</i>	<i>Number of Standards</i>	<i>Credits</i>
Internal Achievement Standards	2	2	6
External Achievement Standards	2	3	9
Internal Unit Standards	2	1	4

Next Step: NCEA Level 3 English**Enquiries to:** Mrs Stephenson**English 13ENG**

NCEA Level 3

Year 13**Entry requirements:** 12 credits at NCEA Level 2 English**Content/Skills:**

Year 13 English is a full year course that prepares students for NCEA Level 3. The course content includes an in-depth study of the novel, Shakespearean drama and film. Students also deliver an oral presentation and produce creative writing. The focus is on developing the key competencies of using language, symbols and texts, thinking, managing self, relating to others, and participating and contributing.

Field Trips: Film or Theatre, if suitable opportunities are available**Course Costs:** Approximately \$60.00 for text books and workbooks

Assessment:	<i>Level</i>	<i>Number of Standards</i>	<i>Credits</i>
Internal Achievement Standards	3	2	8
External Achievement Standards	3	3	9

Next Step: University studies**Enquiries to:** Mr Crawford

English – Internal 11INE

NCEA Level 1

Year 11

Entry requirements: Teacher recommendation at end of Year 10.**Content/Skills:**

Internal English 11INE is a full year course, with particular emphasis on practical skills in English. Students will complete tasks internally. They will produce a static image, study a novel, film and short stories. The focus is on developing the key competencies of using language, symbols and texts, thinking, managing self, relating to others and participating and contributing.

Field Trips: A field trip for research purposes may be undertaken if a suitable opportunity arises.**Course Costs:** Approximately \$15.00 for field trip if held.

Assessment:	<i>Level</i>	<i>Number of Standards</i>	<i>Credits</i>
Internal Achievement Standards	1	3	9
Unit Standards	1	3	9

Next Step: NCEA Level 2**Enquiries to:** Ms Hay**English – Internal 12INE**

NCEA Level 2

Year 12

Entry requirements: On the recommendation of the Head of Department**Content/Skills:**

Internal English 12INE is a full year course, with particular emphasis on practical skills at Level One and Level Two. Students will complete tasks internally. They will study a novel, film and short stories. Some time is spent producing a targeted resume. The focus is on developing the key competencies of using language, symbols and texts, thinking, managing self, relating to others, and participating and contributing.

Field Trips: May be undertaken if suitable opportunities for film, theatre or research arise.**Course Costs:** \$10.00-\$20.00 for field trips may be required.

Assessment:	<i>Level</i>	<i>Number of Standards</i>	<i>Credits</i>
Internal Achievement Standards	2	2	6
Unit Standards	1 and 2	4	12

Next Step: Students who complete this course may go on to NCEA Level 2 English or Year 13 Internal English.**Enquiries to:** Ms Hay

Year 13

Entry requirements: On the recommendation of the Head of Department

Content/Skills:

Year 13 INE is a full year course that prepares students for NCEA Level Two. It is primarily for those who need to meet literacy requirements. While it is possible to sit External Achievement Standards, the emphasis will be on Unit Standards in reading and writing credits.

The focus is on developing the key competencies of using language, symbols and texts, thinking, managing self, relating to others, and participating and contributing.

Assessment: A mixture of Level 1 or Level 2 Achievement Standards and Unit Standards will be available, depending on individual needs.

Field Trips: If suitable opportunities arise for film, theatre or research.

Course Costs: \$10.00 - \$20.00 may be required for field trips.

Assessment:

	<i>Level</i>	<i>Number of Standards</i>	<i>Credits</i>
Internal Achievement Standards	1 or 2	2	6
External Achievement Standards	1 or 2	2	6
Unit Standards	1 or 2	2	9

Next Step: Level 2 or 3 NCEA English

Enquiries to: Mrs Stephenson

Years 11, 12, 13

Entry requirements: A committed interest in horses.
A regular contact with horses outside of school hours.

Content/Skills:
This is a two year roll-over course. In 2010 we offer Year 1; in 2011 Year 2. Different units are offered each year.

Students will work towards the Level 2 National Certificate in Equine Studies using units at Levels 1, 2 and 3. This course will explore opportunities in the Equine industry and foster recreational interests.

- Key knowledge and skills for working with horses
- Industry visits
- Visiting speakers and demonstrations
- Support for Pony Club Certificates and competition days

Field Trips: 2 day trips to Kowhai Riding School and Horse sale
Short local trips as required in class time
\$50.00 riding trips fee

Course Costs: Optional extra curricular activities at various costs

Assessment:

	<i>Level</i>	<i>Number of Standards</i>	<i>Credits</i>
Unit Standards	1	1	3
	2	6	15

Next Step: Year 2 Equine Studies. Further Industry Training, Polytechnic Courses.
NZ National Certificate in Equine

Enquiries: Mrs Roberts

English for Speakers of Other Languages

Entry requirements: None.

Content/Skills:

This subject is for students for whom English is not their first language. These students will be tested when they enter the class and placed in the appropriate level. The main focus will be on the skills of communication, listening, reading, writing and speaking. Language specific to the needs of academic subjects will also be taught. The number of classes will depend on the level of English a student has.

NCEA credits will be offered at Levels 1 and 2.

Field Trips: None

Course Costs: None

Next Step: -

Enquiries to: Mrs Lord

Year 12

Entry requirements: This is an alternative Home Economics course for students who do not gain the entry requirements for Home Economics NCEA Level 2, are new to Home Economics, or after consultation with the Dean or Head of Department.

Content/Skills: Food Studies is a course for students who enjoy working with food in terms of practical cookery and learning about food and our food habits.

Students complete both written learning activities and practical work.

Four main units of work are completed during the year and students will:

- Develop knowledge and understanding of vegetarian diets, food and nutrients
- Demonstrate skill in the use of multi-function appliances
- Complete a food technology investigation to develop their own individual food product

During the year students will participate in practical classes to develop their practical cookery and group management skills. Students will produce a variety of sweet and savoury dishes that follow the New Zealand Food and Nutrition Guidelines. Generally two practical classes are completed weekly.

The course is totally internally assessed, and Level 1 and 2 credits are gained.

Field Trips: Year 10 Camp, Boyle River Lodge: Some students from the class (4-8 students) may be selected to be Camp Cooks. This would involve one to three days out of class.

Course Costs: A subject fee of \$35.00 to \$40.00 will be charged for consumables, staple non-perishable ingredients supplied by the department. Students will supply other ingredients needed for practical work.
 Workbook \$10.00
 Recipe Books \$8.00

Assessment:	<i>Level</i>	<i>Number of Standards</i>	<i>Credits</i>
Unit Standards	2	3	15

Next Step: NCEA Level 2 / 3 Food and Nutrition
 NCEA Level 2 Family, Home and Society

Enquiries to: Ms Anderson, Ms Davidson

Year 13

Entry requirements:

This is an alternative Home Economics course for students who do not gain the entry requirements for Home Economics NCEA Level 3, are new to Home Economics, or after consultation with the Dean or Head of Department.

Content/Skills:

- Food Studies is a course for students who enjoy working with food in terms of practical cookery and learning about food and our food habits. They need not have taken Home Economics or Food Studies courses before but do need to have a genuine interest in working with food, learning about food and the hospitality industry.

Students complete both written learning activities and practical work.

Four main units of work are completed during the year and students will:

- Investigate preservation and how to preserve foods in a variety of different ways
- Investigate the use of microbes (bacteria, yeast and mould) in food and drink production
- Develop their creativity in the preparation, cookery, and presentation of food
- Work together in small groups to manage and produce food for catering situations.

During the year students will participate in practical classes to develop their practical cookery and group management skills. Students will produce a variety of sweet and savoury dishes that follow the New Zealand Food and Nutrition Guidelines. Generally two practical classes are completed weekly.

The course is totally internally assessed, and Level 2 and 3 credits are gained.

Field Trips:

Year 10 Camp, Boyle River Lodge: Some students from the class (4-8 students) may be selected to be Camp Cooks. This would involve one to three days out of class.

Course Costs:

A subject fee of \$35.00 to \$40.00 will be charged for consumables, staple non-perishable ingredients supplied by the Department. Students will supply other ingredients needed for practical work.
 Workbooks \$10.00
 Recipe Books \$10.00

Assessment:

	<i>Level</i>	<i>Number of Standards</i>	<i>Credits</i>
Unit Standards	2	1	6
	3	3	13

Next Step:

Hospitality training and employment

Enquiries to:

Ms Anderson, Ms Davidson

French Language 9FRE

Year 9

Entry requirements: None

Content/Skills:

This course offers students the chance to begin speaking the French language and to better understand people from another culture. They will learn to introduce themselves, talk about their home and family and to participate in everyday language situations.

Students will find out about our nearest French-speaking countries, Tahiti and New Caledonia, and have the opportunity to participate in a French breakfast.

Students who wish to carry on with French in Year 10 must take French 2 as an option, Year 9 French where they will learn to describe their town and school and build on their skills and vocabulary.

Field Trips: None

Course Costs: \$5.00 French breakfast

Next Step: Year 10 French

Enquiries to: Miss Wiseman

French Language 10FRE

Year 10

Entry requirements: Two terms of Year 9 French or at teacher's discretion

Content/Skills:

This is a full year course where students will develop their skills in listening, speaking, reading and writing, through topics which relate to everyday situations such as school life, shops and shopping, home and family. They will study French culture as it relates to these topics.

Field Trips: None

Course Costs: \$5 French breakfast

Next Step: NCEA Level 1 French

Enquiries to: Miss Wiseman

French Language and Culture 11FRE

NCEA Level 1

Year 11

Entry requirements: Year 10 French.**Content/Skills:**

This course builds on the four skills of reading, writing, listening and speaking. Topics cover travel, sport and leisure, holidays, eating out, health and communication.

Field Trips: None

Course Costs: French food
Study Note Booklet - \$16.00

Assessment:

	<i>Level</i>	<i>Number of Standards</i>	<i>Credits</i>
Internal Achievement Standards	1	2	6
External Achievement Standards	1	3	15

Next Step: NCEA Level 2**Enquiries to:** Miss Wiseman**French Language and Culture 12FRE**

NCEA Level 2

Year 12

Entry requirements: 12 credits NCEA Level 1 French or at the discretion of the Head of Department**Content/Skills:**

This is a communicative course in which students learn to express opinions and preferences, give and receive information, and discuss a variety of topics of interest in French. The language skills of reading, writing, speaking, listening and translation are extended. French culture will be covered through a study of film, song and literature.

Assessment:

	<i>Level</i>	<i>Number of Standards</i>	<i>Credits</i>
Internal Achievement Standards	2	2	6
External Achievement Standards	2	3	15

Field Trips: Cinema visit

Course Costs: Approximately \$10.00
Study Note Booklet - \$16.00

Next Step: NCEA Level 3**Enquiries to:** Miss Wiseman

Year 13

Entry requirements: 12 credits of NCEA Level 2 French Language and Culture or at the discretion of the Head of Department.

Content/Skills:

This is a communicative course in which students learn to discuss problems, express themselves imaginatively and give opinions on a variety of topics of interest. French culture will be covered through a study of French film, song, art and literature.

Assessment:

	<i>Level</i>	<i>Number of Standards</i>	<i>Credits</i>
Internal Achievement Standards	3	2	6
External Achievement Standards	3	3	15

Field Trips:

Cinema visit

Course Costs:

Approximately \$10.00

Study Note Booklet - \$16.00

Next Step:

University French

Enquiries to:

Miss Wiseman

Year 12

Entry requirements: Preference given to those who gain 8 credits (or better) in Year 11 Trade Skills (Woodwork).

Students who have demonstrated self management and a willingness to work as a team have an advantage.

Content/Skills:

This course is designed to give students an introduction to the Furniture Industry and is linked to the Furniture Industry Training Organisation (FITTEC). Students are preparing for trade apprenticeships. The Unit Standards offered cover the following topics:

- 1 Understanding specifications
- 2 Safety
- 3 Analysing Specifications
- 4 Woodwork joints
- 5 Carcase construction
- 6 Woodturning

Field Trips: One day to trade related industries (ie furniture, joinery and woodturning)

Course Costs: \$35.00 for materials

Assessment:

	<i>Level</i>	<i>Number of Standards</i>	<i>Credits</i>
Unit Standards	1	6	18
	2	1	4

Next Step: NQF Level 2 Furniture and / or NCEA Technology

Enquiries to: Mr Hawke

Year 13

Entry requirements: Minimum of 12 credits in Furniture – Entry Level.

Content/Skills:

Builds on knowledge and skills developed in Furniture – Entry Level. Students are given the opportunity to increase their number of credits that they can take to a tertiary provider of Level 3 and Level 4 National Certificate in Furniture making. The course has a mixture of theory and practical application and is made up of the following topics:

- 1 Freehand drawing
- 2 Bandsaw
- 3 Selecting timber
- 4 Adhesives
- 5 Hand tools
- 6 Portable power tools

Maintenance, care of equipment, environmental issues and safe working practices are also given special attention.

Field Trips: One day to trade related industries (ie furniture, joinery and woodturning)

Course Costs: \$35.00 - \$50.00 for materials, subject to student’s design

Assessment:

	<i>Level</i>	<i>Number of Standards</i>	<i>Credits</i>
Unit Standards	2	5	14
	3	1	6

Next Step: Polytechnics and Institutes of Technology/Apprenticeship

Enquiries to: Mr Hawke

Year 13

Entry Requirements: Ideally students to have completed NCEA Level 2 Technology after consultation with the Head of Department.

Content/Skills: Students select their own course from a choice of Level 3 Unit Standards in Garment Design and Construction. Project work will require them to design and produce garments and textile items using advanced sewing techniques.

They will select and use materials and processes that further develop their practical skills. Three major assignments will be completed each requiring in-depth documentation to be completed to explain fabric selection, construction processes, and serviceability concept.

Once completing this course students will:

- Develop knowledge of contemporary fashion designers and the fashion industry
- Discover through independent research, issues relating to clothing systems and gather information to solve problems relating to textile items
- Explore suitable materials and conduct tests to ascertain suitable fabrics and construction methods
- Evaluate solutions and suggest suitable modifications
- Construct textile items using suitable methods to give quality items

Possible areas that the students will choose the construction projects from are:

- Carrier or kit
- Garment using special fabric
- Incorporate applied design into a garment
- Tailored trousers/Tailored coat
- Fashion illustration

Field Trips: Local Textile Art Exhibitions

Course Costs: Students are to supply their own material, patterns and notions for the three major projects. Parents / caregivers can anticipate the total cost of materials to be up to \$150.00 for the year.

Subject Fees: Approximately \$3.00 to \$5.00 is charged for consumable materials that are supplied (ie textile paint, wax, dye, overlocker thread, needles, chalk, etc.)

Assessment:	<i>Level</i>	<i>Number of Standards</i>	<i>Credits</i>
Unit Standards	3	3	18
	3	1 (optional)	6

Next Step: Tertiary
Enquiries to: Mrs Buckley, Ms Anderson

Year 11

Entry Requirements: Open to all students.

Content/Skills:

This NCEA course is a general introduction to Geography. Geography is a study of the natural environment (weather, landforms, rivers, coastlines) and how people interact and use it. Field work is a compulsory part of the course, involving NCEA internal achievement standards. The following topics are studied in the Year 11 programme:

Extreme natural events: Earthquakes in New Zealand.
Tropical cyclones in South West Pacific

Resources and their uses: Dairy farming in New Zealand
Coal mining in New Zealand

The three internal achievement standards are based around geographic fieldwork, current geographic issues, and global geographic patterns.

The course teaches skills in fieldwork, mapping, graphing, computer use, paragraph writing and resource interpretation. The course is assessed by both internally and externally assessed activities.

Field Trips: Term 2 – 3 days
Course Costs: Fieldwork costs approximately \$160.00
Course Skills Book \$15.00

Assessment:	<i>Level</i>	<i>Number of Standards</i>	<i>Credits</i>
Internal Achievement Standards	1	3	11
External Achievement Standards	1	3	10

Next Step: NCEA Level 2 Geography
Enquiries: Mr Moyle

Graphics 9GRA

Year 9

Entry requirements: None

Content/Skills:

Graphics is about communication and involves students with elementary Design Problems, Instrumental and Freehand drawing. Students learn to interpret drawings, use colour and make a model. The course requires the student to produce disciplined pencil work requiring concentration and patience. Graphics is a stepping stone to a career in design architecture, engineering, landscape, interior design and other similar occupations.

Field Trips: None

Course Costs: Stationery costs: approximately \$11.00
Material costs: \$2.00 (paid to the school)
Graphics Workbook approximately \$4.00

Next Step: Year 10 Graphics

Enquiries to: Mr Hawke

Graphics 10GRA

Year 10

Entry requirements: Year 9 Graphics preferred but not essential

Content/Skills:

The course is a challenging and interesting one that builds on the skills learned in Year 9. There is a stronger emphasis on the design process with the student making more informed choices, based on knowledge gained, about those elements that make a good design. Line work, accuracy, model-making and sketching are some of the skills developed in the first half of the course.

In the second half of the semester students are extended to produce work for NCEA Level One Achievement Standard 1.8 'Present design ideas that show design features and functions'. This standard involves research, concept development, colour application, critical evaluation and scaled model making as some of the key elements to be assessed.

Where appropriate, the computer can be used to clarify or enhance a solution.

Graphics can lead to a career in all aspects of Design, Architecture, Engineering and Landscaping.

Field Trips: None

Course Costs: Stationery costs: approximately \$17.00
Material costs: \$4.00 (paid to the school)
Graphics Workbook approximately \$5.00

Next Step: NCEA Level 1 Graphics

Enquiries to: Mr Hawke

Year 11

Entry Requirements: Successful completion of Year 10 Graphics or at the discretion of the Head of Department.

Content/Skills:

The course includes three major internal assessments that cover Packaging, House Renovation and Landscaping. Students are required to research current trends, produce concepts and develop a feasible solution. This will be critically evaluated against the specifications. There are no external exams. However, elements of the external standards such as freehand sketching are inherent in the internal assignments. A range of graphic modes and media will be taught along with formal drawing and modelling skills to enable students to achieve success.

Those students who wish to be extended and prepare for scholarship will be offered the opportunity to start Level 2.

Field Trips: None

Course Costs: Stationery costs: Approximately \$40.00
Material costs: \$8.00 (paid to the school)

Assessment:

	<i>Level</i>	<i>Number of Standards</i>	<i>Credits</i>
Internal Achievement Standards	1	3	12
External Achievement Standards	1	4	12

Next Step: NCEA / NQF Level 2 National Certificate in Design (Introductory Skills) Unit Standards

Enquiries to: Mr Hawke

Year 12

Entry Requirements: Preference given to those who gain 12 credits (or better) in Year 11 Graphics or at the discretion of the Head of Department

Content/Skills:
 This National Certificate in Design (Introductory Skills) is for students considering a career in design technology, draughting, architecture, engineering, landscape, interior design, media advertising etc. The certificate is made up of 40 credits. You may plan to complete this over two years.

The course covers graphical communication and the techniques of technical drawing in the areas of environmental, architectural, landscape, survey and media design. Students will solve design problems through investigation, sketching, drawing, modelling and evaluation.

CAD programme, airbrushing, watercolour pencils and a draughting machine are tools used to communicate ideas.

Field Trips: None planned
Course Costs: Stationery costs: Approximately \$40.00
 Material costs: \$8.00 (paid to the school)

Assessment and the Qualification structure:	<i>Level</i>	<i>Number of Standards</i>	<i>Credits</i>
These COMPULSORY Unit Standards make up this course	2	5	18
Students successfully completing the above will be offered ELECTIVE Unit Standards (this requirement may be met or studied in an alternative subject)	2	2	6
A minimum of 16 credits, all of which must be at Level 2 or above from anywhere on the NQF			16
National Certificate In Design (Level 2)			40

Next Step: NCEA / NQF Level 3 National Certificate in Design, Unit Standards
Enquiries to: Mr Hawke

Year 13

Entry requirements: A minimum of 14 credits at NCEA Level 2 Graphics or at the discretion of the Head of Department.

Content/Skills:

This National Certificate in Design qualification recognises learners who are able to enter the work force with the skills to produce and communicate a graphics developed design response, which meets a defined need. It is envisaged that students gaining this qualification will wish to enter the design industry and build upon this qualification in subsequent work and training.

The Certificate is made up of 56 credits. Students may plan to complete the shortfall of credits in other subjects this year or in the future, or use them to top up the Level 2 National Certificate in Design course.

N.B. A minimum of 14 credits at Level 3 in this course have been approved as part of the University Entrance requirement. Graphics scholarship is available.

Field Trips: None planned
Course Costs: Stationery costs: Approximately \$40.00
 Material costs: \$8.00 (paid to the school)

Assessment and the Qualification structure:	<i>Level</i>	<i>Number of Standards</i>	<i>Credits</i>
These COMPULSORY Unit Standards make up this course	3	4	16
This compulsory requirement may be met or studied in an alternative subject			8
Students successfully completing the COMPULSORY Unit Standards in the top box will be offered these ELECTIVE (A) Unit Standards	3	2	10
This elective (B) requirement may be met or studied in an alternative subject			16
A minimum of 6 credits, all of which must be at Level 3 or above from anywhere on the NQF			6
National Certificate In Design (Level 3)			56

Next Step: University Course, Polytechnic Course, Design and Arts College
Enquiries to: Mr Hawke

Health 9HEA

Year 9

Entry requirements: Compulsory

Content/Skills:

All students take Health for three periods a week for one term. The main topics covered in the units are as follows:

Well-being and Personal Identification:

The New Zealand concept of well-being Hauora

Relationships:

Communication skills (feelings, listening, assertiveness); friendships; bullying, accepting differences

Sexuality / Caring for Ourselves:

Puberty (physical, mental, spiritual, emotional and social changes); body care; conception; contraception, decision making and risks associated with sexual activity (STI's)

Alcohol & Other Drugs:

Types and effects of drugs, with a focus on tobacco, alcohol, decision making skills, harm minimisation techniques

Field Trips:

None

Course Costs:

\$5.00 photocopying.

Next Step:

Year 10 Health

Enquiries to:

Mrs Shepherd

Health 10HEA

Year 10

Entry requirements: Compulsory

Content/Skills:

All students take Health for one period a week for the year. The main topics covered in the units are as follows:

Well-being and Keeping Ourselves Safe / Interpersonal Skills / Dealing with Change:

Hauora and well-being, assertiveness and conflict resolution; problem solving, dealing with change, maintaining physical and emotional safety, risk minimisation, caring for ourselves during change.

Sexuality:

Relationships, love, sexuality in the media, conception; contraception; STIs; sexual orientation; decision making skills in relationships

Alcohol & Other Drugs:

Types and effects of drugs with a focus on alcohol, marijuana and amphetamines; effects on physical and mental health, decision making skills, harm minimisation techniques.

Field Trips:

None

Course Costs:

Health materials \$13.00 for Workbooks

Next Step:

NCEA Level 1 Health or Physical Education or Home Economics

Enquiries to:

Mrs Shepherd

Year 11

Entry requirements: Year 10 Health
Strong literacy skills essential

Content/Skills:

This course builds on the skills developed in Year 10 and provides an opportunity for students to participate in a full NCEA four hour per week course, focussing on personal well-being and decision making. The main emphasis is on hauora and introduces a basic understanding of socio-ecological perspectives (personal, interpersonal and societal influences, consequences and strategies), and elementary aspects of health promotion among the strategies for goal setting and change. The goal is to equip students with the skills, knowledge and understanding to maintain and develop personal well-being and to introduce the concept of social justice. The main topics include well-being and goal setting, interpersonal skills, sexuality issues, managing changing states of health and drug issues.

Field Trips: None
Course Costs: Booklets \$40.00 total [\$20.00 Workbooks / \$20.00 Study Guide]

Assessment:	<i>Level</i>	<i>Number of Standards</i>	<i>Credits</i>
Internal Achievement Standards	1	3	12
External Achievement Standards	1	2	8

Next Step: NCEA Level 2 Health or Year 12 Physical Education/Health
Enquiries: Mrs Shepherd

Year 12

Entry requirements: Level 1 Health or HOD approval
Level 1 English essential.

Content/Skills:

This course builds on the skills developed in Level 1 and provides an opportunity for students to extend their knowledge in Health issues. The main focus is to equip students with the skills, knowledge and understanding to critically examine broader Health issues on a personal, interpersonal and societal level. There is a particular emphasis on the determinants of health, social justice and the societal influences on well-being (political, cultural and economic). As critical thinking is a key component to the assessment in this course, excellent communication and literacy skills are a distinct advantage and a requirement for entry into this course.

NB. This course is not based on medicalised topics of Health; more emphasis is placed on education about Health issues, ie the contributing factors towards disease rather than a study of the disease itself.

Field Trips: None

Course Costs: Booklets \$45.00 total [\$20.00 Workbooks / \$25.00 Study Guide]

Assessment:

	<i>Level</i>	<i>Number of Standards</i>	<i>Credits</i>
Internal Achievement Standards	2	2	10
External Achievement Standards	2	2	9

Next Step: NCEA Level 3 Health.

Enquiries: Mrs Shepherd

Year 13

Entry requirements: Level 2 Health / or HOD approval
Level 2 English essential.

Content/Skills:

This course builds on the skills developed in Level 2 and provides an opportunity for students to extend their knowledge of health issues to a much deeper level of understanding. The main focus is to equip students with the skills and knowledge to critically examine the effect of health determinants on Haoura at a personal, interpersonal and societal level, with a particular focus on the influences, consequences and strategies of these effects. Level 3 NCEA Health assessments require students to apply critical thinking skills using sociological, psychological and Health Promotion models, hence excellent communication and literacy skills are essential.

NB. As with Level 2, this course is not based on medicalized topics of Health; more emphasis is placed on education about Health issues (ie the contributing factors towards disease rather than a study of the disease itself, but to a much deeper level than at Level 2 NCEA).

Field Trips: None
Course Costs: Workbooks \$20.00

Assessment:

	<i>Level</i>	<i>Number of Standards</i>	<i>Credits</i>
Internal Achievement Standards	3	2	9
External Achievement Standards	3	2	10

Next Step: This course is particularly relevant for students wishing to further their studies at a tertiary level in the fields of Health, Sociology, Psychology or Education.

Enquiries: Mrs Shepherd

Year 11

Entry Requirements: An interest in History and good Social Studies and English results.

Content/Skills:

History is a subject for those who are interested in learning about the past but also for those who want to develop good academic skills. History enables students to develop skills of analysis and critical thinking. The ability to understand ideas and to formulate, develop and present information is essential to all vocational areas. This course enables students to use specific content to develop the skills of resource analysis, writing a coherent argument and understanding the perspectives of others.

Five Achievement Standards will be offered in 2010.

Topics studied during the year may include: Stalin – Revolutionary leader, Black Civil Rights in USA 1954 - 70, Ireland in conflict 1909-22, New Zealand and its Search for Security 1945-85 and the Origins of WWII. A research project will also be undertaken.

Field Trips: Students may occasionally be required to go to relevant movies, field trips, etc. Estimated cost included travel: Approx. \$15 per occasion.

Course Costs: Research costs eg photocopying. Departmental workbooks with resources and exercises may be available for various topics.

Assessment:

	<i>Level</i>	<i>Number of Standards</i>	<i>Credits</i>
Internal Achievement Standards	1	2	8
External Achievement Standards	1	3	12

Next Step: NCEA Level 2 History, NCEA Level 2 Classical Studies

Enquiries to: Miss Gallen

Year 12

Entry Requirements:

Preference given to those who gain a minimum of three Achieved grades (or better) in NCEA Level 1 History or 3 Achieved grades (or better) in certain NCEA Level 1 English.

No previous study of History required, but if this is the case, entry to the course is at the discretion of the HOD [Miss Gallen]. Students must have achieved a Level One essay standard to gain entry into 12 History.

Content/Skills:

History is a subject for those who are interested in learning about the past but also for those who want to develop good academic skills. History enables students to develop skills of analysis and critical thinking. The ability to understand ideas and to formulate, develop and present information is essential to all vocational areas. This course enables students to use specific content to develop the skills of resource analysis, writing a coherent argument and understanding the perspectives of others.

Five Level 2 achievement standards will be offered in 2010.

This course is divided into two sections:

1 Major events in History:

The following topics will be studied in 2010:

- Russia in Revolution: from Tsar Nicholas II to Lenin
- Vietnam War
- Authority and Dissent in Australia: including Ned Kelly and the Bush Rangers
- New Zealand's identity and its growth

2 Research assignment:

A research investigation of some specialised aspect of history

Field Trips:

There may be trips to relevant movies, university seminars etc during the course of the year. Estimated cost of each, including transport – approximately \$15.00

Course Costs:

Departmental workbooks with resources and exercises maybe available for various topics.

Assessment:

	<i>Level</i>	<i>Number of Standards</i>	<i>Credits</i>
Internal Achievement Standards	2	2	8
External Achievement Standards	2	3	12

Next Step:

NCEA Level 3 History

Enquiries to:

Miss Gallen

Year 13

Entry Requirements: 3 Achieved grades or better in Level 2 History and/or Classical Studies or certain English Achievement Standards. Students who have NOT taken History or Classical Studies before MUST have prior approval from Miss Gallen.
 Students must have gained an Achieved [or better] grade in an external Level 2 essay standard.

Content/Skills:

History is a subject for those who are interested in learning about the past but also for those who want to develop good academic skills. History enables students to develop skills of analysis and critical thinking. The ability to understand ideas and to formulate, develop and present information is essential to all vocational areas. This course enables students to use specific content to develop the skills of resource analysis, writing a coherent argument and understanding the perspectives of others.

Two NCEA Level 3 History Achievement Standards are internally assessed, based on research or investigative assignments/projects, the remaining three NCEA Level 3 Achievement Standards will be skills based and will relate to Tudor Stuart England 1558 – 1667. They are assessed in an external exam.

The internally-assessed module assesses students on their research and investigative work in a major assignment carried out during the year.

Content covered will include a study of aspects of English society during the crucial period of 1558-1667:

- a) Sex, marriage & family life
- b) Religious and popular beliefs, witchcraft and diseases.
- c) Social & economic changes
- d) Elizabethan & early Stuart government
- e) Major problems faced by Elizabeth I, James I & Charles I and how they dealt with them
- f) The English Revolution and its consequences: Revolution, Republic and Restoration.

Field Trips: There may be trips to relevant university seminars, displays, movies etc. during the course of the year. Estimated cost of each, including transport: approximately \$10.00

Course Costs: None

Assessment:	<i>Level</i>	<i>Number of Standards</i>	<i>Credits</i>
Internal Achievement Standards	3	2	9
External Achievement Standards	3	3	15

Next Step: University Course
Enquiries to: Miss Gallen

Entry requirements: None

Content/Skills:

Our food choices affect our health and well-being every day. In Home Economics students develop their knowledge and understanding in relation to food choices and nutrition, and how these choices contribute to their own well-being and the well-being of others.

Weekly practical work focuses on developing basic cookery skills and confidence so students become competent home cooks. Cookery methods used show students how to produce food products low in fat, salt and sugar. Some of the practical activities are muffins, savoury pin-wheel scones, pasta and sauce, a stir-fry served with rice or noodles, and hamburgers.

Field Trips: None

Course Costs: A subject fee of \$7.00 to \$12.00 is charged for consumables. Students will generally participate in one practical per week. Staple non-perishable ingredients are supplied by the department. Students will supply other ingredients needed for practical work.
Workbook \$3.00
Recipe Book \$2.00

Next Step: Year 10 Home Economics

Enquiries to: Ms Anderson, Ms Davidson, Mrs Buckley, Mrs Howat

Entry requirements: None

Content/Skills:

Our food choices affect our health and well-being every day. In Year 10 Home Economics students continue to develop their knowledge and understanding in relation to food choices and nutrition, and how these choices contribute to their own well-being and the well-being of others. The focus is teenagers' eating patterns and meeting their nutritional needs.

Students will generally participate in a weekly practical class to develop their practical cookery and group management skills. Students will produce a variety of sweet and savoury dishes that follow the New Zealand Food and Nutrition Guidelines for adolescents.

Field Trips: None

Course Costs: A subject fee of \$15.00 to \$20.00 is charged for consumables, staple non-perishable ingredients are supplied by the department. Students will supply other ingredients needed for practical work.
Workbook \$7.00
Recipe Book \$3.00

Next Step: NCEA Level 1 Home Economics

Enquiries to: Ms Anderson, Ms Davidson, Mrs Buckley, Mrs Howat.

Year 11

Entry Requirements: None

Content/Skills:

In this course students will develop knowledge, understanding and skills in relation to:

- Preparing food in a safe and hygienic manner, so it is properly cooked and safe to eat
- The nutritional requirements that adolescents' have for growth and well-being
- Selecting and preparing food that reflects health enhancing attitudes and behaviours
- Investigating the influences food choices
- Investigating the information found on food products

The focus is teenagers' eating patterns and meeting their nutritional needs

Assessment

- The internally assessed component takes the form of two written assessment tasks, along with a practical exam preparing the planned meals.
- The externally assessed component takes the form of two written examinations at the end of the year.

Students will generally participate in a weekly practical class to develop their practical cookery and group management skills. Students will produce a variety of sweet and savoury dishes that follow the New Zealand Food and Nutrition Guidelines for adolescents.

Field Trips: None

Course Costs: A subject fee of \$25.00 to \$30.00 is charged for consumables staple non-perishable ingredients are supplied by the department, students will supply other ingredients needed for practical work.
 Workbooks \$15.00
 Recipe Books \$7.00

Assessment:	<i>Level</i>	<i>Number of Standards</i>	<i>Credits</i>
Internal Achievement Standards	1	2	11
External Achievement Standards	1	2	9

Next Step: NCEA Level 2 / NQF Home Economics
 NCEA Level 2 / NQF Family Home and Society

Enquiries: Ms Anderson, Ms Davidson, Mrs Howat

Home Economics – Family Home & Society 12,13FHS NCEA Level 1 & 2

Year 12/13

Entry Requirements: NCEA Level 1 Home Economics 12 credits or better, or consultation with the Head of Department.

Content/Skills:

The course provides an introduction for students who are interested in working with and caring for children. It is a multi-level course, and students from both Year 12 and 13 are welcome to participate.

During the year students will:

- Investigate the different roles in a family and how families meet human needs
- Investigate and experience the care of children, focusing on a variety of child care options
- Gain knowledge and understanding of the healthy eating patterns of children and toddlers
- Develop skills in preparing and cooking food for children and toddlers
- Investigate and prepare nutritious low cost food for families.

Students will participate in the Plunket ‘Tots and Toddlers’ course and have the opportunity to gain credits in Early Childhood Education.

During two terms students will participate in practical classes to develop their practical cookery and group management skills. Students will produce a variety of sweet and savoury dishes that follow the New Zealand Food and Nutrition Guidelines.

Field Trips: Students will spend one day helping at a North Canterbury Childcare Centre/Pre-school and one day visiting Rangi Ruru Nanny School and NZ College of Early Education. [Trip cost \$15.00 to \$20.00]
Year 10 Camp, Boyle River Lodge: Some students from the class (4-8 students) may be selected to be Camp Cooks. This would involve one to three days out of class.

Course Costs: A subject fee of \$20.00 to \$25.00 will be charged for non-perishable ingredients supplied by the department.
Students will supply other ingredients needed for practical work.
Workbook \$10.00
Recipe Books \$8.00

Assessment:

	<i>Level</i>	<i>Number of Standards</i>	<i>Credits</i>
Internal Achievement Standards	-	-	-
External Achievement Standards	-	-	-
Unit Standards	2	5	21

Next Step: NCEA Level 3 Home Economics
Enquiries: Ms Anderson, Ms Davidson, Mrs Howat.

Years 12

Entry requirements: Level 1 NCEA Home Economics 12 Credits or better, or consultation with the Head of Department.

Content/Skills:

In this course students will be provided with learning opportunities that will enable them to:

- Investigate nutritional concerns in the community
- Examine the beliefs and gain knowledge about the eating patterns of vegetarians
- Examine eating patterns within New Zealand
- Examine high energy eating patterns

Field Trips:

Year 10 Camp, Boyle River Lodge: Some students from the class (4-8 students) may be selected to be the Camp Cooks. This would involve one to three days out of class.

Course Costs:

A subject fee of \$25.00 to \$30.00 will be charged for non-perishable ingredients supplied by the Department. Students will supply other ingredients needed for practical work.

Workbooks \$24.00

Recipe Books \$4.00

Assessment:

	<i>Level</i>	<i>Number of Standards</i>	<i>Credits</i>
Internal Achievement Standards	2	2	8
External Achievement Standards	2	2	8

Next Step:

NCEA Level 3 Home Economics

Enquiries to:

Ms Anderson, Ms Davidson

Years 13

Entry requirements: Level 1 and 2 Home Economics 12 Credits or more with English Level 1 and 2, or English, Mathematics, Chemistry and Biology at Level 2, or consultation with the Head of Department.

Content/Skills:

This course is for those interested in diet and disease with a strong emphasis on societal nutrition. Students could then further undertake studying Human Nutrition / Exercise and Sports Nutrition at a tertiary level for career opportunities in the health sector of New Zealand.

Topics covered include maintaining a healthy body weight, and how globalisation and media messages influence food choices. Students will be required to engage in and develop critical and creative thinking through a variety of learning activities.

The achievement standards covered are as follows:

Internal:

A.S. 90531 Explore a current nutrition issue affecting New Zealand Society

External:

A.S. 90533 Discuss the influences of media messages on food choices

A.S. 90534 Discuss the effects of globalisation on food choices in New Zealand

Field Trips:

Year 10 Camp, Boyle River Lodge: Approximately 4-8 students may be selected to be the Camp Cooks. This would involve one to three days out of class.

Course Costs:

A subject fee of \$25.00 to \$30.00 will be charged for non-perishable ingredients supplied by the Department. Students will supply other ingredients needed for practical work.

Workbooks \$24.00

Recipe Books \$4.00

Assessment:

	<i>Level</i>	<i>Number of Standards</i>	<i>Credits</i>
Internal Achievement Standards	3	1	6
External Achievement Standards	3	2	9

Next Step:

-

Enquiries to:

Ms Anderson, Ms Davidson

Horticulture 10HOR

Year 10

Entry requirements: An interest in growing plants

Content/Skills:

Are you interested in plants; what makes them tick and how to grow them? What is the future in Horticulture? Find out about all the different jobs.

You will use the outdoor plots and the greenhouse to grow, train and harvest plants using a range of techniques. You will learn about landscaping skills and visit some local growers.

Field Trips: Two ½ day trips to local growers

Course Costs: \$10.00 plus field trips

Next Step: NCEA Level 1 Horticultural / Agricultural Science

Enquiries to: Mrs Koster

Japanese as a Second Language 9JAP

Year 9

Entry Requirements: None

Content/Skills:

This introduction to Japanese offers students a taste of a foreign language and culture. Students will learn how to greet visitors, make introductions and talk about themselves. We begin learning the Japanese writing system and look at some Japanese culture.

Students wanting to continue studying Japanese in Year 10 must take Japanese 2 as an option.

Field Trips: Junior Matsuri (Speech Competition) in November: \$4.00

Course Costs: \$3.00 for Japanese cooking in JAP2

\$2.00 for Workbook

Next Step: Year 10 Japanese

Enquiries to: Miss Dalley

Japanese as a Second Language 10JAP

Year 10

Entry Requirements: Two terms of Year 9 Japanese or at teacher's discretion

Content/Skills:

This is a full year course, which develops the skills of speaking, listening, reading and writing introduced in Year 9, expanding students' vocabulary within simple sentence patterns. Students continue to study the Japanese writing system. Language and culture are learned within the context of topics such as school, hobbies, family, outings and weather.

Field Trips: Junior Matsuri (Speech Competition) in November: \$4.00

Course Costs: \$3.00 for Japanese cooking
\$3.00 for Hiragana / Katakana Booklet

Next Step: NCEA Level 1 Japanese

Enquiries to: Miss Dalley

Japanese as a Second Language 11JAP

NCEA Level 1

Year 11

Entry Requirements: Year 10 Japanese

Content/Skills:

This course builds on Year 9 and 10 Japanese to complete up to level six of Japanese in the New Zealand Curriculum. Students should be able to use familiar language in a variety of situations, and understand and use many Japanese customs. Students are also expected to be able to read and write hiragana, katakana and 50 simple kanji by the end of this year.

Field Trips: Senior Speech Competition / Senior Immersion Camp

Japan Trip: Every 2-3 years

Costs: \$15.00 for Course / Study Note Booklet

Assessment:

	<i>Level</i>	<i>Number of Standards</i>	<i>Credits</i>
Internal Achievement Standards	1	2	6
External Achievement Standards	1	3	15

Next Step: NCEA Level 2

Enquiries to: Miss Dalley

Japanese as a Second Language 12JAP

NCEA Level 2

Year 12

Entry Requirements: 12 credits NCEA Level 1 Japanese or at the discretion of the Head of Department

Content/Skills:

Students continue to develop their language skills, learning more complex grammatical structures and gaining flexibility in using Japanese in less familiar contexts. They should be reaching the 'social competence' stage of language development. The study of the Japanese writing system continues, focusing on Kanji. By the end of the year students will be able to use approximately 130 of the most common kanji.

Field Trips: Senior Speech Competition / Senior Immersion Camp
Japan Trip: Every 2-3 years

Costs: \$15.00 Course / Study Note Booklet

Assessment:

	<i>Level</i>	<i>Number of Standards</i>	<i>Credits</i>
Internal Achievement Standards	2	2	6
External Achievement Standards	2	3	15

Next Step: NCEA Level 3

Enquiries to: Miss Dalley

Japanese as a Second Language 13JAP

NCEA Level 3

Year 13

Entry Requirements: 12 credits NCEA Level 2 Japanese or at the discretion of the Head of Department

Content/Skills:

The four language skills are further developed. Students will have sufficient knowledge of vocabulary and grammar to allow communication and understanding of complex information in Japanese. Students expand their knowledge of kanji to a total of 200 characters including the meanings, how to write them and the various readings associated with each character.

Assessment:

	<i>Level</i>	<i>Number of Standards</i>	<i>Credits</i>
Internal Achievement Standards	3	2	6
External Achievement Standards	3	3	15

Field Trips: Senior Speech Competition / Senior Immersion Camp
Japan Trip: Every 2/3 years

Costs: \$15.00 for Course / Study Note Booklet

Next Step: Tertiary study e.g. Polytechnic or University course

Enquiries to: Miss Dalley

Kapahaka – Ka Awatea Tua Tahī 9KAP

Year 9

Entry requirements: Membership of the school kapahaka group and involvement in performance as required

Content/Skills

This course is an introduction to Maori performance and leads to Ka Awatea Tua Rua in the senior school where credits on the National Curriculum Framework will be offered.

By the end of the course, students will be able to demonstrate knowledge of the origins of Maori performance and be able to take part in the performance component of the course.

Field trips: Performances at a variety of venues in the community

Course Costs: Appropriate to meet koha

Next Step: Kapahaka-Ka Awatea Tua Rua

Enquiries: Matua Kaharoa Manihera

(This course will be dependent on staffing and student numbers)

Kapahaka – Ka Awatea Tua Rua 11KAP

Years 10, 11, 12 & 13

Entry requirements: Membership of the school kapahaka group and involvement in performance as required

Content/Skills

This course is an introduction to Maori performance and offers credits on the National Curriculum Framework.

By the end of the course students will be able to demonstrate knowledge of the origins of Maori performance and be able to take part in the performance component of the course.

Assessment:

	<i>Level</i>	<i>Number of Standards</i>	<i>Credits</i>
Internal Unit Standards	1	4	13

Field trips: Performances at a variety of venues in the community

Course Costs: Appropriate to meet koha

Next Step: Tertiary studies at Polytechnic

Enquiries: Matua Kaharoa Manihera

Languages for Tourism, Travel and Employment LAN NCEA Level 2

Year 11, 12 & 13

Entry requirements: None.

Content/Skills:

This course is designed for students who have not studied a language and who wish to add to their skills prior to employment, travel or further study requiring language skills. This course will give students basic communication skills in French, German, Japanese and Spanish. Each language is studied for one term.

This course is dependent upon staffing and student numbers.

Field Trips: None

Course Costs: \$12.00 – food tasting

Assessment:	<i>Level</i>	<i>Number of Standards</i>	<i>Credits</i>
Unit Standards	2	1	2

Next Step: National Qualifications Framework Tourism
Employment, travel, further study.

Enquiries to: Miss Wiseman

Legal Studies 12LAW NCEA Level 2

Year 12

Entry requirements: 8 credits of NCEA Level 1 English (or at the discretion of the Head of Department Commerce).

Content/Skills:

This course will cover why there are laws, how laws are created and how they affect our everyday lives. It will examine the court system and look at criminal law. The course involves the community and includes visits outside the classroom.

The course also covers 3 module topics - Employment Law - Motoring Law
- Consumer Law

Field Trips: One whole day trip to Christchurch in Term 3 – approximate cost \$15.00

Course Costs: Workbook up to \$25.00

Assessment:	<i>Level</i>	<i>Number of Standards</i>	<i>Credits</i>
Internal Unit Standards	2	7	21

Next Step: 13LAW

Enquiries to: Ms McDonald

Legal Studies 13LAW

NCEA Level 2

Year 13

Entry requirements: 8 credits of Level 1 English (or at the discretion of HOD Commerce)**Content/Skills:**

This is an interesting and enlightening course, aimed at students who have a general interest in the New Zealand Legal System. It is a subject that deals with current issues and builds on student's general knowledge. This course is not suitable for students aiming to become lawyers.

Topics covered include:

- The New Zealand Legal System
- Justice and Court Processes
- Law Reform
- A comparison of different legal systems
- Individual Rights in New Zealand

This course is assessed internally with Level Three Unit Standards.

Field Trips: One whole day trip to Christchurch in Term 2 – approximate cost \$15.00**Course Costs:** Workbook up to \$25.00

Assessment:	<i>Number of Standards</i>	<i>Credits</i>
Internal Unit Standards	6	22

Next Step: -**Enquiries to:** Ms McDonald**Mathematics 9MAT**

Year 9

Entry requirements: Compulsory**Content/Skills:**

Revises basic operations with numbers and decimals, and covers metric units, percentages, statistics, the geometry of lines and triangles, transformation geometry, algebra and graphs and the use of the calculator.

Field Trips: None**Course Costs:** Calculator (preferably a scientific one) and basic mathematics equipment of a protractor, compass and ruler.
Homeworkbook \$12.00**Next Step:** Year 10 Mathematics**Enquiries to:** Mr Rollo or Mr Palmer

Mathematics 10MAT

Year 10

Entry requirements: Compulsory**Content/Skills:**

Includes algebraic manipulation; number forms; ratio, transformations, measurement in two dimensions, probability, number patterns and linear equations, unit pricing and proportions, trigonometry, vectors, graphs and relationships, percentages and their applications, quadratics, measurement in three dimensions, statistics, polygons, constructions and loci, time and rates. NCEA Level 1 Achievement Standards 1.4 Geometry and 1.3 Measurement will be attempted.

Field Trips: None

Course Costs: Scientific calculator and the basic mathematics equipment of a protractor, compass and ruler
Homeworkbook \$12.00

Next Step: 1 NCEA Level 1 Mathematics, or
2 NCEA Level 1 Mathematics Applied I

Enquiries to: Mr Rollo or Mr Palmer**Mathematics 11MAT**

NCEA Level 1

Year 11

Entry requirements: Year 10 Mathematics.**Content/Skills:**

This course consists of 7 topics; one of these is internally assessed. The remaining topics Algebra, Graphing, Probability, Numeracy, Trigonometry and Geometry are assessed in a three hour external examination. Some Unit Standards covering the above topics may also be assessed.

Field Trips: None

Course Costs: Students require a scientific or graphic calculator
Workbook \$18.00

Assessment:

	<i>Level</i>	<i>Number of Standards</i>	<i>Credits</i>
Internal Achievement Standards	1	1	3
External Achievement Standards	1	6	16

Next Step: One of NCEA Level 2 Courses**Enquiries to:** Mr Rollo or Mr Palmer

Mathematics Applied I 11MAP

NCEA Level 1

Year 11

Entry requirements: This course is designed for students who have had considerable difficulty in Year 10 Mathematics but who wish to consolidate and extend their learning of basic concepts.

Content/Skills:

A thematic approach is employed within this course, using such topics as cars; constructions, music, clothes; sports, travel; pets. Includes solving problems with whole numbers, decimals, percentages, fractions and ratios, measurements involving time, mass, length, temperature; geometry and construction; formulae, equations and graphs, interpreting statistical data.

Unit Standards will be offered to go towards NCEA Level 1

Field Trips: None
Course Costs: Students require a basic calculator

Next Step: NCEA Level 1 or NCEA Level 2 Mathematics Applied II
Enquiries to: Mr Rollo or Mr Palmer

Mathematics – Advanced 12MAA

NCEA Level 2

Year 12

Entry requirements: Advanced Mathematics is a course for student who achieve at least 7 out of 9 Level 1 achievement standards, preferably with Merit or better from Achievement Standards 1.1 and/or 1.2. (At least 20 credits)

Content/Skills:

Achievement Standards: 2.7 Sequences & Series, 2.1 Algebra, 2.2 Graphing, 2.5 Statistics, 2.3 Calculus, 2.6 Probability, 2.9 Trigonometry

Unit Standard: US5245 Co-ordinate Geometry
Field Trips: None
Course Costs: Students require a scientific or graphics calculator.
Workbook \$18.00

Assessment:	<i>Level</i>	<i>Number of Standards</i>	<i>Credits</i>
Internal Achievement Standards	2	2	4
External Achievement Standards	2	6	17
Internal Unit Standard	2	1	3

Next Step: This course leads on to NCEA Mathematics Level 3, both Maths with Statistics and Maths with Calculus.
Enquiries to: Mr Rollo or Mr Palmer

Mathematics 12MAT

NCEA Level 2

Year 12

Entry requirements: Mathematics is a course suitable for students who achieved between 12 and 19 credits at Level 1 Mathematics preferably with credit from at least one Algebra Achievement Standard.

Content/Skills:

Achievement Standards: 2.7 Sequences & Series, 2.5 Statistics, 2.6 Probability, 2.2 Algebra.
Unit Standards: 5245 Coordinate Geometry, 5246 Algebra, 5244 Calculus, 5251 Trigonometry.

Field Trips: None

Course Costs: Students require a scientific or graphic calculator.

Assessment:

	<i>Level</i>	<i>Number of Standards</i>	<i>Credits</i>
Internal Achievement Standards	2	3	7
External Achievement Standards	2	2	5
Internal Unit Standards	2	4	10

Next Step: Students who achieve at least 12 credits in this course will be able to do NCEA Level 3 Mathematics with Statistics

Enquiries to: Mr Rollo or Mr Palmer

Mathematics Applied II 12MAP

NCEA Level 1 & 2

Year 12

Entry requirements: 12 MAP is a mix of NCEA Mathematics Level 1 & 2 units and is suitable for students with limited success at Level 1. (Less than 10 credits)

Content/Skills:

This course offers a full range of Unit Standards at both Level 1 and Level 2. These will be selected from the topics in Number, Measurement, Algebra, Geometry, Statistics, Probability.
Each student has their own individual programme; this depends on their learning record and goals.

Field Trips: None

Course Costs: Students require a scientific calculator

Assessment:

	<i>Level</i>	<i>Number of Standards</i>	<i>Credits</i>
Internal Achievement Standards	1	1	4
External Achievement Standards	1	3	8
Internal Achievement Standards	2	1	2
External Achievement Standards	2	2	5

Next Step: Mathematics Applied III (only if it is the second year in the Maths Applied Courses)

Enquiries to: Mr Rollo or Mr Palmer

Year 13

Entry requirements: This course is designed for students who have attempted NCEA Mathematics Level 2 and wish to consolidate and extend their learning of mathematics.
This is **not** a course for students who already have NCEA Level 2 Certificate.

Content/Skills: This course will offer some Level 2 and 3 Achievement Standards and Unit Standards. All Standards will be Internally Assessed. ie No exam at the end of the year

Field Trips: None
Course Costs: Students require a scientific calculator

Assessment:	<i>Level</i>	<i>Number of Standards</i>	<i>Credits</i>
Internal Achievement Standards	2	3	7
Internal Achievement Standards	3	2	6
Internal Unit Standards	2	3	7

Next Step: -
Enquiries to: Mr Rollo or Mr Palmer

Year 13

Entry requirements: NCEA Level 2 Advanced Mathematics at least 18 credits which needs to include a merit in Achievement Standard 2.3 (Calculus).

Content/Skills:

This course is designed for students going on to study mathematics, the physical sciences and engineering at a tertiary level.

Topics include quadratic equations and function; binomial theorem; differentiation; trigonometric functions, co-ordinate geometry; compound angles; trigonometric equation; applications of differentiation; complex numbers; conics, parametric representation.

- 3.1 Find and use derivatives to solve problems
- 3.2 Find and use integral and numerical methods to solve problems
- 3.3 Model situations using differential equations
- 3.4 Manipulate real and complex numbers, and solve equations
- 3.5 Sketch graphs and find equations of conic sections
- 3.6 Solve problems and equations involving trigonometric functions

Field Trips: None

Course Costs: Students require a scientific calculator or Graphics Calculator [Graphics preferred]
Workbook \$18.00

Assessment:	<i>Level</i>	<i>Number of Standards</i>	<i>Credits</i>
Internal Achievement Standards	3	2	6
External Achievement Standards	3	4	18

Next Step: Tertiary Course

Enquiries to: Mr Rollo or Mr Palmer

Mathematics Statistics and Modelling 13MAS NCEA Level 3

Year 13

Entry requirements: NCEA Level 2 Mathematics at least 12 credits in Level 2 Advanced Mathematics or at least 10 credits in Level 2 Mathematics. This must include US5246 [Algebra].

Content/Skills:

This course is designed for students interested in quantitative aspects of the biological and social sciences, medicine, commerce and administration mathematics. Students with a strong interest in mathematics may wish to use this course to complement their work in Mathematics with Calculus.

- 3.1 Determine the trend for time series data
- 3.2 Calculate confidence intervals for population parameters
- 3.3 Solve probability problems
- 3.4 Solve non-linear equations and systems of three linear equations
- 3.5 Complete a statistical investigation involved bi-variate data
- 3.6 Use probability distribution models to solve problems
- 3.7 Use mathematics models involving curve fitting to solve problems
- 3.8 Use linear programming methods to solve problem(s)

Field Trips: None
Course Costs: Students require a scientific calculator or Graphics Calculator
Workbook \$18.00

Assessment:	<i>Level</i>	<i>Number of Standards</i>	<i>Credits</i>
Internal Achievement Standards	3	3	8
External Achievement Standards	3	4	16

Next Step: Tertiary Course
Enquiries to: Mr Rollo or Mr Palmer

Year 11

Entry Requirements: A keen interest and commitment to produce practical and written work of the highest standard

Content/Skills:

This engineering course has a practical emphasis. This course is designed to lead students into an exciting future of many engineering fields. Students will be able to complete a National Certificate in Mechanical Engineering Technology. 24 credits from this MET Course and the remaining 16 credits from another elective total the 40 credits required.

Study areas include:

- Workshop and workplace Health and Safety
- Workshop processes, techniques and tools
- Fastening, assembly and welding processes
- Basic arithmetic and applied geometry
- Metals and plastic materials technology
- Simple design and construction methods

Field Trips: One day industry visit

Course Costs: \$35.00 for materials

Assessment:

	<i>Level</i>	<i>Number of Standards</i>	<i>Credits</i>
Unit Standards	1	3	24

Next Step: NQF Engineering, Technology and / or NCEA Technology

Enquiries to: Mr Fawcett, Mr Hawke

Media Studies 9MES

Year 9**Year 9****Content/Skills:**

Do you have an interest in the media? Can you imagine what life would be like without your television or i-pod?

This elective looks at the impact of media on your life, with particular focus on film and movie trailers. The practical component of the course gives students the opportunity to create their own movie trailer.

To make the most of this course you will need to be able to work in a group, be personally aware in order to be trusted with practical tasks and have an interest in the media.

Course Costs: \$3.00 course handbook

Next Step: Year 10 Media

Enquiries to: Mrs Geldard

Media Studies 10MES

Year 10**Year 10****Content/Skills:**

This course focuses on the animated film genre and how to create the illusion of movement. In the second term, students will learn the theory behind radio production and will create their own radio show.

This course is excellent preparation for Year 11 Media.

Course Costs: \$4.00 course handbook

Enquiries to: Mrs Geldard

Media Studies 11MES

NCEA Level 1

Year 11

Entry requirements: Year 10 Media Studies or English – a good attitude and the ability to meet deadlines is essential

Content/Skills:

Our Year 11 course offers students a grounding in the concepts required for further study of the media. Beginning with a study of ourselves as an audience, this progresses through a genre study onto camera skills and film production. You need to have a high level of attainment in Year 10 English, be motivated, organised and ready to learn. Topics covered include: stop-motion animation, photo-journalism, teen films and radio audiences.

Field Trips: To be advised.
Course Costs: \$6.00 course handbook
 \$4.00 for plasticine

Assessment:	<i>Level</i>	<i>Number of Standards</i>	<i>Credits</i>
Achievement Standards	2	2	6
Unit Standards	2	4	12

Next Step: NCEA Level 2 Media Studies
Enquiries to: Mrs Geldard

Media Studies 12MES

NCEA Levels 2

Year 12

Entry requirements: NCEA Level 1 English or Media Studies. (Students will need to show an ability to meet deadlines).

Content/Skills:

Media Studies offers students the opportunity to look at the role the media plays in their own lives on a daily basis. This is a demanding course and meeting deadlines is essential in both production and theory. Students investigate film conventions and television crime drama during Term 1. They then move on to newspaper theory and production, creating advertisements and looking at the representation of Maori culture on New Zealand television. You need to be motivated, enthusiastic and have an enquiring mind.

Field Trips: One day – Marae trip
Course Costs: \$6.00 course handbook
 \$30.00 Marae trip
 \$15.00 mini DV tape

Assessment:	<i>Level</i>	<i>Number of Standards</i>	<i>Credits</i>
Achievement Standards	2	5	18

Next Step: NCEA Level 3 Media Studies
 NZ School of Broadcasting, CPIT, Canterbury School of Media
Enquiries to: Mrs Geldard

Year 13

Entry requirements: NCEA Level 2 – 12 credits in English or Media Studies

Content/Skills:

Year 13 Media Studies focuses on the sociological side of the media and we encourage students to develop critical thinking skills in terms of how they read and process media messages. Students will study a film genre, short film and documentary theory and production, a specific director and the Hollywood film industry.

The course is demanding and meeting deadlines is an essential element for both production and theory.

Field Trips: To be advised
Course Costs: \$6.00 course handbook
 \$15.00 mini DV tape

Assessment:	<i>Level</i>	<i>Number of Standards</i>	<i>Credits</i>
Internal Achievement Standards	3	4	12
External Achievement Standards	3	2	8

Next Step: Media/Communication Studies
 - Auckland University of Technology
 - University of Waikato
 - University of Canterbury
 - Massey University
 NZ School of Broadcasting, CPIT, Canterbury School of Media
 NZ Film School, Aoraki Polytechnic

Enquiries to: Mrs Geldard

Entry requirements: Compulsory

Content/Skills:

Running over two terms, this course forms an introduction to the process of music-making. Topics covered include notation skills, melody, rhythm, creative music making, instruments of the orchestra, keyboard technique, beginner guitar and listening skills. This course provides a basis for further skills development in Year 10 and beyond.

Field Trips: None
Course Costs: None

Next Step: Year 10 Music
Enquiries to: Mrs Rowe

Music – Sound Arts 10MUS**Year 10****Entry requirements:** Students must be learning an instrument either privately or at school**Content/Skills:**

This practically based course encourages creativity and performance skills. In addition, associated skills based on listening introduces the students to the analysis of music. A commitment to study one major instrument is required at this level. As performance is a major aspect of this course, all students are required to learn an instrument, either privately, or through the school itinerant programme. Public performance, both as a soloist and in a group situation, is an essential component in the classroom programme. Students can opt to take a six-month course or, for those intending to specialise at Level 1 and beyond, a full year course is available.

Field Trips: None**Course Costs:** None**Next Step:** NCEA Level 1 Music Performance**Enquiries to:** Mrs Rowe**Music – Sound Arts 11MUS****NCEA Level 1****Year 11****Entry requirements:** Year 10 Music (either the half-year or full year course), Grade 3 theory and instrumental/vocal, or equivalent.**Content/Skills:**

This exciting course aims at creating, performing and appreciating a wide range of musical styles. Students are expected to perform their own music and the music of others, both individually and in groups; to learn the skills of composition; to develop aural skills and to study works and composers covering a wide range of styles and periods. As a requirement of this course, all students must receive instrumental/vocal tuition, either privately or through the school itinerant programme.

Field Trips: One**Course Costs:** Up to \$20.00 for concerts

\$12.00 for Course Booklets

Up to \$20.00 for theory books as required

Assessment:

	<i>Level</i>	<i>Number of Standards</i>	<i>Credits</i>
Internal Achievement Standards	1	4	15
External Achievement Standards	1	2	5

Note: Students may also enter for AS90017 (worth 4 credits) only by negotiation with the HOD, Mrs Rowe.**Next Step:** NCEA Level 2**Enquiries to:** Mrs Rowe

Year 12**Entry requirements:** NCEA Level 1 or Grade 4 theory and instrument/vocal equivalent.**Content/Skills:**

This course gives equal emphasis to the musical concepts of listening, creating and performing. Skills include aural skills, performing both individually and a group, and creative writing skills. As performance is such an essential component of this course, it is imperative that all students receive instrumental/vocal tuition, either privately or through the school itinerant programme.

Field Trips:

One

Course Costs:

Up to \$20.00 for concerts

\$12.00 for Course booklets

Up to \$20.00 for theory books as required

Assessment:

	<i>Level</i>	<i>Number of Standards</i>	<i>Credits</i>
Internal Achievement Standards	2	5	14
External Achievement Standards	2	2	5

Note: Students may also enter for AS90270 (worth 5 credits) only by negotiation with the HOD, Mrs Rowe.

Next Step:

NCEA Level 3 Music

Enquiries to:

Mrs Rowe

Year 13

Entry requirements: Credit in NCEA Level 2 or at least Grade 5 theory and instrumental/vocal or equivalent.

Content/Skills:

NCEA Level 3 Music allows students to follow their own interests/strengths. Students can tailor their own course from the two options of making music and music studies. For those intending to further their music to tertiary level and beyond, it is possible to undertake all 48 credits at this level.

Level 3 music requires a high degree of self motivation from the student. Deadlines are necessarily flexible to incorporate the busy schedules of the practising musician. Much of the course work is inter-related with formal written assignments echoing the repertoire and interests of each individual.

Field Trips: One trip
Course Costs: Up to \$20.00 for concerts

Making Music**Assessment:**

	<i>Level</i>	<i>Number of Standards</i>	<i>Credits</i>
Internal Achievement Standards	3	3	20
External Achievement Standards	3	2	4

Music Studies**Assessment:**

	<i>Level</i>	<i>Number of Standards</i>	<i>Credits</i>
Internal Achievement Standards	3	2	13
External Achievement Standards	3	2	11

Next Step: University or Polytechnic Course.
Enquiries to: Mrs Rowe

Year 11

Entry requirements: Open to all students

Content/Skills:

New Zealand Studies is a course designed to find out more about New Zealand, its people, places and history. Students will complete a mixture of Level 1 History, Geography and Social Studies Achievement and Unit Standards. Some of the following topics are studied in the course:

- Important people and events that have taken place in New Zealand
- New Zealand Population Patterns
- New Zealand Fiction

The course offers 21 internally assessed Level 1 credits and will require students to be able to gather information independently and to present research assignments. There will be fieldwork opportunities, in conjunction with, and separate to, History and Geography.

Assessment:	<i>Level</i>	<i>Number of Standards</i>	<i>Credits</i>
Internal Unit Standards	1	2	6
Internal Achievement Standards	1	4	15

Next Step: Year 12 History / Geography / Tourism
Enquiries to: Mr Moyle / Mr Olson / Miss Gallen

Painting 13PAI

NCEA Level 3

Year 13

Entry requirements: NCEA Level 2 Practical Art or at the discretion of the Head of Department.

Content/Skills:

A practical course of study initially based on gathering information and generating ideas. The course will cover a range of drawing and painting processes, research techniques and the investigation of past and present artists. The course will progress to an individual programme of study generated from a body of work. Emphasis will be on the development, clarification and resolution of pictorial ideas through drawing and painting. Scholarship entry available.

Students can study a maximum of two Level 3 Art subjects in the one year.

Field Trips: Where appropriate

Course Cost: \$30.00 for consumables

Students can also expect approximately \$60.00 for specialist materials and field trips.

Assessment:

	<i>Level</i>	<i>Number of Standards</i>	<i>Credits</i>
Internal Achievement Standards	3	1	6
External Achievement Standards	3	1	14

Next Step: Tertiary Course

Enquiries to: Mrs Robertson

Photography 12PHO

NCEA Level 2

Year 12

Entry requirements: Year 11 Art recommended or at the discretion of Head of Department.

Content/Skills:

An introduction to photography. This is a practical and theoretical course aimed at developing a student's understanding of what constitutes correct technical photographic processes. Students will also be expected to present a number of essays during the year dealing with technical, historical, and analytical aspects of photography along with picture making devices and pictorial concerns. They will have the opportunity to express their personal ideas in a major project towards the end of the year. Digital and analogue process are able to be used.

Field Trips: Up to two days for gallery / exhibition visits.

Course Cost: The costs will be at least \$100.00 (not including a camera)

\$30.00 fee for darkroom chemicals if applicable

Assessment:

	<i>Level</i>	<i>Number of Standards</i>	<i>Credits</i>
Internal Achievement Standards	2	1	6
External Achievement Standards	2	1	12

Next Step: NCEA Level 3 Photography

Enquiries to: Mrs Robertson

Photography 13PHO

NCEA Level 3

Year 13

Entry requirements: Photography and/or Art at Year 12 recommended or in consultation with Head of Department.

Content/Skills:

A practical course of study based on gathering information, analysing and generating ideas for the Internal assessments. Students will then develop a body of work suitable for a folio, which is externally assessed. The subject is chosen by the student in collaboration with the teacher. The emphasis is on the development, clarification and resolution of pictorial ideas through appropriate technical processes. This includes the use of digital and analogue processes. Scholarship entry available.

Field Trips: Students can expect three days out of school for gallery / exhibition visits.

Course Cost: Students at this level should have their own single-lens reflex (SLR) camera or a multi-function digital camera. Approximate costs are \$150.00 per year. There is also a \$30.00 fee for darkroom chemicals if applicable.

Assessment:

	<i>Level</i>	<i>Number of Standards</i>	<i>Credits</i>
Internal Achievement Standards	3	1	6
External Achievement Standards	3	1	14

Next Step: Tertiary Course

Enquiries to: Mrs Robertson

Physical Education 9, 10PED

Years 9 & 10

Entry requirements: Compulsory

Content/Skills:

In Physical Education, students focus on movement and its contribution to the development of individuals and others around them. By learning in, through and about movement, they come to understand that physical activity is enjoyable and that it enhances people's lives. Students learn to understand, appreciate, and move their bodies, relate positively to others and demonstrate positive attitudes and values.

Physical Education encourages students to engage in movement experiences that promote the development of physical and social skills.

In order to achieve this, all students participate in Physical Education for two hours per week. The following unit topics will be covered:

Athletics, Aquatics, Fitness Studies, Movement and Dance, Gymnastics, Co-operative Games, Invasion Games, Net / Wall Games, Racquet and Ball skills / games, in a variety of learning contexts.

Field Trips: None

Course Costs: Year 9 & 10 Workbook \$5.00

Next Step: Year 11 Sport and Recreation
NCEA Physical Education Level 1

Enquiries to: Mrs Searle

Year 11

Entry requirements: A high level of participation and effort in Year 10 Physical Education

Content/Skills:

Physical Education at this level can be taken as an NCEA Achievement Standards course or a Unit Standards course (see separate course outline for Unit Standards course). This course is designed for those students who have a real interest in Physical Education and Sport. It covers a wide range of practical and theoretical components.

The course is designed to develop individual performance and lifestyle skills. Students will experience enjoyment of physical activity and learn to analyse their own performance. They will also develop leadership skills by participating in a variety of sports and learn to make informed decisions about a healthy lifestyle.

Theoretical aspects include:

Athletics analysis, well-being, basic Anatomy, Biomechanics, Exercise Physiology and leadership roles

Physical Education at this level is taken as a four hour course and will offer 20 NCEA credits which are all assessed internally against five Achievement Standards.

Students cannot study 11PED and 11SPR concurrently.

Field Trips: None
Course Costs: Workbook \$5.00
 Fitness Sessions \$7.00

Assessment:

	<i>Level</i>	<i>Number of Standards</i>	<i>Credits</i>
Internal Achievement Standards	1	5	20

Next Step: Physical Education NCEA Level 2
 Year 12 Sport and Recreation

Enquiries to: Mrs Searle

Physical Education – Sport & Recreation 11SPR NCEA Level 1

Year 11

Entry requirements: Entry is at the discretion of the HOD Physical Education, who will consult with Year 10 PE teachers regarding a student’s suitability for the practical nature of this course.

Content/Skills:

This Year 11 Physical Education course is assessed using Unit standards and one Achievement Standard, and is primarily for those students who would find the academic requirements of NCEA Achievement Standards too difficult at Level 1. It is a largely practical course, but has some written components.

The content of this course will cover the improvement and development of skills and attitudes in an individual and team sport. It will also focus on participation and the development and understanding of personal fitness.

Students considering this course must be mindful of the need to be active and fully involved in all periods, except where sickness or injury prevent full participation.

Students cannot study 11PED and 11SPR concurrently.

Field Trips: Fitness Activities: \$50.00 approximately
Course Costs: Workbook \$5.00

Assessment:	<i>Level</i>	<i>Credits</i>
Unit Standards	1	11
Achievement Standards	1	3

Next Step: NCEA Year 12 Sport & Recreation
Enquiries to: Mr Cortesi / Mrs Searle

Year 12

Entry requirements: Half of the available credits in NCEA Level 1 Physical Education or at the discretion of the HOD Physical Education.

Content/Skills:

This course is designed for those students who have a real interest in Physical Education and Sport. It covers a wide range of practical and theoretical components. Physical Education at this level can be taken as an NCEA Achievement Standards course or a Unit Standards course (see separate section for course details – Sport and Recreation).

In 2010, Physical Education will offer a full NCEA Level 2 course assessed internally against six Achievement Standards.

Emphasis is also on critical thinking and evaluating performance.

This course focuses on increasing knowledge and skills related to physical activity. The course has a mix of practical and theoretical components. Theoretical studies include anatomy, biomechanics, methods and principles of training, skill learning, sports psychology and leadership strategies.

Practical components will include Rock Climbing, Badminton, Cricket and Touch.

It is a useful course for students who wish to contribute to sport and recreation at school and in the community, as well as being excellent base material for NCEA Level 3 Physical Education and future tertiary study.

Students cannot study 12PED and 12SPR concurrently.

Field Trips: Climbing – ½ day to YMCA (February/March)
- 1 day to Rapaki Rock (March)

Course Costs: Workbook \$5.00
Climbing - \$70.00 approximately (2 trips)

Assessment:	<i>Level</i>	<i>Number of Standards</i>	<i>Credits</i>
Internal Achievement Standards	2	6	19

Next Step: NCEA Level 3 Physical Education
NZQA Outdoor Pursuits and Leadership
NZQA Year 13 Sports and Recreation

Enquiries to: Mrs Searle

Year 12

Entry requirements: Preference will be given to students who have completed 11PED or 11SPR course and at the discretion of the HOD Physical Education. Students considering this course must be mindful of the need to be active and fully involved in all periods, except where sickness or injury prevent full participation.

Content/Skills:
 This course is a Year 12 practical Physical Education course that is assessed using mostly Unit standards and is primarily for those students who would find the academic requirements of NCEA Achievement Standards too difficult at Level 2 or have not met the entry requirements for the NCEA Physical Education course.

This course will focus on improvement and development of individual skills and teamwork. Participation and the development of leadership skills will also be a priority.

Students considering this course must be mindful of the need to be active and fully involved in all periods, except where sickness or injury prevent full participation.

Students cannot study 12PED and 12SPR concurrently.

Field Trips: To be determined
Course Costs: Workbook \$5.00
 Field Trips: Approximately \$40.00

Assessment:	<i>Level</i>	<i>Credits</i>
Unit Standards	2	10
Achievement Standards	2	4

Next Step: NZQA Year 13 Outdoor Pursuits and Leadership
 NZQA Year 13 Sport & Recreation
 Tertiary Training
Enquiries to: Mr Cortesi / Mrs Searle

Year 13

Entry requirements: NCEA Level 2 Physical Education is an advantage but not mandatory. Final entry, however, is at the discretion of the HOD Physical Education and students who have completed Level 2 PE will be given preference.

Content/Skills: This great course covers a wide range of theoretical and practical aspects of Physical Education. Topics covered include: Practical Kayaking or Mountain Biking, Volleyball, Exercise physiology, Anatomy, Skill Learning, Biomechanics, Tournament organisation, as well as investigating various leisure activities. The emphasis of the theoretical assessments is the ability to critically analyse ideas / trends / issues and events.

For 2010 we are offering two options. The difference is, one option (PEK) offers the Kayaking module, while the other offers Mountain Biking (PEB). Please note, students cannot take both courses and the Kayaking or Mountain Biking is the only difference between the two courses.

**Option 1 (13PEK)
Kayaking**

- 3.1 & 3.2 Students will plan a physical activity programme which is relevant to them. They will then carry the programme out and evaluate how effective it was.
- 3.3 Students will plan and participate in a skill improvement programme to develop their Volleyball skills. This will involve biomechanical and skill learning analysis.
- 3.4 Students will carry out a skill learning programme in Kayaking and then be assessed against national standards for their practical performance on a 3 day river trip. Students may also have the opportunity to be assessed against National Volleyball standards. The best grade will count for qualifications.
- 3.6 Students will investigate sports participation rates in a target population within the school and take action to improve participation in physical activity of their target population.

**Option 2 (13PEB)
Mountain Biking**

- 3.1 & 3.2 Students will plan a physical activity programme which is relevant to them. They will then carry the programme out and evaluate how effective it was.
- 3.3 Students will plan and participate in a skill improvement programme to develop their Volleyball skills. This will involve biomechanical and skill learning analysis.
- 3.4 Students will carry out a skill learning programme in Mountain Biking and then be assessed against national standards for their practical performance on a 3 day Mountain Bike trip. Students may also have the opportunity to be assessed against National Volleyball standards. The best grade will count for qualifications.
- 3.6 Students will investigate sports participation rates in a target population within the school and take action to improve participation in physical activity of their target population.

This course is 100% internally assessed with Level 3 Achievement Standards

Field Trips: 3 day Kayaking trip in March or 2-day Mountain Biking trip
Course Costs: Kayak trip approximately \$400.00*
 Mountain bike trip approximately \$200.00*
 PE workbook \$24.00
 Leisure activities \$40.00

*Please note: a \$100 deposit for the trips will need to be in the first week of the school year. The balance will need to be paid in full before the trip.

Assessment:	<i>Level</i>	<i>Number of Standards</i>	<i>Credits</i>
Internal Achievement Standards	3	5	20

Next Step: University, College of Education Physical Education, other tertiary level sports science or coaching courses

Enquiries to: Mr Fahey

Physical Education - Sport and Recreation 13SPR NCEA Level 3

Year 13

Entry requirements: Preference will be given to students who completed 12PED or 12SPR. Entry is at the discretion of the HOD Physical Education. Students considering this course must be mindful of the need to be active and fully involved in all periods.

Content/Skills:
This course is designed as a Year 13 practical Physical Education course that is assessed using Unit standards and is primarily for those students who would find the academic requirements of NCEA Achievement Standards too difficult at Level 3.

The emphasis is on sports leadership, personal fitness and participation in a variety of activities. Participants will have the opportunity to develop their coaching skills by being involved in coaching / leadership roles within the school.

Students considering this course must be mindful of the need to be active and fully involved in all periods, except where sickness or injury prevent full participation.

Students cannot study 13SPR and 13PED concurrently.

Field Trips: To be determined
Course Costs: Workbook \$5.00
Field trips approximately \$40.00

Assessment:	<i>Level</i>	<i>Credits</i>
Unit Standards	3	15

Next Step: Tertiary training
Enquiries to: Mrs Searle

Physical Education - Outdoor Pursuits 13OUT^{NCEA Levels 1, 2 & 3}

Year 13

Entry requirements: An interest in Outdoor Education and a commitment to developing and improving leadership skills. Students may be required to attend some training sessions at the end of the year in their own time. Final entry however is at the discretion of the Teacher in charge.

Content/Skills:

The emphasis of this NCEA Level 1/2/3 course is to develop both personal and leadership skills over a wide range of outdoor activities. Students may have the opportunity to assist in leadership roles within the Year 10 Outdoor Education Camps at the Boyle Lodge.

The course will be 4 hours per week and will be assessed by Unit Standards, which can contribute towards NCEA Level 1, 2 and 3.

Many activities will be carried out off-site, so commitment and self motivation will be essential to those considering taking this course. It is also highly practical in nature, so students must be prepared to bring gear and involve themselves fully in all activities. **There are a number of trips away so students need to be aware of the impact this could have on their other subjects.**

Students should not choose 13PEK/ 13PEB and 13OUT.

Activities may include:

- Adventure based learning
- Kayaking
- Tramping
- Orienteering
- Risk management
- Weather Interpretation
- Indoor climbing
- First Aid
- Environmental Education

Field Trips: Kayaking - various ½ days in Term 1
 Tramps - 3 separate days throughout the year
 Snowcraft - End of Term 2 (2 days)
 ABL Field trip - Term 2 (2 days)
 Leadership on Year 10 camp (3 days) February - March

Course Costs: Estimated to be \$250.00

Assessment:	<i>Level</i>	<i>Number of Standards</i>	<i>Credits</i>
Unit Standards	2	7	18
Unit Standards	1	2	3
Unit Standards	3	3	9

Next Step: Outdoor Instructors Qualifications
 Personal Recreation
 Polytechnic Outdoor Leadership Courses

Enquiries to: Mr Fahey

Year 12

Entry requirements: Physics 1.4 or Science 1.6
 Maths 1.1 and 1.8.
 Students should also be taking Level 2 Mathematics
 Head of Department approval is needed if these requirements are not met

Content/Skills:
 Physics is the part of Science and Technology that explains why and how things behave the way they do.

Physics is a subject for those who would like to know more about the world around them or are thinking of a career in engineering, computing, electronics, medicine, physiotherapy or architecture.

Mathematics is often used as a tool in analysing experiments and solving problems so a good grounding in Mathematics is essential.

The course includes a study of:

- Optics (Light and waves).
- Mechanics (Motion, forces, energy and momentum).
- Electricity (Electrostatics and Electric Currents).
- Magnetism (including electromagnets, motors and generators).
- Nuclear Physics (atoms and nuclear reactions).

Field Trips: Term 4: Rutherford’s Den - \$15.00 [1 day]

Course Costs: \$12.00 Workbooks

Assessment:	<i>Level</i>	<i>Number of Standards</i>	<i>Credits</i>
Internal Achievement Standards	2	1	4
External Achievement Standards	2	4	17

Next Step: NCEA Level 3 Physics or NCEA Level 3 Science

Enquiries to: Mr Kersey

Physics 13PHY

NCEA Level 3

Year 13

Entry requirements: 10 Credits in NCEA External Physics Achievement Standards.
 15 Credits in NCEA Level 2 Physics, and Maths 2.1 and Maths 2.2, or Head of Department's approval.
 Students should also be studying Level 3 Maths, preferably Maths with Calculus.

Content/Skills:

Physics is a science of technology. People who study Physics can pursue careers in fields such as dentistry, medicine, audiology, radiography, optometry, meteorology, electronics, architecture and engineering. This course includes a study of Mechanics, Waves, Electromagnetism and Atomic Physics. The course has a strong focus on practical work. Scholarship (Level 4) is available in Physics.

Assessment:

	<i>Level</i>	<i>Number of Standards</i>	<i>Credits</i>
Internal Achievement Standards	3	1	5
External Achievement Standards	3	4	18

Field Trips: None
Course Costs: \$28.00 Study Guide

Next Step: Tertiary Physics or Engineering courses
Enquiries to: Mr Kersey

Pre-employment 12PEM

NCEA Levels 1 & 2

Years 12

Entry requirements: Open entry to all Year 12 students who need to complete NCEA Level 1

Content/Skills:

Pre-Employment gives students the opportunity to complete NCEA Level 1 and to work towards Level 2. It includes life-skills and job-seeking skills and prepares students for the transition from school to the workplace and further education or training.

Field Trips: Work Exploration (one day a week) to suit needs of individuals
Course Costs: None

Assessment:

	<i>Level</i>	<i>Number of Standards</i>	<i>Credits</i>
Unit Standards	1	6	17
Up to 18 credits from	2	4	14

Next Step: Year 13 Skill Pathways, Polytechnic, other Tertiary Providers, Apprenticeship or employment
Enquiries to: Mrs McGowan, HOD – Careers / Transition

Year 11

Entry requirements: An interest in land-based skills and a good attitude

Content/Skills:

Health and Safety, ATV use, fencing, stock handling, basic tractor use, rural general knowledge and recognition skills.

Students can earn credits through Industry Training Organisation (I.T.O.) units that promote the safe and correct use of machinery, equipment and handling of animals.

The credits gained contribute towards National Certificates in Agriculture (Level 2) that may be completed at the end of Year 12 or continued and completed if in farm employment or through further Agriculture Industry Training.

Field Trips: One full day trip
One short trip (3 hours)

Course Costs: \$10.00 for field trip
Overalls and boots

Assessment:

	<i>Level</i>	<i>Number of Standards</i>	<i>Credits</i>
Unit Standards	1	1	3
	2	9	22

Next Step: NCEA Level 2 Rural Studies or further Agricultural Industry Training or NCEA Level 1 Agriculture if it has not been studied previously.

Enquiries to: Mrs Roberts or Mr Toonen

Year 12

Entry requirements: Successful completion of Level 1 Rural Studies and a motivated attitude.

Students continue to build on the skills learnt at Year 11, to extend the range and experience.

Content/Skills:

First Aid Farm Safety, chainsaw use, ATV, tractors with implements, shearing and wool handling, pasture production, stock handling, calf rearing.

[Optional extra courses in advanced chainsaw, wool handling and crutching.]

Field Trips: A 2 day overnight trip to large commercial farms.

Course Costs: Steel capped boots and overalls
\$100.00 for trip costs

Assessment:

	<i>Level</i>	<i>Number of Standards</i>	<i>Credits</i>
Unit Standards	2	6	17
[plus optional units in chainsaw and crutching]	3	3	13

Next Step: Year 13 Rural Studies or Year 13 Animal Husbandry or Academy Training
Employment

Enquiries to: Mr Toonen, Mr Fleck or Ms Roberts

Rural Studies 12RUR Studies [Introductory Skills] NCEA/NQF Level 2

Year 12

Entry requirements: This course is designed for students who have not taken Year 11 Rural Studies.

Students should have a motivated attitude and a background in other land-based subjects is preferred. This is an opportunity to gain practical skills and gain Industry Training Organisation (ITO) units that promote the safe and correct techniques when working with machinery, equipment and animals.

Content/Skills:

First Aid, Farm Safety, ATV driving, tractor driving, stock handling, pasture production, fencing skills, calf rearing. [There are optional extra courses in wool handling and chainsaw.]

Field Trips: A 2 day overnight trip to farms and rural industries

Course Costs: Steel capped boots and overalls
\$100.00 for trip costs

Assessment:	<i>Level</i>	<i>Number of Standards</i>	<i>Credits</i>
Unit Standards	2	11	24
	3	1	4

Next Step: Year 13 Rural Studies
Year 13 Animal Husbandry
Employment or further Agricultural Industry Training

Enquiries to: Mrs Roberts or Mr Toonen

Year 13

Entry requirements: Students should have successfully completed either of the Year 12 Rural Studies courses and have a committed interest in working in Land-Based industries. Reasonable physical fitness is needed.

Introduction:

This course caters for students who have successfully completed rural studies and agriculture courses, but are not yet ready for full-time work and want to continue school-based learning. They will have the opportunity to complete modules of the National Certificate in Agriculture Level 2.

Students should have developed some independent study skills and will need to undertake at least 10 days work experience on commercial farms. This can be achieved through the GATEWAY Programme, or during weekends and holidays.

Content/Skills:

Knowledge related to pasture production, soils and calculations.

Skills can be chosen from Sheep, Dairy or Beef Cattle strands.

Students will be encouraged to attend industry field days.

The credits gained will contribute towards a National Certificate in Agriculture (Level 3) which can be completed through further Industry Training.

Field Trips: Industry visits plus a 3 day trip to a High Country Station
Course Costs: Steel capped boots and overalls are required
 Approximately \$40.00

Assessment:	<i>Level</i>	<i>Number of Standards</i>	<i>Credits</i>
Unit Standards	2	2	7
	3	4	23

Next Step: Employment or further Agricultural Industry Training
Enquiries to: Mrs Roberts or Mr Toonen

Entry requirements: Compulsory

Content/Skills:

The Year 9 course includes topics such as Orientation to Science, Working Safely in the Laboratory, Forces, Energy, Astronomy, Introduction to Chemistry, Separating Mixtures, Circulation in Plants and Animals.

Students will be encouraged to work towards Science Badges during the year.

Field Trips: None

Course Costs: \$15.00 Science Workbooks (5)
\$6.00 Cosmetics (take home activity)
\$5.00 for each Science Badge and Certificate (optional)

Next Step: Year 10 Science
Year 10 Science Extension (by invitation)

Enquiries to: Mr Gilbert or Mrs McCracken

Entry requirements: Compulsory

Content/Skills:

The Year 10 course includes topics such as Working Safely in the Laboratory, Geology of Canterbury and New Zealand, Light and Electricity, Chemistry of Acids and Bases, Plant and Animal Survival and Succession.

Students will be encouraged to work towards Science Badges during the year.

Field Trips: None

Course Costs: \$15.00 Science Workbooks (5)
\$6.00 Cosmetics (take home activity)
\$5.00 for each Science Badge and Certificate (optional)

Next Step: Year 11 Science – NCEA Level 1

Enquiries to: Mr Gilbert or Mrs McCracken

Entry requirements: Excellent performance in Year 9 Science

Content/Skills:

The course you are about to undertake, has the Year 10 curriculum material as it’s base and in addition will include material to support relevant Achievement Standards from the NZQA Level 1 framework. The National Certificate of Educational Achievement (NCEA) offers assessment in level one Biology, Chemistry, Physics and Science. The aim of our Year 10 Extension course is to challenge our top performers, giving them the opportunity to have to ‘learn how to learn’ in order to meet the standard at Level 1 NCEA. Often our top academic students rely heavily on their innate ability and as they move through to the more difficult levels of their education they come unstuck. It is our hope that by challenging them early they will develop useful skills to assist them later in their academic endeavour.

These students will be encouraged to achieve their Science credits at the level of Excellence.

Topics: Digestive & Skeleton-muscular Systems, The Properties & Reactions of Metals, Acids and Bases, Understanding Wave & Light Behaviour, Carry out Research, Carry out a Practical Physics Investigation.

Assessment:	<i>Level</i>	<i>Number of Standards</i>	<i>Credits</i>
Internal Achievement Standards	1	2	6
External Achievement Standards	1	3	13
Internal Unit Standards	1	0	0

Field Trips: None

Course Costs: \$15.00 Science Workbooks (5)
 \$6.00 Cosmetics (take home activity)
 \$5.00 for each Science Badge and Certificate (optional)

Next Step: Year 11 Science – NCEA Level 1

Enquiries to: Dr Dawson or Mrs McCracken

Year 11

Entry requirements: Year 10 Science

Content/Skills:

There are 3 levels operating at Year 11, designed to meet the needs of a range of student ability. Students are placed in a particular level based on their performances in Year 10 Science and in consultation with teaching staff.

11 Science A

These classes will study NCEA Level 1 Biology, Chemistry and Physics. It is set up for students achieving well in Science and wishing to continue with Science at Level 2 and beyond. These Standards will give students a good foundation for tertiary study in Science. Examples are Engineering, Health Science and Forensics. This course is assessed by one internal U.S and four external A.S.

These students will be encouraged to achieve their Science credits at the level of Excellence.

Topics: Atomic Structure, Chemical Reactions, Circulatory, respiratory & excretory systems, Mechanics and Electricity.

Assessment:	<i>Level</i>	<i>Number of Standards</i>	<i>Credits</i>
Internal Achievement Standards	1	0	0
External Achievement Standards	1	4	18
Internal Unit Standards	1	1	3

11 Science B

These classes will study NCEA Level 1 Biology and General Science A.S. in Chemistry, Physics and Astronomy. It is set up for students interested in Science and wishing to keep their options open so they can continue with Science at Level 2 and beyond. The course is assessed by one internal and five external A.S. Twenty one credits are available.

These students will be encouraged to achieve their Science credits at the level of Excellence

Topics: Genetics, Micro-organisms, General Chemistry, Physics, Astronomy and Carry out a practical investigation.

Assessment:	<i>Level</i>	<i>Number of Standards</i>	<i>Credits</i>
Internal Achievement Standards	1	1	4
External Achievement Standards	1	5	17
Internal Unit Standards	1	0	0

11 Science C

This course allows students to continue with a Science course that is both interesting and relevant. It includes a range of hands-on topics and is internally assessed by Unit Standards at the end of each topic. It is set up so students can achieve credits in Science that can go towards NCEA. **The students will be encouraged to work towards passing all of the available Standards.**

Topics: Forensics, Body Maintenance, Chemical Reactions, Weather, Biotechnology, Earth & Space, Sports Science and Scientific Skills.

Assessment:	<i>Level</i>	<i>Number of Standards</i>	<i>Credits</i>
Internal Achievement Standards	1	0	0
External Achievement Standards	1	0	0
Internal Unit Standards	1	10	20

Field Trips: None
Course Costs: 11SciA - average cost \$7.00 for each Science mini workbook
 11SciB - \$18.00 for a general Science workbook
 11SciC - \$13.00 total for three workbooks

Next Step: NCEA Level 2 Biology, Chemistry, Physics, Science
Enquiries to: Mr Gilbert, Mrs McCracken or Mr Kersey

Science 12SCI	NCEA Level 2
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Year 12

Entry requirements: At least 12 credits in NCEA Level 1 Biology, Chemistry, Physics or Science.
 This must include A.S.1.1 Investigation or Consultation with the Head of Department.

Content/Skills:
 Includes New Zealand's flora and fauna, using a microscope to investigate biological material, fertilisers and society, rockets, satellites and space probes, reflection and refraction of light and the effects of salinity on seed germination.

This is a fully internally assessed course.

Field Trips: One
Course Costs: \$40.00

Assessment:	<i>Level</i>	<i>Number of Standards</i>	<i>Credits</i>
Internal Unit Standards	2	4-5	12-16
Internal Achievement Standards	2	1	4

Next Step: NCEA Science Level 3 or NCEA Level 2 Biology, Chemistry or Physics
Enquiries to: Mrs McCracken or Mrs Reed

Science 13SCI

NCEA Level 3

Year 13

Entry requirements: 12 NCEA credits from any Year 12 science course (Biology, Chemistry, Physics or Science) or with consultation with the Head of Department.

Contents Skills:

Includes genetics, electromagnetic spectrum, radioactivity, sound and ultrasound, esters, fats and oils, soaps and detergents, geological processes and the study of an astronomical event or discovery since 1995. Please be aware that this is a full academic course.

There is an internal assessment component, which includes extended practical investigation 3.1 (4 credits), and astronomy 3.7 (2 credits). There is a three-hour external written examination at the end of the year for the external credits (15 credits). Scholarship (Level 4) is available in Science. Please discuss this with your teacher or Head of Department at the earliest opportunity.

Field Trips: None

Course Costs: None

Assessment:

	<i>Level</i>	<i>Number of Standards</i>	<i>Credits</i>
Internal Achievement Standards	3	2	6
External Achievement Standards	3	4	15

Next Step: Polytechnic course or University

Enquiries to: Mrs McCracken or Mrs Reed

Sculpture 13SCU

NCEA Level 3

Year 13

Entry requirements: NCEA Level 2 Art or consultation with HOD.

Content/Skills:

This programme is assignment based at the beginning of the year to establish an understanding of basic sculptural concepts. Students will then move into an individual programme of study using contemporary artist models, resolving ideas through drawing and making to produce work for NCEA submission. External assessment is at the end of the year by folio submission. Scholarship entry available.

Students can study a maximum of two Level 3 Art subjects in the one year.

Field Trips: Up to three days for gallery / exhibition visits.

Course Costs: \$75.00 for photographic documentation and basic materials

Students can expect to pay extra depending on personal requirements, however, they are encouraged where possible to use recycled materials.

Assessment:

	<i>Level</i>	<i>Number of Standards</i>	<i>Credits</i>
Internal Achievement Standards	3	1	6
External Achievement Standards	3	1	14

Next Step: Tertiary Course

Enquiries to: Mrs Robertson

Senior Literacy Criticism 13LIT

NCEA Level 3

Year 13

Entry requirements: On the recommendation of the Head of Department

Content/Skills:

Senior Literacy Criticism is a full year course that prepares students for NCEA Level 3 and scholarship in English. The course is aimed at academic students who are enthusiastic readers. Students will read and analyse a wide range of texts and will develop skills in critical thinking, communication and clarity of expression.

Students cannot study 13LIT and 13ENG in the same year.

Assessment: Level 3 Achievement Standards and scholarship.

Field Trips: Film or theatre if suitable.

Course Costs: Approximately \$80.00 for text books and Workbooks.

Assessment:	<i>Level</i>	<i>Number of Standards</i>	<i>Credits</i>
Internal Achievement Standards	3	2	8
External Achievement Standards	3	4	12

Next Step: University Studies

Enquiries to: Mr Crawford

Skill Pathways 13SKL

NCEA Levels 1 & 2

Year 13

Entry requirements: Open to all Year 13 students who need to complete NCEA Level 2 and/or Level 1

Content/Skills:

Skill Pathways prepares students for the transition from school to tertiary training and / or employment after completing their NCEA Level 1 and Level 2.

Work Exploration, either one day per week or in week blocks is available.

Field Trips: One day visit to Careers Expo
One day visit to Tertiary Training Providers
Work Exploration to suit the needs of individual students

Course Costs: \$10.00 for each Field Trip

Assessment:	<i>Level</i>	<i>Number of Standards</i>	<i>Credits</i>
Unit Standards	1	5	12
Up to 18 credits from	2	5	19

Next Step: Further training or employment

Enquiries to: Mrs McGowan, HOD – Careers / Transition

Entry requirements: Compulsory

Content/Skills:

The intention is that this course will:

- enable students to develop understandings of people, their actions and their activities.
- enable students to contribute to a changing society as confident, informed and responsible participants.

It is expected that students will:

- develop an understanding of the unique nature of New Zealand's bicultural heritage and multicultural society
- examine how other cultures, past and present, operate
- explore their own values and acknowledge the rights of others to hold different values
- develop skills relevant to social studies
- develop an awareness of the ways in which they can contribute to the wider community.

Field Trips: A trip or trips may well be organised by the teacher with costs yet to be determined.

Course Costs: None

Next Step: Year 10 Social Studies

Enquiries to: Mr Henson

Entry requirements: Compulsory

Content/Skills:

The intention is that this two year course will:

- enable students to develop understandings of people, their actions and their activities.
- enable students to contribute to a changing society as confident, informed and responsible participants

It is expected that students will:

- develop understanding of the unique nature of New Zealand's bicultural heritage and multicultural society
- examine how other cultures, past and present, operate
- explore their own values and acknowledge the rights of others to hold different values
- develop skills relevant to social studies
- develop an awareness of the ways in which they can contribute to the wider community

Field Trips: A trip or trips may well be organised by the teacher with costs yet to be determined

Course Costs: None

Next Step: NCEA Level 1 Social Sciences e.g. Geography, History, Social Studies

Enquiries to: Mr Henson

Selected students will be invited to complete a course covering literacy and numeracy alongside ASDAN. They would complete NCEA Level 1 over two years with Learning Support Guidance.

Years 11/12

Entry requirements:
 Bronze – By invitation
 Silver – By invitation
 Gold – Achieved Silver

Content/Skills:

Students put together a Portfolio of evidence to highlight that they have achieved specific challenges. There is a wide range of possible challenges that students can choose. Likewise, there is a wide range of acceptable potential evidence (for example: written statements, photographs, video, audio tapes, Power Point presentations, etc.).

As well as providing evidence of challenges, students must show that they have demonstrated the following essential skills:

Self Management and Competitive Skills

- Students must show that they can set small step targets with realistic completion dates and meet their targets within the timeframe.

Work and Study Skills

- Students must show that they can work in a one to one, and a group situation. They must show they can work co-operatively towards a team goal.

Problem Solving

- Students need to show that they can problem solve.

Field Trips: Costs vary depending on the choice of challenge

Course Cost: \$25.00 Workbook

	<i>Level 1 – Silver</i>	<i>Level 2 – Gold</i>
Assessment:	ASDAN Silver Certificate Up to 20 NCEA credits	ASDAN Gold Certificate Up to 20 NCEA credits

Next Step: Platinum – Level 3

Enquiries to: Ms W Brown or Mrs M Neate

Te Reo Maori 9MAO

Year 9

Entry requirements: None

Content/Skills:

This is an introduction to Maori Language and Culture. By the end of the term students will be able to introduce themselves, welcome visitors and have the basics for further study. Students wishing to take Maori in Year 10 must take Maori 2 as an option.

Field Trips: Marae visits

Trip Costs: Approximately \$20.00

Next Step: Year 10 Maori

Enquiries to: Matua Kaharoa Manihera or Miss Wiseman

Te Reo Maori 10MAO

Year 10

Entry requirements: Two terms of Year 9 Te Reo Maori or at teacher's discretion

Content/Skills:

This is a full year course, which continues to expand on listening, reading, speaking and writing skills with cultural content underlying all topics.

Field Trips: Marae visits

Trip Costs: Approximately \$20.00

Next Step: NCEA Maori Level 1

Enquiries to: Matua Kaharoa Manihera or Miss Wiseman

Te Reo Maori for Beginners 11,12,13BMA

Year 11, 12, 13

Entry requirements: None

Content/Skills:

This course is for students who have not studied a language and who wish to add to their skills prior to employment, or further study requiring language skills. This course will give students basic skills in Te Reo me ona Tikanga. (The language and customs).

Field Trips: Marae visits

Trip Costs: Approximately \$20.00

Next Step: NCEA Level 1

Enquiries to: Matua Kaharoa Manihera

Te Reo Maori 11MAO

NCEA Level 1

Year 11

Entry requirements: Year 10 Te Reo Maori.**Content/Skills:**

This course extends the four basic skills of language listening, speaking, reading and writing. The cultural content will concentrate on the iwi (tribe), rohe (district), Marae, hui (gathering) and formal language associated with these. Students are examined in both written and oral Maori for each component.

Field Trips: Marae visits
Trip Costs: Approximately \$20.00
Costs: \$45.00 Te Aka Dictionary

Assessment:	<i>Level</i>	<i>Number of Standards</i>	<i>Credits</i>
Internal Achievement Standards	1	2	12
External Achievement Standards	1	1	6

Next Step: NCEA Level 2
Enquiries to: Matua Kaharoa Manihera

Te Reo Maori 12MAO

NCEA Level 2

Year 12

Entry requirements: At least 12 credits at NCEA Level 1 Te Reo Maori or at the discretion of the Head of Department.**Content/Skills:**

A course, which extends the work in Year 11, will be offered. Students will work on broadening their skills in reading, listening, writing and speaking.

Field Trips: Marae and Educational Institution visits
Trip Costs: Approximately \$10.00 - \$15.00 per trip
Costs: \$45.00 Te Aka Dictionary (if not already have one)

Assessment:	<i>Level</i>	<i>Number of Standards</i>	<i>Credits</i>
Internal Achievement Standards	2	2	12
External Achievement Standards	2	1	6

Next Step: NCEA Level 3 Maori
Enquiries to: Matua Kaharoa Manihera

Year 13

Entry requirements: At least 12 credits at NCEA Level 2 Te Reo Maori or at the discretion of the Head of Department.

Content/Skills:
A course will be offered if there are sufficient students. If not, correspondence is available.

Field Trips: Marae and Educational Institution visits
Trip Costs: Approximately \$10.00 - \$15.00 per trip
Costs: \$45.00 Te Aka Dictionary (if not already have one)

Assessment:	<i>Level</i>	<i>Number of Standards</i>	<i>Credits</i>
Internal Achievement Standards	3	2	12
External Achievement Standards	3	2	12

Next Step: University or Polytechnic
Enquiries to: Matua Kaharoa Manihera

Entry Requirements: Year 9CIS

Students will be provided with experiences to extend their knowledge and skills through exposure to a variety of software applications. They will undertake creative projects based on the Technology Curriculum developing their project management skills, problem solving, team work and communication skills.

Content/Skills:
Includes online learning, introduction to programming, knowledge of a range of software applications with an emphasis on multimedia, image capture and manipulation, efficient and safe use of a computer, understanding of how computer systems (software and hardware) work, careful and sensible use of information sources, integrating and using data in multiple applications, design principles, manage and protect data, computer assisted layout and design.

Field Trips: None
Course Costs: \$7.00 consumables

Next Step: NCEA Level 1 Computer Information Systems
Enquiries to: Mrs Kininmonth

Entry Requirements: Open to all students who would like to explore the world of electronics in a clear and structured course, conducted in a safe and modern environment

Content/Skills:

Products developed in the past include:

- Personal alarms
- Christmas decorations
- Electronic 'bling'
- Metal detectors
- Timers

Students are issued a pack containing enough electronic components to develop and make a product that is both useful and personal.

The first part of the course involves learning how different electronic parts function and interact with each other to create an effect (eg flashing Christmas lights).

The remainder of the course is structured around creating a viable electronic product that is the result of the student's own research and design using the computer suite in H4 and the adjoining production room. This part of the course is assessed under Achievement Standard 1.2 'Develop a Brief from a Given Issue' and is worth 6 credits on the NZQA framework.

Students are expected to keep neat and tidy notebooks of all class work, research, and design solutions.

Field Trips: None

Costs: \$30.00 for kitset packs

Next Step: NCEA Level 1 Generic Technology

Enquiries to: Mr Keenan

Entry Requirements: Open to all girls who would like to explore the world of electronics in a clear and structured course, conducted in a safe and modern environment.

Content/Skills:

Products developed in the past include:

- Electronic ‘bling’
- Personal alarms
- Christmas decorations
- Metal detectors
- Timers

Students are issued a pack containing enough electronic components to develop and make a product that is both useful and personal.

The first part of the course involves learning how different electronic parts function and interact with each other to create an effect (eg flashing Christmas lights).

The remainder of the course is structured around creating a viable electronic product that is the result of the student’s own research and design using the computer suite in H4 and the adjoining production room.

This part of the course is assessed under Achievement Standard 1.2 ‘Develop a Brief from a Given Issue’ and is worth 6 credits on the NZQA framework.

Students are expected to keep neat and tidy notebooks of all class work, research, and design solutions.

Field Trips: None
Costs: \$30.00 for kitset packs
Next Step: NCEA Level 1 Generic Technology
Enquiries to: Mr Keenan

Year 10

Entry requirements: None (open entry)

Content/Skills:

In this two term course students will set up and run their own business. By studying the ‘Technological Process’, students will be required to Plan for their business, perform market research and produce and sell a product of their own development.

Field Trips: None
Course Costs: Business set up costs
Next Step: NCEA Level 1 Technology / or a NCEA Level 1 Commerce subject
Enquiries to: Ms McDonald

Context: Food Technology

Entry requirements: None.

Content/Skills:

This is an opportunity for students to experience what it means to be a food technologist. Students will investigate, design and trial food products they have created themselves.

One of the areas that students will investigate is frozen desserts and the other is the development of a meal plus promotional materials following the 'Watties' 'Food in a Minute' format.

Field Trips: None

Course Costs: A subject fee of \$15.00 to \$20.00 is charged for consumables; the staple non-perishable ingredients supplied by the department. Students will supply other ingredients needed for practical work.

Workbook \$7.00

Recipe Book \$3.00

Next Step: NCEA Level 1 Technology

Enquiries to: Ms Anderson, Ms Davidson, Mrs Howat

Technology - Food	11FOOD	NCEA Level 1
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Context: Food Technology

Entry requirements: None.

Content/Skills:

NEW FOR 2010!

Do you like to experiment in the kitchen? Willing to take risks, are creative and have ideas? Well, may be 'Food Technology' could be the course for you.

Students will use the design approach to plan, develop, produce and evaluate high quality food products. You are required to produce detailed investigative and planning work prior and during the design process. You will complete three or two major investigations throughout the year.

Field Trips: Students may visit food manufacturers for one day trip – approximate cost \$15.00 to \$20.00.

Course Costs: A subject fee of \$25.00 to \$30.00 will be charged for non-perishable ingredients supplied by the Department. Students will supply other ingredients needed for practical work.
Workbooks \$10.00
Recipe Book \$3.00

Assessment:

	<i>Level</i>	<i>Number of Standards</i>	<i>Credits</i>
Internal Achievement Standards	1	3	16
External Achievement Standards	1	1	4

Next Step: NCEA Level 2 / Food Technology / Technology

Enquiries to: Ms Anderson, Ms Davidson, Mrs Buckley

Technology - Hard Materials	10MTL	Year 10
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Entry Requirements: None

Content/Skills:

Students research and experiment with material types to make informed choices as to why materials are selected. With reference to a design brief, materials will be manipulated using techniques and processes to shape, form or fabricate the desired product. The final outcome will be evaluated for fitness for purpose.

Field Trips: None

Costs: \$16.00 for materials

Next Step: NCEA Level 1 Technology and / or Woodwork or Mechanical Engineering

Enquiries to: Mr Hawke, Mr Fawcett, Mr Bartlett

Entry Requirements: None

Content/Skills:

This course builds on four skills of craft, design, manufacturing and management. Work independently or buddy-up with your friends to make several toys. Build on this success by expanding your production line to meet consumer demands. Topics cover quality control, production systems, market research, purchasing stock, materials, tools and equipment.

Field Trips: None

Costs: \$12.00 for materials

Next Step: NCEA Level 1 Technology and / or Woodwork or Mechanical Engineering Technology

Enquiries to: Mr Hawke

Technology - Soft Materials Textiles 10TEX

Entry Requirements: None

Content/Skills:

This is a three-hour per week option which runs for half a year. This is a practical based course. The programme includes: textile studies, machinery operation, and the construction of simple textile items. Students will correctly use equipment and machinery to construct textile items with a variety of soft materials.

Students will use the design brief approach to plan to make quality fashion garments or household items. Using a design brief approach to conceptualise, investigate and plan projects, they will gain research, freehand drawing and planning skills. The course proceeds from simple projects to more advanced ones as skill develops.

This course assists students to prepare for courses in Technology Levels 1, 2 and 3.

Once completing this course students will:

- Manage and use available resources
- Develop creativity
- Solve problems
- Plan and manage practical projects
- Use a range of practical skills
- Organise and present information
- Use practical tools efficiently and safely
- Carry projects through to completion

Field Trips: Second hand clothing store [half day] \$8.00

Course Costs: \$5.00 and students will provide material to design and construct at least two articles. Parents / caregivers can anticipate costs of approximately \$30.00 - \$50.00.

Subject Fees: Approximately \$3.00 to \$5.00 is charged for consumable materials that are supplied [ie textile paint, wax, dye, overlocker thread, needles, chalk, etc.]

Next Step: NCEA Level 1 Technology (Soft Materials)

Enquiries: Ms Anderson or Mrs Buckley

Year 11

Entry Requirements: None.

Content/Skills:

This is a practical based course which is internally assessed. Students will use the design approach to plan and produce high quality textile items. Students will investigate the properties of, and uses for, a wide range of textiles. They are required to produce detailed investigative and planning work prior to the production of textile items. They will further develop their ability to use patterns in the construction of fashionable, quality garments or textile items. The students will gain pleasure from producing creative, individual styled work.

Studies at this level lead on to further training in Year 12 and 13 courses or tertiary courses in Fashion Design or Interior Design.

Once completing this course student will:

- Use the design approach to gather information and plan to produce textile items
- Develop drawing and presentation skills
- Select textiles and describe applications
- Use machinery and equipment appropriately
- Produce quality textile items using proper construction methods

Field Trips: None

Course Costs: Material costs of projects. Students are to supply their own material, patterns, and notions for the three major projects. Parents / caregivers can anticipate the total cost of materials to be up to \$150.00 for the year. Workbooks \$10.00

Subject Fees: Approximately \$3.00 to \$5.00 is charged for consumable materials that are supplied [ie textile paint, wax, dye, overlocker thread, needles, chalk, etc.]

Assessment:	<i>Level</i>	<i>Number of Standards</i>	<i>Credits</i>
Internal Achievement Standards	1	2	10
Unit Standards	1	3	12

Next Step: Technology NCEA Level 2

Enquiries to: Mrs Buckley or Ms Anderson

Year 12

Context: Materials (textiles) Production and processes

Entry Requirements: Students will need to have attained 12 Credits at Level 1 Technology Achievement Standards or after consultation with the Head of Department.

Content/Skills:

This is a practical based course. Students entering this course will further develop their design and planning skills through using the design brief approach. They will plan and produce high quality textile items. Students will operate sewing equipment, follow pattern instructions and complete garments or textile items using appropriate sewing techniques. Related studies in textile selection/care and advanced construction techniques will be taught and assessed.

Once completing this course student will:

- Discover through independent research, issues relating to clothing systems and use the design process to gather information and plan to produce textile items
- Research information and present possible solutions for a brief
- Present design ideas using freehand drawing, colour pencils, pens, pastels and fabric samples
- Explore and test ideas to solve design problems
- Evaluate solutions and suggest suitable modifications
- Construct textile items using suitable methods to give quality items

Field Trips: None

Course Costs: Material costs of projects. Students are to supply their own material, patterns and notions for the three major projects. Parents / caregivers can anticipate the total cost of materials to be up to \$150.00 for the year.

Subject Fees: Approximately \$3.00 to \$5.00 is charged for consumable materials that are supplied [ie textile paint, wax, dye, overlocker thread, needles, chalk, etc.]

Assessment:	<i>Level</i>	<i>Number of Standards</i>	<i>Credits</i>
Unit Standards	2	3	13
Internal Achievement Standards	2	1	6

Next Step: 13 Garment Construction

Enquiries to: Mrs Buckley or Ms Anderson

Entry Requirements: Successful completion of any Year 9 technology programme

Content/Skills:

Students will identify and examine world famous structures to gain a basic understanding of the forces that act on a structure. Similarly with mechanisms some basic set-ups, such as pulleys and gears, are identified and examined to gain an insight into their function. Exploration and trial and error are methods of discovery learning used in this course. In the second half of the semester, students are expected to apply their knowledge in a practical manner to develop a Technological solution in the form of a negotiated product between a real client and themselves.

Those students who are willing and show potential will be offered the opportunity to undertake a Level One Achievement Standard.

Field Trips: None

Costs: \$12.00 for basic materials plus cost of extra material as required by client

Next Step: NCEA Level One Technology

Enquiries to: Mr Keenan

Year 11

Entry Requirements: This course is the first step leading to NCEA Level 3 Technology and Scholarship. As such, any senior student (girl or boy) who has an interest in designing their own programme of learning, resulting in their own product or outcome, should take this course.

Content/Skills: Products developed in the past range from coffee tables, through to water features and garden ornaments, to personalised jewellery and a home security system.

Students are expected to conduct their own research, with guidance, into all areas that will affect the outcome. This may include material choice, method of construction, cost and any relevant legislation such as copyright or health and safety. Computer generated work using Word, Excel, Sketch-Up or other relevant software is an expectation.

Why should you choose Technology?

- **YOU** design and develop the outcome through consultation with a real client (usually a family member).
- **YOU** are involved in the **decision-making** process as to what that outcome will be.
- **YOU** are awarded the **appropriate** assessment grade (excellence, merit or achieved) that reflects the level and **quality** of your work.

The course consists of two assignments spread across the year, with the main context being indoor / outdoor living.

There are three internal and one external **Achievement Standards** to be gained, with the option of one extra external **Achievement Standard** for those students who wish to extend themselves.

Skills to complete the project are identified by the student and taught as required.

Field Trips: None planned, although guest speakers may address the students
Course Costs: Subject to school materials used by students

Assessment:	<i>Level</i>	<i>Number of Standards</i>	<i>Credits</i>
Internal Achievement Standards	1	3	16
External Achievement Standards	1	1	4
Optional External Achievement Standards	1	1	4

Next Step: Technology NCEA Level 2
Enquiries to: Mr Keenan

Year 12

This course is designed for students who have achieved a minimum of 12 credits in Level One Technology, Graphics, ICT or Physical Sciences (or subject to approval from Mr Keenan).

The Level Two NCEA Generic Technology course will consist of standards from the Technology matrix.

Students will have the opportunity to advance their technological skills and knowledge in any of the following technological areas such as: Materials processing, Electronics and Control, Structures and Mechanisms or ICT.

Students will be required to work with a stakeholder (of their choice) to develop a solution to an identified issue.

The course has both a theory and practical component and will prepare students for NCEA Level 3 Scholarship.

Field Trips:

None

Course Costs:

\$10.00 paper / consumables.

Other costs may be dependent on the student's choice of solution.

Assessment:

	<i>Level</i>	<i>Number of Standards</i>	<i>Credits</i>
Internal Achievement Standards	2	2	10
External Achievement Standards	2	2	8
<i>Other unit standards may be assessed depending on the student's choice of solution.</i>			

Enquiries to:

Mr Keenan

Year 13

This course is designed for students who have achieved a minimum of 12 credits in Level Two Generic Technology (or subject to approval from Mr Keenan).

The Level Three NCEA Generic Technology course will consist of standards from the Technology matrix.

Students will work with a Client (of their choice) to develop a solution to an issue that they have identified, investigated and determined as requiring a solution to be developed.

Students who demonstrate aptitude in this subject will also have the opportunity to enter for Scholarship. This course will provide students with a deeper understanding of technology practice to enable them to develop the required skills for tertiary study in this area.

Field Trips: None

Course Costs: \$10.00 paper / consumables.

Other costs may be dependent on the student's choice of solution.

Assessment:

	<i>Level</i>	<i>Number of Standards</i>	<i>Credits</i>
Internal Achievement Standards	3	2	12
External Achievement Standards	3	2	8
<i>Other unit standards may be assessed depending on the student's choice of solution</i>			

Enquiries to: Mr Keenan

Year 12/13 (First year)

Entry Requirements: This course may be undertaken by Year 12 or 13 students. It is a completely Unit Standard course with all credits going towards the NCEA qualification and National Certificate in Travel and Tourism Level 2.

This is a vocational course aimed at introducing the Tourism Industry to secondary school students. The Year 12 course focuses on the Level 2 Unit Standards within the National Certificate.

For Year 12 students aiming towards the National Certificate in Tourism and Travel Level 2, this will be a two year course. These students will need to ensure that they gain up to 8 credits in other Unit Standard courses over the next two years.

Content/Skills:

This course includes a number of unit standards/modules related to skills relevant to the tourism industry and tourism in general.

Topics include knowledge of global and New Zealand travel destinations, communication with people of other cultures, basic computer applications, service sector skills, and the putting together itineraries for those on the move in tourism.

The course would be useful for students who wish to undertake further training at private training providers in tourism. Those who want to gain employment in the tourism industry are advised to take a course such as this, along with anyone with a general interest in travel, recreation and leisure studies.

Field Trips: Two one-day trips

Course Costs: Approximately \$120.00 – to cover the write-on texts from the ATTTO, and field work costs.

Assessment:	<i>Level</i>	<i>Number of Standards</i>	<i>Credits</i>
Unit Standards	2	5 or 6	24+

Next Step: Complete National Certificate in Tourism and Travel (Level 2) / Tertiary studies or employment

Enquiries to: Mr Moyle / Mr Winson

Year 13 (2nd year)

Entry Requirements: 18 credits Level 2 tourism; or at the discretion of the HOD Tourism. Students do NOT need to have studied Tourism before but must be prepared to complete extra work as required on background skills.

Content/Skills:

This course includes three major Unit Standards/modules totaling 24 credits, based around skills relevant to work in the tourism industry.

Students can gain credits towards their NCEA qualifications AND towards a national certificate. Tourism credits can be used towards University Entrance.

There will be TWO different categories of student:

- a) Those continuing with tourism from Year 12 and completing the National Certificate in Tourism, Level 2, as well as gaining credits towards NCEA.
- b) Students wishing to pick up tourism for the first time at Year 13 gaining NCEA credits.

Topics include an in-depth focus on Australian (10 credits) and New Zealand (8 credits) as travel destinations, with an additional specific study on one North Island and one South Island region (6 credits).

There is a strong requirement of students to undertake mature individual study to complete this course. As the tourism industry requires accurate, up to date information, considerable use is made of the internet, for information on airline and attraction times, prices, and details.

The course will be useful for students:

- a) who wish to undertake further training at private training providers in tourism.
- b) who want to gain employment in the tourism industry are advised to take a course such as this.
- c) who have a general interest in travel, recreation and leisure studies.

Field Trips: Two one-day trips or one two day overnight trip

Course Costs: Approximately \$120.00 – to cover the write-on texts from the ATTTO, and field work costs.

Assessment:

	<i>Level</i>	<i>Number of Standards</i>	<i>Credits</i>
Unit Standards	3	3	24

Next Step: Tertiary studies or employment

Enquiries to: Mr Moyle / Mr Winson

Trade Skills (Woodwork) 11WWK

NCEA/NQF Level 1

Year 11

Entry Requirements: A keen interest and commitment to produce written and practical work of the highest standard.

Content/Skills:

This trade skills course has a practical emphasis. A number of projects will be made using a range of tools, materials, processes and finishing techniques. Maintenance, care of equipment, environmental issues and safe working practices are given special attention.

Field Trips: None

Course Costs: \$35 for materials

Assessment:	<i>Level</i>	<i>Number of Standards</i>	<i>Credits</i>
Unit Standards	1	4	15
	2	1	4

Next Step: NQF Furniture and / or NCEA Technology

Enquiries to: Mr Hawke

Transition 11TRS

NCEA Level 1

Year 11

Entry requirements: Open entry for those who will need help with literacy and numeracy

Content/Skills:

This course helps prepare students for the New Zealand workplace by focusing on the work and life-skills needed to become a valued employee. Work Exploration is available if appropriate.

Field Trips: Work Exploration placements either one day per week or to suit the needs of individual students.

Course Costs: None

Assessment:	<i>Level</i>	<i>Number of Standards</i>	<i>Credits</i>
Unit Standards	1	8	18

Next Step: Year 12 Pre-employment, Youth Training or Employment

Enquiries to: Mrs McGowan, HOD – Careers / Transition