



St. Oran's College

Senior Course Handbook

2007

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September 2007

Dear Students and Parents,

This handbook contains information to assist students to make informed decisions when choosing subjects in the Senior School.

St. Oran's College has a philosophy of providing a well balanced curriculum with emphasis on high academic achievement. Students are therefore encouraged to choose a broad selection of subjects rather than specialize in one particular skill area. As part of the special character of St. Oran's College students also participate in Christian Studies at all levels.

When choosing subjects, think about those in which you do well, those which you enjoy and those which may be required for possible future studies.

All subjects contained in this handbook are possible options for 2007, but it must be clearly understood that if there are insufficient students to make a viable class, that subject may not be timetabled or may have reduced teacher contact hours.

All students have been advised about keeping their options open and about planning a career path that gives a priority to activities they like doing. It is important to also keep in mind the changing nature of today's job market and to endeavour to make the most of your time at St Oran's College. Remember to always strive to be the best you can be.

All the best to you as you think about your future.

Yours sincerely

Dawn Ackroyd
Principal

Choosing A Course

There is a formula that may help you:

$$\text{Interest} + \text{Ability} + \text{Career} = \text{Subject Choice}$$

Interest

What subjects do you enjoy?

Are you choosing the subject because your friends chose it?

If you are interested in the subject, you are more likely to do well in it.

Ability

How good are you at a subject?

Assessment results will help you to determine your ability

Discuss your ability level with your teacher

Career Choice

Do you know what course you want to do when you leave school?

If you do – find out the subjects that are essential to this course.

If you don't – keep your options open by not specializing too soon so that your choices left as wide as possible.

Subject choice

The compulsory subjects ensure you gain the basic skills necessary in the work force.

For the options, investigate carefully all the subjects available.

Make your final choice keeping in mind the formula above.

If you need help with your choices, please ask:

- Your tutor teacher/Dean
- Subject teachers/HOF
- Your parents/Trusted Adult
- Check out the Kiwi Careers website on the Internet
- Your Careers Advisor

Year 11 Courses

All students must study six subjects

Courses in Year 11 are divided into two sections:

1. Compulsory subjects and
2. Option subjects

Compulsory subjects

1. English
2. Mathematics
3. Science

Option Subjects

Students should choose **THREE** subjects from the Subject Progression Chart to make up a full programme of study.

Certain pre-requisites may be required to enter a particular subject class eg, Year 11 Art requires year 10 Art – or entry subject to the approval of the HOF.

In some subjects a maximum number of students taking a class applies eg a Year 11 Computing class can not be more than the number of computers in the room ie 24.

You will be given a course outline for each subject at the beginning of the school year.

Notes:

1. **When a student enters a course of study, there is an expectation that all achievement/unit standards offered for each subject will be enrolled for and attempted subject to the discretion of the HOF/Dean. Students will be expected to attend all classes for instruction in that subject unless there is a legitimate reason for absence.**
2. **On many of the Level 1 courses, there is an outline of possible Achievement Standards available. Which combination you actually do will be outlined for you on your first day next year.**

If you are to succeed in Year 11 it is important to have good time management and other independent learning skills.

Year 12 Courses

All students must study six subjects.

These may also be selected from other year levels on the 'Options Sheet'.– from Year 11 courses or Year 13 courses if the timetable structure permits.

Compulsory Subjects

All students at this level must participate in a full year English course.

* Certain English Achievement Standards are required to meet University Entrance literacy requirements.

Option Subjects

Students should choose FIVE subjects from the Subject Progression Chart to make up a full programme.

In choosing your subjects at this level, it is important to plan ahead:

- If you want to proceed to a full Year 13 Course, choose subjects now which will lead on to courses at that level.
- Be aware of subjects that you may need for your future career so you can try them this year.
- Make sure you choose subjects that will give a good variety and breadth of basic skills required in any course or career. More specialized skills can then be acquired at tertiary level. There is a danger in specializing too early.

There will be certain pre-requisites required to enter courses in most subjects at this level. This is to prevent students being set up for failure because they have not yet achieved the academic levels required to succeed at this level.

Important Note:

When a student enters a course of study, there is an expectation that all achievement/unit standards offered for each subject will be enrolled for and attempted subject to the discretion of the HOF/Dean. Students will be expected to attend all classes for instruction in that subject unless there is a legitimate reason for absence.

It is also important at Year 12 to have good time management and other independent learning skills. All homework and assignments must be completed.

Year 13 Courses

As there is no research that shows taking fewer subjects increases student levels of achievement, **ALL year 13 students are expected to take 5 subjects.** These will not necessarily be at Level 3 but 4 or fewer subjects is not an option.

Entry to a Level 3 subject is not automatic. Students must have achieved particular pre-requisites or they are just being set up for failure. Some students may not have the work ethic required to achieve at Level 3. Any course chosen must be approved by the Dean.

There are no compulsory subjects at this level. However, students who are still not completely sure of their career interest must cover a range of subjects rather than study too many 'like' subjects. Students need variety in their day!

Students also have one non-contact spell per day. This is to provide them with the opportunity to fully develop the independent study skills they will need to succeed at tertiary level.

Students who wish to go on to University are advised to choose five subjects at Year 13 level – NCEA Level 3. If you mix Level 3 and Level 2 courses, you may not be able to achieve entrance to University.

There is an opportunity for competent Year 13 students with the motivation to enter NCEA Scholarship exams.

Students in Year 13 who do not wish to go on to university may choose subjects from other year levels to make up an alternative programme.

While some subjects can be begun at this level, others require certain pre-requisites. Please read the individual course pages carefully so you know what these pre-requisites are.

Important Note:

When a student enters a course of study, there is an expectation that all achievement/unit standards offered for each subject will be enrolled for and attempted subject to the discretion of the HOF/Dean. Students will be expected to attend all classes for instruction in that subject unless there is a legitimate reason for absence.

A good work ethic, motivation and good time management skills are all necessary requirements for academic success at this level.

Assessment and Qualifications 2007

At present the Qualifications Framework provides a unified structure for qualifications in New Zealand. All varieties of assessment are linked to this framework.

Assessment of Year 11 Courses

Level One Achievement Standards towards a National Certificate of Educational Achievement are offered in most Year 11 courses. **All Standards offered in any course are compulsory for students taking that course.**

Some subjects offer Unit Standards.

Assessment of Year 12 Courses

Most courses are assessed at NCEA Level Two. Some subjects use unit standards. The important thing is that students choose what courses they are interested in: how the subjects are assessed is not important in making that choice. All students must achieve certain English achievement standards in order to meet the literacy requirements for University.

Assessment of Year 13 Courses

Criteria for Entrance to New Zealand universities.

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

- A minimum of 42 credits at level 3 or higher on the National Qualifications Framework, including a minimum of 14 credits at level 3 or higher in each of two subjects from an approved subject list, with a further 14 credits at level 3 or higher taken from no more than two additional domains on the National Qualifications Framework or approved subjects.
- 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. The literacy credits will be selected from a schedule of approved achievement standards and unit standards.

Subject Progression Chart

Year 11	Year 12	Year 13
Visual Art	Visual Art	Painting
	Design	Design Painting
		Art History
Computing Part 1	Computing Part 2	Computing
Drama Level 1	Drama Level 2	
Economics		Economics
	Business Studies 12/13	
English*	English*	English
French	French	French
Geography	Geography	Geography
History	History	History
Mathematics*	Mathematics	Calculus Statistics
Music	Music	Music
Physical Education	Physical Education	Physical Education
Science*	Biology Chemistry Physics	Biology Chemistry Physics
Materials Technology	Materials Technology	Fashion Design

* Compulsory at this level

Biology Level 2

Pre-requisites

It is preferred that students have the following:
Merit in Science 1.1, Science 1.3

Where does the subject lead?

Year 12 Biology is a pre-requisite for Year 13 (Level 3) Biology and hence to many science courses available through Polytechnics and Universities including first year health science. It also benefits students who may not choose to take Biology any further by increasing their understanding of the nature of the living world around them.

Name	Description	Number of Credits	Mode of Assessment
90457	Carry out a biological investigation with supervision	3	Internal
90769	Research the interaction between humans and as aspect of biology	3	Internal
90459	Describe genetic variation and change	3	External
90460	Investigate an interrelationship or pattern in a population or community	3	Internal
90461	Describe concepts and processes relating to ecology	3	External
90462	Describe diversity in the structure and function of animals	3	External
90463	Describe diversity in the structure and function of plants	3	External
90464	Describe cell structure and function	3	External
Total Credits Offered		24	

Biology Level 3

Pre-requisites

Level 2 Biology – Achievement in all standards, Merit in 2.1 and 2.3

Level 2 Math – Achievement in 2.5 and 2.6 (statistics)

Where does the subject lead?

Year 13 Biology enables the student to study many science-based university courses including science, conservation, veterinary science, medicine, pharmacy and physiotherapy. It is particularly recommended for those wishing to continue with the year one health sciences in University. It can also lead to science-based courses at Polytechnics including those training nurses and vet-nurses. Students who do not continue in Biology will have gained a greater understanding of the nature of the living world around them through the study of Year 13 Biology.

Name	Description	Number of Credits	Mode of Assessment
90713	Carry out an investigation into an aspect of the ecological niche of an organism with guidance.	5	Internal
90714	Describe gene expression	4	External
90716	Describe animal behaviour and plant response	4	External
90717	Describe patterns of evolution	2	External
90718	Describe applications of biotechnological techniques	3	External
90719	Describe trends in human biological and cultural evolution.	3	External
Total Credits Offered		21	

Business Studies

For students in both Year 12 and 13

This course aims to provide students with knowledge of the principles, processes and systems involved in setting up and running a small business. It involves the commitment of being part of a Young Enterprise team and will enable students to perform tasks in running their own small business. Student teams will be partnered with a business mentor to guide them and help focus their energy. This is an ideal subject for creative and business students to gain a practical application of financial and business knowledge.

Pre-Requisites

There are no pre-requisites for this course. However, low effort grades on the previous year's report may exclude students from entry.

Assessment

A selection of Unit Standards will be offered as part of this course. The makeup of these Unit Standards will be advised at the beginning of the year.

In addition to the Unit Standards, the students may also gain 24 Level 3 Credit Equivalents that can contribute to the award of NCEA.

There are internal and external components to this course. Students are required to pass both components in order to gain credit equivalents and/or credits from Unit Standards.

Young Enterprise Scheme (YES) Certificate

Part of this course comprises the students setting up a business. Credits are as follows:

	Credits equivalents	Course Requirements	Exam
YES Certificate	24 at level 3	Y	Y
University of Cambridge Certificate	No NCEA credits	X	Y

Please note: These YES Certificate Credit Equivalents do count toward the award of NCEA. However, they do not count for University Entrance. For this reason Unit Standards that will fulfill the University Entrance requirements are being investigated.

Chemistry Level 2

Pre-requisites

It is expected that students will have achieved ‘ Describe aspects of Chemistry’ at Level 1 and ‘Algebra’ at Level 1.

Where does the subject lead?

Year 12 Chemistry is a pre-requisite for Year 13 (Level 3) Chemistry. Chemistry is required for most tertiary courses related to science and technology.

Name	Description	Number of Credits	Mode of Assessment
90305	Carry out an qualitative analysis	3	Internal
90763	Solve simple quantitative chemical problems	2	Internal
90308	Describe the nature of structure and bonding in different substances	4	External
90309	Describe the structural formulae and reactions of compounds containing selected organic functional groups.	4	External
90310	Describe principles of chemical reactivity.	5	External
90311	Describe oxidation-reduction reactions	3	External
90312	Carry out a practical scientific investigation with supervision	4	Internal
Total Credits Offered		25	

Chemistry Level 3

Pre-requisites

It is expected that students will have achieved **all** of the level 2 chemistry standards.

Where does the subject lead?

Chemistry is required for most tertiary courses related to science and technology.

Outline of achievement standards offered:

Name	Description	Number of Credits	Mode of Assessment
90695	Determine the composition of an oxidant or reductant by titration	2	Internal
90696	Describe oxidation-reduction processes	3	External
90697	Describe selected atomic, molecular and ionic properties.	3	External
90698	Describe the structure and reactions of organic compounds containing selected organic groups	4	External
90699	Describe and use thermochemical principles	4	External
90700	Describe aqueous solutions using equilibrium principles	5	External
Total Credits Offered		21	

Computing Part 1

What will I learn?

You will learn how computers operate and how to manage information. You will also extend your knowledge of Word Processing, Spreadsheets, Databases and Graphics. You will be able to integrate the skills you master into your other subjects.

How is the course assessed?

Students can expect to complete unit standard assessments on a regular basis throughout the course. All assessments are internal. These unit standards can be credited towards your NCEA. Some achievement standards may be offered in addition to the unit standards specified.

Unit Standards to be offered in year one of the course	Level	Credits
2780 Describe and operate a personal computer system	2	9
2781 Manage and Protect Computer Data	2	3
2784 Demonstrate knowledge of and produce computer spreadsheets	2	3
2786 Create and use a flat file computer data base	2	3
5939 Produce computer graphics using base functions	2	3
Total Credits Offered		21

Note: Entry to this class is not guaranteed. Computer classes at this level are restricted to the number of machines available. Allocation of places is up to the discretion of the Dean.

Computing Part 2

What will I learn?

Advanced Word Processing, Desktop Publishing, Spread Sheeting, Databases, Web page design, Web Design and Graphics and Integrating Data

Where does the subject lead?

This is the second year of a two year course leading to the National Certificate of Computing. If students do not complete this at school, they can continue it at a polytechnic and then lead on to more specialized qualifications. The qualification is designed to meet the Information Technology needs of the business community.

How is the course assessed?

Students can expect to complete unit standard assessments on a regular basis throughout the course. All assessments are internal. These unit standards can be credited towards your NCEA. Some achievement standards may be offered in addition to the unit standards specified.

What qualification can I gain?

Credits of unit standard assessments leading to the National Certificate in Computing. These credits form part of your NCEA.

Unit Standards to be offered in year two of the course	Level	Credits
2788 Produce desktop published documents using base functions	2	3
5941 Exchange messages using email	2	2
5942 Exchange information with an online computer service	2	3
2785 Create a computer spreadsheet to provide a solution for organisation use	3	5
2787 Create a flat file database to provide a solution for organisation use	3	5
5940 Produce a presentation using a desktop presentation computer application	3	5
111 Operate a word processor (<i>Microsoft Word</i>)	2	5
112 Produce text processed communications (<i>Microsoft Word</i>)	3	5
Total Credits Offered		33

Note: Entry to this class is not guaranteed. Computer classes at this level are restricted to the number of machines available. Allocation of places is up to the discretion of the Dean.

Computing (Web Design)

Year 13 students

What will I learn?

Web page design, graphics and multimedia

How is the course assessed?

Students can expect to complete unit standard assessments on a regular basis throughout the course. All assessments are internal. These unit standards can be credited towards your NCEA

Unit Standard Number and Title	Level	Credits
18735 Create website using a text editor, to meet the specifications of a given brief	2	3
5947 Solve a problem with computer technology	3	3
18738 Create and operate an interactive website to provide a solution for an organization	4	15
5956 Create images using a computer	3	5
Total Credits Offered		26

Note: Allocation of places is up to the discretion of the Dean.

Drama Level 1

The course combines the practical knowledge of drama techniques with performance in both improvised and script-based presentations.

Students are required to keep a journal for reflecting on drama processes and performance experiences. The journal provides supporting evidence for internal assessment and forms the basis of study notes for the external written exam.

The class will attend at least one live theatre production.

Outline of the Course Assessment.

Achievement Standard	Title	Credits	Assessment Mode
AS 90006	Use drama techniques	4	Internal
AS 90007	Use elements and conventions to devise drama	4	Internal
AS 90008	Demonstrate knowledge of a drama/theatre form through a practical presentation	3	Internal
AS 90009	Perform an acting role	4	Internal
AS 900011	Understand and reflect on drama processes and performance, applied to new contexts	5	External

A total of 20 Level One credits will be available

Drama Level Two

Year 12 and 13 students

The course combines the practical knowledge of drama techniques with performance in both improvised and script-based presentations.

Students are required to keep a journal for reflecting on drama processes and performance experiences. The journal provides supporting evidence for internal assessment and forms the basis of study notes for the external written exam.

The class will attend at least one live theatre production.

Course Outline of Assessment.

Achievement Standard	Title	Credits	Assessment Mode
AS 90299	Apply drama techniques in an improvised group context	2	Internal
AS 90300	Apply drama techniques in a group within a scripted context	2	Internal
AS 90302	Apply knowledge of a drama/theatre form or period through performing a role in a presentation	5	Internal
AS 90303	Perform a substantial acting, technical or production role	6	Internal
AS 90304	Apply knowledge of, respond to and make judgements about drama processes and performance	5	External

A total of 20 Level Two credits will be available.

Economics Level 1

The course focuses on two groups in the economy – households and firms.

Specifically the course looks at:

- How and why households (consumers) make purchasing decisions
- What motivates firms (producers) and why they make production decisions
- How Consumers and Producers interact in the market place
- How the New Zealand Economy operates and its impact on individuals

You will be working toward gaining credits for NCEA, Level One.

Your work will be assessed internally and externally. The external assessment will be an examination at the end of the year.

The Level One Economics Achievement Standards are outlined below

Number	Title	Credits	Assessment Mode
90195	Describe concepts related to consumer choice and demand.	4	External
90196	Describe producers, production and resources and their use	5	External
90197	Describe the concept of supply	3	External
90198	Describe the market	5	External
90199	Describe relationships between sectors of the economy.	2	External
90201	Carry out an economic investigation	3	Internal
Total Credits Offered		22	

Although Year 10 Economics would be helpful, it is not a prerequisite for this course.

Approximate Costs:

Workbook \$25.00

Economics Level 2

This course focuses on the workings of the New Zealand economy through a study of the important economic issues. The issues studied are employment, trade, inflation, economic growth and inequality.

Specifically the course looks at:

- How each of the issues arises
- How the issues are measured and analysed
- The impact of the issues on individuals and sectors of the economy
- How the government deals with the issues.

You will be working towards gaining credits for NCEA, Level Two.

Your work will be assessed internally and externally. The external assessment will be an examination at the end of the year.

The Level Two Economics Achievement Standards are outlined below.

Achievement Standard No.	Title	Credits	Assessment Mode
90758 2.1	Define and describe economic concepts and terms in relation to given issues	3	External
90759 2.2	Use economic models to illustrate aspects of given issues	4	External
90238 2.3	Demonstrate an awareness of government policies related to economic issues	4	External
90760 2.4	Carry out an investigation of a current economic issue	6	Internal
90761 2.6	Process and interpret statistical data in relation to given economic issues	4	External
90762 2.7	Describe economic effects of given issues	3	External
Total Credits Offered		24	

Although NCEA Level One Economics would be very helpful, it is not a prerequisite for this course. However if you have failed to achieve in Level One Economics, entry to this course may be restricted.

Approximate Costs:

Workbook \$25.00

Economics Level 3

The aim of this course is to enable students to achieve a level of economic literacy and understanding, which will allow them to develop a continuing and critical interest in economic issues.

Specifically the course looks at:

- Resource allocation via the market system
- Resource allocation through the state sector
- Aggregate economic activity and policy

You will be working towards gaining credits for NCEA, Level Three.

Your work will be assessed internally and externally. The external assessment will be an examination at the end of the year.

The Level Three Economics Achievement Standards will be selected from those outlined below.

Achievement Standard No.	Title	Credits	Assessment Mode
90629	Understand marginal analysis and behaviour of firms.	5	External
90630	Understand the market and allocative efficiency	4	External
90632	Describe and illustrate aggregate economic activity	6	External
90778	Collect and process information, and carry out an economic analysis.	5	Internal
Total Credits Offered		20	

Although NCEA Level Two Economics would be very helpful, it is not a prerequisite for this course. However if you have failed to achieve in Level Two Economics, entry to this course may be restricted.

Approximate Costs:

Workbooks x 2 \$25.00

English Level 1

What will I learn?

This programme follows the requirements set out at Level Six of the New Zealand English Curriculum document. It includes an in-depth study of aspects of literature, language, close reading and visual and oral texts.

How will it be assessed?

All topics will be assessed against the relevant Achievement Standards as outlined below.

What qualifications can I gain?

Credits towards an NCEA Level One.

There will be 9 points of assessment: 4 internal and 5 external.

Achievement Standard	Credit	Assessment type
1.1 Produce creative writing AS 90052	3 credits	Internal
1.2 Produce formal writing AS90053	3 credits	External
1.3 Read, study and show understanding of extended written text(s) AS90054	2 Credits	External
1.4 Read, study and show understanding of a number of short written texts. AS90055	2 credits	External
1.5 View/listen to, study and show understanding of a visual or oral text AS90056	2 credits	External
1.6 Read and show understanding unfamiliar texts AS90057	3 credits	External
1.7 Deliver a speech in a formal situation AS90058	3 credits	Internal
1.8 Produce a media or dramatic presentation AS90059	3 credits	Internal
1.9 Research, organise and present information AS90060	3 credits	Internal
Total Credits Offered	24	

English Level 2

What will I learn?

This programme follows the requirements up to and including Level Seven of the New Zealand English Curriculum document. It includes an in-depth study of aspects of literature, language, close reading and visual and oral texts.

How will it be assessed?

All topics will be assessed against the relevant Achievement Standards as outlined below.

What qualifications can I gain?

Credits towards an NCEA Level Two.

What should I have achieved already?

12 credits at NCEA English Level One, including AS 1.6 and either 1.2 or 1.3 or at the discretion of HOF

There will be 7 points of assessment: 3 internal and 4 external.

Achievement Standard	Credit	Assessment type
2.1 Produce crafted and developed creative writing AS 90375	3 credits	Internal
2.2 Produce crafted and developed formal transactional writing AS 90376	3 credits	Internal
2.3 Read, study and analyse extended written text(s) AS 90377	3 credits	External
2.4 Read, study and analyse short written texts. AS90378	3 credits	External
2.5 View/listen to, study and understand a visual or oral text AS90379	3 credits	External
2.6 Read unfamiliar texts and analyze the ideas and language features AS 90380	3 credits	External
US 12905 read an inclusive variety of written texts and record the reading experience	4 credits	Internal
Total Credits Offered	22	

English Level 3

What will I learn?

This programme follows the requirements up to and including Level Eight of the New Zealand English Curriculum document. It includes an in-depth study of aspects of literature, language, close reading and visual and oral texts.

How will it be assessed?

All topics will be assessed against the relevant Achievement Standards as outlined below.

What qualifications can I gain?

Credits towards an NCEA Level Three

What should I have achieved already?

12 credits at NCEA English Level 2 , including AS 2.6, 2.1 or 2.2 and one of 2.3, 2.4 or 2.5 or at the discretion of HOF

There will be 7 points of assessment: 3 internal and 4 external

Achievement Standard	Credit	Assessment type
3.1 Produce an extended piece of writing in a selected style AS 90720	4 credits	Internal
3.2 Respond critically to written text(s) studied. AS 90721	3 credits	External
3.3 Respond critically to Shakespearean drama studied AS 90722	3 credits	External
3.4 Respond critically to oral or visual text studied. AS 90723	3 credits	External
3.5 Respond critically to unfamiliar prose and poetry texts AS 90724	3 credits	External
3.6 Construct and deliver an oral presentation AS 90725	4 credits	Internal
3.7 Complete independent research on a language or literature topic and present findings in written form AS 90726	4 credits	Internal
Total Credits Offered	24	

French Level 1

What will I learn?

This is a course that covers a range of topics such as Sport and Leisure, Holidays, Travelling and Health. Skills of comprehension, writing in French and oral communication are developed through a variety of group, pair and individual activities, including role play activities, listening to authentic French and recording dialogue.

What should I have done already?

Year 10 French is essential.

How will it be assessed?

The programme will be assessed against the following Achievement Standards:

Type of Achievement Task	Achievement Standard Description	Credit Value	Internal or External
Listening AS 90084	1.1 Listen to and understand spoken language in French in familiar contexts	6	External
Speaking AS 90085	1.2 Give a prepared talk in French on a familiar topic.	3	Internal
Conversation AS 90086	1.3 Converse in French in a familiar context	3	Internal
Reading AS 90087	1.4 Read and understand written language in French in familiar contexts	6	External
Writing AS 90088	1.5 Write text in French on a familiar topic.	3	External
AS 90089	1.6 Write texts in French on familiar topics, with the support of resources.	3	Internal
Total Credits Offered		24	

Approximate Costs:

Renash Booklet \$10.00
Vocabulary and Structures Level 1

French Level 2

What will I learn?

A greater understanding of the ways of life and cultures of French-speaking peoples. Further experience in communicating in French and an ability to respond in less familiar contexts.

What should I have done already?

12 credits at NCEA Level One French are essential. Entry at HOF discretion.

How will it be assessed?

The programme will be assessed against the following Achievement Standards:

Type of Achievement Task	Achievement Standard Description	Credit Value	Internal or External
Listening AS 90395	2.1 Listen to and understand spoken language in French in less familiar contexts	6	External
Speaking AS 90396	2.2 Give a prepared spoken presentation in French on a less familiar topic.	3	Internal
Conversation AS 90397	2.3 Converse in French in a less familiar context	3	Internal
Reading AS 90398	2.4 Read and understand written language in French in less familiar contexts	6	External
Writing AS 90399	2.5 Write text in French on a less familiar topic.	3	External
Writing AS 90400	2.6 Produce crafted text in French on a less familiar topic, with the support of resources.	3	Internal
Total Credits Offered		24	

Approximate Costs:

Renash Booklet \$10.00
Vocabulary and Structures Level 2

French Level 3

What will I learn?

To be able to communicate in French In a variety of unfamiliar contexts, using complex language.

What should I have done already?

12 credits at NCEA Level 2 French are essential. Entry at HOF discretion.

How will it be assessed?

The programme will be assessed against the following Achievement Standards:

Type of Achievement Task	Achievement Standard Description	Credit Value	Internal or External
Listening AS 90558	3.1 Listen to and understand complex spoken French in less familiar contexts	6	External
Speaking AS 90559	3.2 Give a prepared speech in French, using complex language, in a formal situation.	3	Internal
Conversation AS 90560	3.3 Engage in an extended conversation in French using complex language in less familiar contexts.	3	Internal
Reading AS 90561	3.4 Read and understand written French containing complex language, in less familiar contexts	6	External
Writing AS 90562	3.5 Write text in French, using complex language on a less familiar topic.	3	External
	3.6 Produce crafted text in French, using complex language with the support of resources.	3	Internal
Total Credits Offered		24	

Approximate Costs:

Renash Booklet \$10.00
Vocabulary and Structures Level 3

Geography Level 1

The Year 11 Geography course looks at:

Extreme Natural Event	Tropical Cyclones in the South West Pacific Earthquakes in New Zealand.
Population	New Zealand Monsoon Asia
Resources and Their Use	New Zealand Dairy Farming Australian Iron Ore Mining

You will be working towards gaining credits for NCEA, Level One.

Work will be assessed internally and externally. The external assessment will be an examination sat at the end of the year.

Outlined below are the Level One geography achievement standards, the credit weighting of each and how they are assessed.

Number	Title	Credits	Assessment Mode
AS 90202 1.1	Examine an extreme natural event and the human response	3	External
AS 90203 1.2	Examine population patterns, processes and issues	3	External
AS 90204 1.3	Examine resource use in a farming or mining context	3	External
AS 90205 1.4	Apply skills and ideas with direction in a geographic context	4	External
AS 90206 1.5	Carry out directed geographic research	5	Internal
AS 90207 1.6	Examine a contemporary geographic issue and evaluate courses of action	3	Internal
AS 90208 1.7	Examine a global geographic topic	3	Internal
Total Credits Offered		24	

You will be advised in advance when each assessment will be carried out and what the assessment policies of the school and this department are.

Approximate Costs:

Workbook	\$13.00
3 Day Trip to Taranaki	\$200.00

Geography Level 2

The Year 12 Geography course looks at contrasts in:

Natural Landscapes	The Amazon Rainforest in South America Tongariro National Park
Urban Settlements	New Zealand - Wellington North America – New York
Disparities in Development	Developed Economics eg, USA Less developed economies eg, Tanzania

You will be working towards gaining credits for NCEA, Level One.

Work will be assessed internally and externally. The external assessment will be an examination sat at the end of the year.

Outlined below are the Level Two geography achievement standards, the credit weighting of each and how they are assessed.

Number	Title	Credits	Assessment Mode
AS 90331 2.1	Examine natural landscapes	3	External
AS 90332 2.2	Examine urban settlements	3	External
AS 90334 2.4	Apply skills and ideas in a geographic context, with guidance	4	External
AS 90335 2.5	Carry out guided geographic research	5	Internal
AS 90336 2.6	Examine a contemporary geographic issue	3	Internal
AS 90337 2.7	Examine a global study	3	Internal
Total Credits Offered		21	

You will be advised in advance when each assessment will be carried out and what the assessment policies of the school and this department are.

Entry Requirements:

Any 16 credits at NCEA Level 1 is preferred to study the Year 12 Course Level 2. The subject may be picked up without Level 1 Geography. The final decision will be at the discretion of the HOF.

Approximate Costs:

Workbook	\$13.00
3 Day Fieldwork Trip to Tongariro National Park	\$250.00

Geography Level 3

The Year 13 Geography course looks at:

Natural Processes	The Hutt River		
Cultural Processes	Tourism Development	-	Rotorua
		-	Gold Coast

Role of Geography in Planning and Decision Making

You will be working towards gaining credits for NCEA, Level three.

Work will be assessed internally and externally. The external assessment will be an examination sat at the end of the year.

Outlined below are the Level three Geography achievement Standards, the credit weighting of each and how they are assessed:

Number	Title	Credits	Assessment Mode
AS 90701 3.1	Analyse natural processes in the context of a geographic environment	4	External
AS 90702 3.2	Analyse a cultural process	4	External
AS 90704 3.4	Select and apply skills and ideas in a geographic context	4	External
AS 90705 3.5	Carry out and present geographic research with consultation	3	Internal
AS 90706 3.6	Analyse a contemporary geographic issue and evaluate courses of action	3	Internal
AS 90707 3.7	Analyse a geographic topic at a global scale.	3	Internal
Total Credits Offered		22	

You will be advised in advance when each assessment will be carried out and what the assessment policies of the school and this Faculty are.

Entry Requirements:

A minimum of 10 credits. Two external standards should be passed, one of which is skills. Interested students without these pre-requisites will be considered on their merit by the HOF.

Approximate Costs:

Workbook	\$13.00
5 Day fieldwork trip to Rotorua and Waitomo	\$350.00

History Level 1

What will I learn?

The Year 11 History Course is designed to provide students with a broad background in both New Zealand and International History of the 20th Century.

The three topics studied are:

- Origins of World War II 1919 – 1941
- Women’s Impact on NZ Society: Health 1915-1985
- Black Civil Rights 1954 – 1970

These topics are assessed against six Achievement Standards.

Four are externally assessed in an end of year examination

Two are internally assessed, based on assignment work throughout the year.

Number	Title	Credits
AS 90209 1.1	Carry out an historical investigation Internally assessed	4
AS 90210 1.2	Communicate historical ideas Internally assessed	4
AS 90211 1.3	Interpret historical sources Externally assessed	4
AS 90212 1.4	Examine the perspectives of people in an historical setting Externally assessed	4
AS 90213 1.5	Describe an historical development in an essay. Externally assessed	4
AS 90214 1.6	Describe experiences that led to the shaping of the identity of New Zealanders. Externally assessed	4
Total Credits Offered		24

Achievement Standards 90209, 90210, 90211 assess skills of History
 Achievement Standards 90212, 90213, 90214 assess History knowledge and understanding.

History Level 2

Year 12 History follows on from Year 11 History by expanding on skills previously taught such as analyzing, processing and communicating information. The focus shifts to the 19th and 20th Centuries.

The course is divided into three class-based topics:

- Origins of World War I
- The Russian Revolution
- Conflict in Indo-China – The Vietnam War

These topics are assessed against six Achievement Standards of four credits each.

Three Achievement Standards are internally assessed in assignment work throughout the year.

Three Achievement Standards are externally assessed in an end of year examination.

Number	Title	Credits
90465 2.1	Plan and carry out an historical inquiry Internally assessed	4
90467 2.3	Examine evidence in historical sources Externally assessed	4
90468 2.4	Examine and demonstrate empathy for the perspectives of people in an historical setting Internally assessed	4
90469 2.5	Examine a force or movement that influenced people's lives in an historical setting, in an essay Externally assessed	4
90470 2.6	Examine individual or group identity in an historical setting, in an essay. Externally assessed	4
Total Credits Offered		20

It is preferred that students have gained 12 credits at Level One including 90213

History Level 3

What will I learn?

Year 13 History is divided into class-based work and periods of individual research study. The NCEA examination will examine the topic: Tudor and Stuart England 1558-1667.

This course will take aspects of the following themes to provide context and focus for the NCEA exams.

- Economy and Society – Culture and Religion of the Tudor & Stuarts
- Government and Politics – Elizabeth I, James I, Charles I
- Revolution, Republic and Restoration – The English Civil War, Interregnum, Return of Charles II

Students are also required to complete one research-based assignment. Emphasis is placed on analysis of historical resources, understanding bias and being able to evaluate historiography.

How will I learn?

Learning is via a wide range of mediums such as discussion, resource interpretation, presentations/seminars and research.

How is this course assessed / What qualifications can I gain?

Number	Title	Credits
90654 3.1	Plan and carry out independent historical research Internal	5 credits
90655 3.2	Communicate historical ideas and understandings Internal	5 credits
90656 3.3	Analyse and evaluate evidence in historical sources External	4 credits
90657 3.4	Examine a significant decision made by people in history, in an essay External	5 credits
90658 3.5	Examine a significant situation in the context of change, in an essay External	5 credits
Total Credits Offered		24

Entry requirements

- 12 Credits of History at NCEA Level 1
- Or 12 Credits of History NCEA Level 2
- Or Appropriate NCEA English Level 2 credits with special permission from the HOF.

Approximate Costs:

Workbook \$10.00

Mathematics Level 1

What will I learn?

The course covers a range of topics as laid down in the New Zealand curriculum. These can be seen outlined below in the Achievement Standards.

Achievement Standard	Content
AS 90147 (1.1) External 4 credits	Use straightforward algebraic methods and solve equations.
AS 90148 (1.2) External 3 credits	Sketch and interpret graphs
AS 90149 (1.3) Internal 3 credits	Solve problems involving measurement of every day objects.
AS 90193 (1.5) Internal 3 credits	Use statistical methods and information
AS 90194 (1.6) External 2 credits	Determine probabilities
AS 90151 (1.7) External 3 credits	Solve straightforward number problems in context
AS 90152 (1.8) External 2 credits	Solve right angled triangle problems
AS 90153 (1.9) External 2 credits	Use geometric reasoning to solve problems
Total Credits Offered	24

Approximate Costs:

Workbook	\$20.00
H.W. Books	\$12.00
Graphic Calculator - Casio fx 9750G Plus (optional)	\$80.00 optional

Mathematics Level 2

The programme will be based on a selection of the following standards:

Achievement Standard	Content
AS 90284 (2.1) External 4 credits	Manipulate algebraic expressions and solve equations
AS 90291 (2.8) Internal 2 credits	Solve trigonometry problems requiring modeling of practical situations
AS 90287 (2.4) External 2 credits	Use co-ordinate geometry methods
AS 90285 (2.2) External 3 credits	Draw straightforward non-linear graphs
AS 90288 (2.5) Internal 3 credits	Select a sample and use this to make an inference about the population
AS 90289 (2.6) Internal 2 credits	Simulate probability situations and apply the Normal distribution
AS 90286 (2.3) External 4 credits	Find and use straightforward derivatives and integrals
AS 90290 (2.7) External 2 credits	Solve straightforward problems involving arithmetic and geometric sequences
AS 90292 (2.9) External 2 credits	Solve straightforward trigonometric equations
Total Credits Offered	24

This course is worth a total of 24 credits.

What should I have achieved already?

Pre-requisites are: Achieving merit in two out of three of the following Achievement Standards: 1.1, 1.2 and 1.8
Students who do not meet these pre-requisites will be required to discuss their options with the Head of Mathematics.

Where does the subject lead?

Mathematics with Calculus
Mathematics with Statistics

Approximate Costs:

Workbook \$20.00
Graphic Calculator \$80.00

Mathematics with Calculus Level 3

What will I learn?

Achievement Standard	Content
AS 90635 (3.1) External 6 credits	Differentiate functions and use derivatives to solve problems
AS 90636 (3.2) External 6 credits	Integrate functions and use integrals to solve problems
AS 90637 (3.3) Internal 4 credits	Solve problems and equations involving trigonometric functions
AS 90638 (3.4) External 5 credits	Manipulate complex and real numbers and solve equations
AS 90639 (3.5) External 3 credits	Sketch graphs of conic sections and write equations related to conic functions
Total Credits Offered	24

What should I have achieved already?

Pre-requisites are: Achieving Merit in two out of three of 2.1, 2.2, 2.3. Any variations will require the agreement of the Head of Faculty.

Where does the subject lead?

Mathematics with Calculus is an essential pre-requisite for students who wish to gain tertiary qualifications in Mathematics (including statistics), chemistry, physics, technology and engineering and also important for those wanting to study accounting and business administration.

Approximate Costs:

Workbook \$20.00

Mathematics with Statistics Level 3

What will I learn?

Achievement Standard	Content
AS 90641 (3.1) Internal 3 Credits	Determine the trend for time series data
AS 90642 (3.2) External 3 credits	Calculate confidence intervals for population parameters
AS 90643 (3.3) External 4 credits	Solve straight forward problems involving probability
AS 90644 (3.4) External 4 credits	Solve equations
AS 90645 (3.5) Internal 3 credits	Select and analyse continuous bi-variate data
AS 90646 (3.6) External 4 credits	Use probability distribution models to solve straightforward problems
AS 90647 (3.7) Internal 3 credits	Use a mathematical model involving curve fitting to solve a problem
Total Credits Offered	24

What should I have achieved already?

Pre-requisites are: Achieving 2.1, 2.5, 2.6. Any variations will require the agreement of the Head of Faculty.

Where does the subject lead?

Mathematics with Statistics is an important pre-requisite for students who wish to gain tertiary qualifications in the sciences, particularly biological sciences, medicine, accounting, business administration, social sciences and any other field where the collection, analysis and interpretation of data is needed.

Approximate Costs:

Workbook \$20.00

Music Level 1

What will I learn?

This is a course that develops the skills of performance (solo/group), composition and the study of different musical genres. It is necessary to be learning an instrument (this can be voice) privately or through the school instrumental tutors.

The course will be assessed against the following Achievement Standards:

Achievement Standard	Title and Description	Credits	Assessment Mode
90012	Perform as a feature Soloist	6	Internal
90013	Perform as a member of a group	3	Internal
90014	Compose pieces of music	6	Internal
90015	Demonstrate aural skills through description and transcription of simple music	3	External
90016	Identify, describe and explain fundamental materials of music	2	External
90017	Demonstrate knowledge of music works	4	Internal
Total Credits Offered		24	

What qualifications will I gain?

Credits at NCEA Level One

Music Level 2

What will I learn?

The components of this course are an extension of the Year 11 course. These components include: performance, composition, instrumentation, musical knowledge, aural and score reading.

You will continue learning an instrument (including voice) privately or through the school instrumental tutors.

The course will be assessed against the following Achievement Standards:

Achievement Standard	Title and Description	Credits	Assessment Mode
90264	Perform as a feature Soloist	6	Internal
90265	Perform as a member of a group	3	Internal
90266	Compose pieces of music	5	Internal
90267	Create an Instrumentation	2	Internal
90268	Demonstrate aural skills through description and transcription of music	2	External
90269	Demonstrate an understanding of the materials and processes of a range of music	2	External
90270	Demonstrate knowledge and understanding of music works	4	Internal
Total Credits Offered		24	

Pre-requisites:

Achievement Standards at NCEA Level One

What qualifications will I gain?

Credits at NCEA Level Two

Where does the subject lead?

NCEA Level Three



Physical Education Year 11

COURSE OVERVIEW

Number of Credits	Standard Title	Learning Programme Outcomes Students will be able to:	Assessment
1.1 5 Credits AS90067	Participate in physical activities and describe how this influenced hauora/well-being	* Identify the benefits and risks of physical activity in terms of physical, emotional and social.	Self/ Peer Assessment Written test - 1 hour
1.2 5 Credits AS90068	Demonstrate knowledge of body structure and function in the performance of a physical activity	* Explore concepts of Functional Anatomy, Biomechanics, Exercise physiology, applied to Tae Bo	Written test - 1 hour
1.3 3 Credits AS90524	Explore the qualities of movement in a chosen physical activity	* Demonstrate quality movement in a physical activity (Indoor Netball)	Practical Assessment
1.4 4 Credits AS90070	Explore how the body in physical activity is portrayed	* Identify a broad range of influences(positive and negative) on an individual which creates attitudes to physical activity	Poster presentation and Seminar
1.5 4 Credits AS90071	Develop interpersonal skills in a group or team	* Develop skills relating to leadership, co-operation, goal-setting, communication, personal and social responsibility, ethical decision making and problem solving (Handball).	Assignment worksheet - completed under supervision
1.6 3 Credits AS90525	Examine the quality of movement in own performance of a physical activity	* Identify factors that influence movement and motor skill learning concepts(Indoor Netball)	Written review of Practical Assessment
Total Credits Offered			24

YEAR 11 PHYSICAL EDUCATION

NCEA Level 1

TOPIC	CORRESPONDING ACHIEVEMENT STANDARD NUMBER AND TITLE	CREDITS FOR AS	CONTEXT	ASSESSMENT
<p>Lets get active Students have the opportunity to participate in a variety of activities (eg yoga, bushwalk, volleyball, soccer, rockclimbing) as discuss the effects on their personal wellbeing</p>	<p>1.1 AS90067 Participate in physical activities and describe how this influenced hauora/well-being</p>	5	Variety of activities	Self/ Peer Assessment Written test – 1 hour
<p>“Tae Bo” Using Tae Bo (Thai Fit) as a medium, students learn the correct technique for this activity. They will apply knowledge of basic anatomical features, biomechanics and physiology.</p>	<p>1.2 AS90068 Demonstrate knowledge of body structure and function in the performance of a physical activity</p>	5	Tae Bo	Written test – 1 hour
<p>1, 2, 3 Over Students learn the technique and strategies of volleyball in a 3 on 3 setup. They then participate in a competition to improve and demonstrate their skills.</p>	<p>1.3 AS90524 Demonstrate quality movement in the performance of a physical activity</p>	3	3 on 3 Volleyball	Practical Assessment
<p>Here’s Looking at You Students consider the various physical and social factors that affect the way people view the body in physical activity including gender and visual appeal.</p>	<p>1.4 AS90070 Explore how the body in physical activity is portrayed</p>	4	Media	Poster presentation and written responses
<p>Lets Get the Best Out of Our Team Students learn about the interpersonal skills involved in belonging to a team including leadership. They also get experience on running a team and a competition by taking on the roles of coach, manager, umpire etc</p>	<p>1.5 AS90071 Demonstrate interpersonal skills and describe their effects on the functioning of a group or team</p>	4	Handball	Assignment worksheet – completed under supervision
<p>Why am I so Good! Students identify factors that influence the quality of movement and learning.</p>	<p>1.6 AS90525 Examine the quality of movement in own performance of a physical activity</p>	3	3 on 3 Volleyball	Written review of Practical Assessment

Year 11 Physical Education assesses using NCEA Level 1 achievement standards. 24 credits are offered for the year and the course is fully internally assessed (there is no examination at the end of the year).

There are no extra course fees.

YEAR 11 PHYSICAL EDUCATION

NCEA Level 1

TOPIC	CORRESPONDING ACHIEVEMENTSTANDARD NUMBER AND TITLE	CREDITS FOR AS	CONTEXT	ASSESSMENT
<p>Lets get active Students have the opportunity to participate in a variety of activities (eg yoga, bushwalk, volleyball, soccer, rockclimbing) as discuss the effects on their personal wellbeing</p>	<p>1.1 AS90067 Participate in physical activities and describe how this influenced hauora/well-being</p>	5	Variety of activities	Self/ Peer Assessment Written test – 1 hour
<p>“Tae Bo” Using Tae Bo (Thai Fit) as a medium, students learn the correct technique for this activity. They will apply knowledge of basic anatomical features, biomechanics and physiology.</p>	<p>1.2 AS90068 Demonstrate knowledge of body structure and function in the performance of a physical activity</p>	5	Tae Bo	Written test – 1 hour
<p>1, 2, 3 Over Students learn the technique and strategies of volleyball in a 3 on 3 setup. They then participate in a competition to improve and demonstrate their skills.</p>	<p>1.3 AS90524 Demonstrate quality movement in the performance of a physical activity</p>	3	3 on 3 Volleyball	Practical Assessment
<p>Here’s Looking at You Students consider the various physical and social factors that affect the way people view the body in physical activity including gender and visual appeal.</p>	<p>1.4 AS90070 Explore how the body in physical activity is portrayed</p>	4	Media	Poster presentation and written responses
<p>Lets Get the Best Out of Our Team Students learn about the interpersonal skills involved in belonging to a team including leadership. They also get experience on running a team and a competition by taking on the roles of coach, manager, umpire etc</p>	<p>1.5 AS90071 Demonstrate interpersonal skills and describe their effects on the functioning of a group or team</p>	4	Handball	Assignment worksheet – completed under supervision
<p>Why am I so Good! Students identify factors that influence the quality of movement and learning.</p>	<p>1.6 AS90525 Examine the quality of movement in own performance of a physical activity</p>	3	3 on 3 Volleyball	Written review of Practical Assessment

Year 11 Physical Education assesses using NCEA Level 1 achievement standards. 24 credits are offered for the year and the course is fully internally assessed (there is no examination at the end of the year).

There are no extra course fees.

YEAR 13 PHYSICAL EDUCATION

NCEA Level 3

TOPIC	CORRESPONDING ACHIEVEMENT STANDARD NUMBER AND TITLE	CREDITS	CONTEXT	ASSESSMENT
Lets go to Sea Students have to plan a sea kayaking expedition for the class. Then the class participates in the experience.	Physical Education 3.1 AS90739 Plan a physical activity programme or experience that relates to a personal definition of hauora	3	Sea kayaking	Written Assignment/Practical
Lets go to Sea Students reflect on the sea kayaking experience and discuss the changes they would make to their own plan.	Physical Education 3.2 AS90740 Review a physical activity programme or experience that relates to a personal definition of hauora	3	Sea kayaking	Written evaluation Log/Diary
Golf Using Silicon Coach, students can appraise their golf skills and then plan and participate in a programme to improve their skills. Includes professional coaching.	Physical Education 3.3 AS90741 Appraise performance and review a programme for performance improvement, for self or others	5	Golf	Written Assignment Coaching
Golf Nine holes of golf using Stableford scoring. Swimming Students will perform a 200m individual medley or 150 individual medley (no butterfly)	Physical Education 3.4 AS90742 Demonstrate performance in a physical activity against nationally developed performance standards	4	Golf Swimming	Practical Assessment
NZ Sport and Society Students discuss the effects of successful sport on society and investigate successful NZ athletes. Critical thinking activities.	Physical Education 3.5 AS90743 Examine a current physical activity event or trend or issue impacting on New Zealand society	4		Essay
Getting Year 7 & 8 Active Students investigate what influences the year 7's & 8's to be activity and encourages them to participate in organised activities.	Physical Education 3.6 AS90744 Critically examine physical activity and take action to influence the participation of others	5	Planning activities for year 7 and 8	Written assignment Practical instruction

Year 13 Physical Education assesses using NCEA Level 3 achievement standards. 24 credits are offered for the year and the course is fully internally assessed (there is no examination at the end of the year).

Extra costs: Sea kayaking trip approximately \$250.

Extra Golf practises although the costs are subsidised by school.

Physics Level 2

Pre-requisites

Achievement in Science Level 1 Physics and Level 1 Algebra and Trigonometry or at the discretion of the HOF.

Where does the subject lead?

Year 12 Physics is a pre-requisite for Year 13 Physics and hence to the many science courses available through Polytechnics and Universities including first year health science. It also benefits students who may not choose to take Physics any further by increasing their understanding of the nature of the world around them.

The following achievement standards are offered:

Name	Description	Number of credits	Mode of assessment
90252 Take measurements of physical quantities and analyse data graphically to determine a relationship	Learn how to read equipment properly in experiments and draw graphs from experimental results.	4	Internal
90254 Demonstrate understanding of wave phenomena	Study light and waves	4	External
90255 Demonstrate understanding of mechanics	Learn about forces, motion and energy	6	External
90256 Demonstrate understanding of atoms and radioactivity	Understand about how atoms behave while they break down in radioactive decay	2	External
90257 Demonstrate understanding of electricity and electromagnetism	Electricity and magnetism	6	External
90258 Demonstrate understanding of the integrated nature of physics	Do problems that involve more than one achievement standard	2	Internal
Total Credits Offered		24	

Physics Level 3

Pre-requisites

It is expected that students entering level 3 Physics will have achieved all the level 2 external standards.

Where does the subject lead?

Year 13 Physics enables the student to study many science-based university courses including science, medicine, engineering and physiotherapy. It can also lead to science-based courses at Polytechnics. Students who do not continue in Physics will have gained a greater understanding of the nature of the world around them through the study of Year 13 Physics.

The following achievement standards are offered:

Name	Number of credits	Mode of assessment
90518 Carry out a practical investigation that leads to a mathematical relationship	4	Internal
90519 Process uncertainties in data and graphs	2	Internal
90520 Demonstrate understanding of wave systems	4	External
90521 Demonstrate understanding of mechanical systems	6	External
90522 Demonstrate understanding of atoms, photons and nuclei	3	External
90523 Demonstrate understanding of electrical systems	5	External
Total Credits Offered	24	

Science Level 1

The following Achievement Standards are offered:

Name	Description	Number of Credits	Mode of Assessment
90186	Carry out a practical science investigation with direction	4	Internal
90188	Describe aspects of biology (genetics and microorganisms)	5	External
90189	Describe aspects of chemistry.	5	External
90190	Describe rocks and minerals	3	External
90191	Describe aspects of physics (force, Motion and energy, electricity and heat transfer)	5	External
90192	Describe aspects of astronomy (movement and exploration within the solar system).	2	External
Total Credits Offered		24	

Textiles Technology Level 1

What will I learn?

Students will learn skills and processes to develop a solution to a brief. These will include researching, investigation and analysis of design ideas. The students will also build on their garment construction and design skills throughout the year.

Summary of Achievement Standards

Achievement Standard	Title	Credits	Assessment Mode
90045 1.1	Develop a technological solution to a given brief.	6	Internal
90049 1.2	Formulate a brief to address a given issue.	4	Internal
90050 1.6	Present a technological solution that addresses the requirements of a brief.	6	I

Summary of Unit Standards

Unit Standard	Title	Credits	Assessment Mode
6683	Construct a garment from knit fabric.	5	Internal
Total Credits Offered		21	

Some students may be able to submit their portfolios for AS90049 (1.5) – Demonstrate Understanding of Technical Knowledge. Credits = 4 External. Please be aware this does clash with another subject.

Pre-requisites

None.

Where does the subject lead?

Year 12 Textiles Technology
Year 13 Fashion Design
Supportive of careers in Fashion/Technology/Graphics

Approximate Costs:

Students will be expected to buy their own fabric, pattern and notions for their garments.

Textiles Technology Level 2

What will I learn?

Students will learn skills and processes to develop a solution to a brief. These will include researching, investigation and analysis of design ideas. The students will also build on their garment construction and design skills throughout the year.

Summary of Achievement Standards

Achievement Standard	Title	Credits	Assessment Mode
AS 90350 2.2	Develop and implement a one-off solution in materials technology	6	Internal
AS 90372 2.7	Demonstrate skills in materials technology	4	I

Summary of Unit Standards

Unit Standard	Title	Credits	Assessment Mode
6685	Adapt a commercial pattern for a garment	5	Internal
6692	Prepare for an construct leisurewear	5	
Total Credits Offered		20	

Pre-requisites

Level 1 Textiles Technology.

Where does the subject lead?

Year 12 Textiles Technology
Year 13 Fashion Design
Supportive of careers in Fashion/Technology/Graphics

Approximate Costs:

Students will be expected to buy their own fabric, pattern and notions for their garments.

Fashion Design Level 3

What will I learn?

This course is offered to students who have an interest in fashion design. It will be an intensive course in which students will design, pattern-make and construct garments. This will assist them to prepare a portfolio to submit to a fashion school.

Summary of Unit Standards

Unit Standard	Title	Level	Credits	Assessment Mode
16841	Draft a garment or outfit pattern from a block or blocks	3	6	Internal
6699	Prepare for and construct a garment for a formal occasion	3	6	Internal
16840	Prepare for and produce fashion drawings for a portfolio	3	6	
16836	Incorporate a recognizable influence from the past in a new apparel design	2	4	Internal
Total Credits Offered			22	

Pre-requisites

Must have good sewing skills

Where does the subject lead?

Fashion schools or other creative industries

Approximate Costs:

Students will be expected to buy their own fabric, pattern and notions for their garments.

Visual Art Level 1

This is an intensive year's programme which covers a wide range of media approaches. It is aimed to extend approaches and skills developed in Year 10 Art.

To introduce new approaches to media and to base practice on specific art and artists.

There are both internally and externally assessed achievement standards spread across the year.

Achievement Standard	Title	Credits	Assessment Mode
AS 90019	Use drawing processes and procedures	5	Internal
AS 90020	Generate and develop ideas in making artwork (3-panel folio)	12	External
AS 90021	Extend ideas in other media and techniques	4	Internal
Total Credits Offered		21	

Visual Art Level 2

The Visual Art course at Year 12 covers a range of disciplines and media. This includes drawing, mixed-media, painting, different printmaking techniques and digital photography. Art practice is based on the study of relevant art and artists and extended into original work.

The course is divided into four equal Achievement Standards that are assessed internally during the year;

Achievement Standard	Title	Credits	Assessment Mode
AS 90233	Research information methods and ideas in the context of a drawing study in Painting.	6	Internal
AS 90476	Generate and develop ideas using drawing processes and procedures in Painting practice.	6	Internal
AS 90478	Generate and develop ideas using drawing processes and procedures in Printmaking practice.	6	Internal
AS 90477	Generate and develop ideas using drawing processes and procedures in <u>photography</u> practice.	6	Internal
Total Credits Offered		24	

Art History Level 3

There are no pre-requisites to this subject but it is helpful to have an interest in History, English or the Visual Arts.

Students will learn to use the generic skills of History of Art including:

- Research, analysis, interpretation and presentation of information in a variety of forms.
- Understanding and using appropriate art terminology.
- Using analysis to recognize art styles, techniques and formal and expressive properties of art.
- Interpreting signs and symbols.
- Understanding the role of society in art and values attached to art.

Three different subject options will be studied and a combination of internal and external stands will be offered.

90492	Examine media and processes in art. This achievement standard involves describing a range of art media and processes and comparing the effects of media and processes on artworks.	3 credits	Internal
90494	Investigate an art history topic. This achievement standard involves gathering, processing and documenting information on an art history topic and communicating an informed response in a selected mode.	4 credits	Internal
90493	Explain a theory and its role in art. This achievement standard involves outlining a theory related to art and demonstrating how the theory is applied in artworks.	4 credits	Internal
90491	Interpret iconography in art. This achievement standard involves identifying iconographical motifs in art and explaining the meanings conveyed through those iconographical motifs.	4 Credits	External
90490	Analyse style in art. This achievement standard involves identifying characteristics of style in selected artworks and distinguishing between the styles of selected artists, periods or movements.	5 Credits	External
Total Credits Offered		20	

Painting Level 3

This course involves specialized study in painting and requires the following:

- Use of drawing as the central means of generating, analyzing, clarifying and regenerating ideas.
- Knowledge of the characteristics and constraints of process.
- A systematic approach to relating and evaluating ideas and methods in the production of work.
- Use of ideas and methods which are founded in recent and established practice in the production of original work.

Achievement Standard	Title	Credits	Assessment Mode
90663	Investigate and use ideas and methods in the context of a drawing study in painting.	6	Internal
90667	Produce original work within painting to show extensive knowledge of art making methods and ideas.	14	External
Total Credits Offered		20	

Design Level 2

This course involves specialised study in Design. Students research established design tradition and use this knowledge to problem solve in their chosen design theme. Photoshop computer software is used in rendering work for final presentation.

Achievement Standard	Title	Credits	Assessment Mode
AS 90474	Research and document methods and ideas in the context of a drawing study in design	6	Internal
AS 90475	Generate and develop ideas using drawing processes and procedures in design practice	6	Internal
AS 90235	Produce a body of work within design to show understanding of art-making methods and ideas	12	External
Total Credits Offered		24	

Design Level 3

This course involves specialised study in Design. Students research established design tradition and use this knowledge to problem solve in their chosen design theme. Photoshop and Freehand computer software is used in rendering work for final presentation. Three Achievement Standards, worth a total of 24 credits are undertaken.

Achievement Standard	Title	Credits	Assessment Mode
AS 90515	Research in art making tradition and discuss its links to relevant recent design practice.	4	Internal
AS 90516	Investigate and use ideas and methods in the context of a drawing study in design.	6	Internal
AS 90517	Produce original work within design to show extensive knowledge of art making methods and ideas.	14	External
Total Credits Offered		24	