

# **OKAIHAU COLLEGE**

## **NCEA Level 3 Curriculum Handbook 2012**



## INTRODUCTION

This Senior Curriculum Handbook is intended to provide students, parents and caregivers with a comprehensive overview of the Okaihau College Senior Curriculum.

We offer a wide range of subjects at Years 11, 12 and 13. These deliver the New Zealand Curriculum Framework (Te Anga Matauanga o Aotearoa) and prepare students for the National Certificate of Education Achievement (NCEA) at Levels 1 (Year 11), Level 2 (Year 12) and Level 3 (Year 13). We also prepare students for qualifications in subject-based certificates.

Our aim in producing this Senior Curriculum Handbook is to provide students, parents and caregivers with a complete and clear view of what is available in senior classes at Okaihau College.

It is important that students make good choices with regards to course selection; this book provides vital information to enable them to do this. It is possible to build a course of study at more than one level.

Choose carefully and think about the consequences of choosing particular subjects. Consider your interests, abilities and possible career pathways. Read the information about the National Qualifications Framework; this affects you.

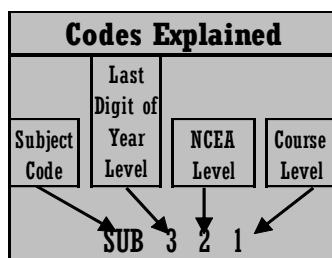
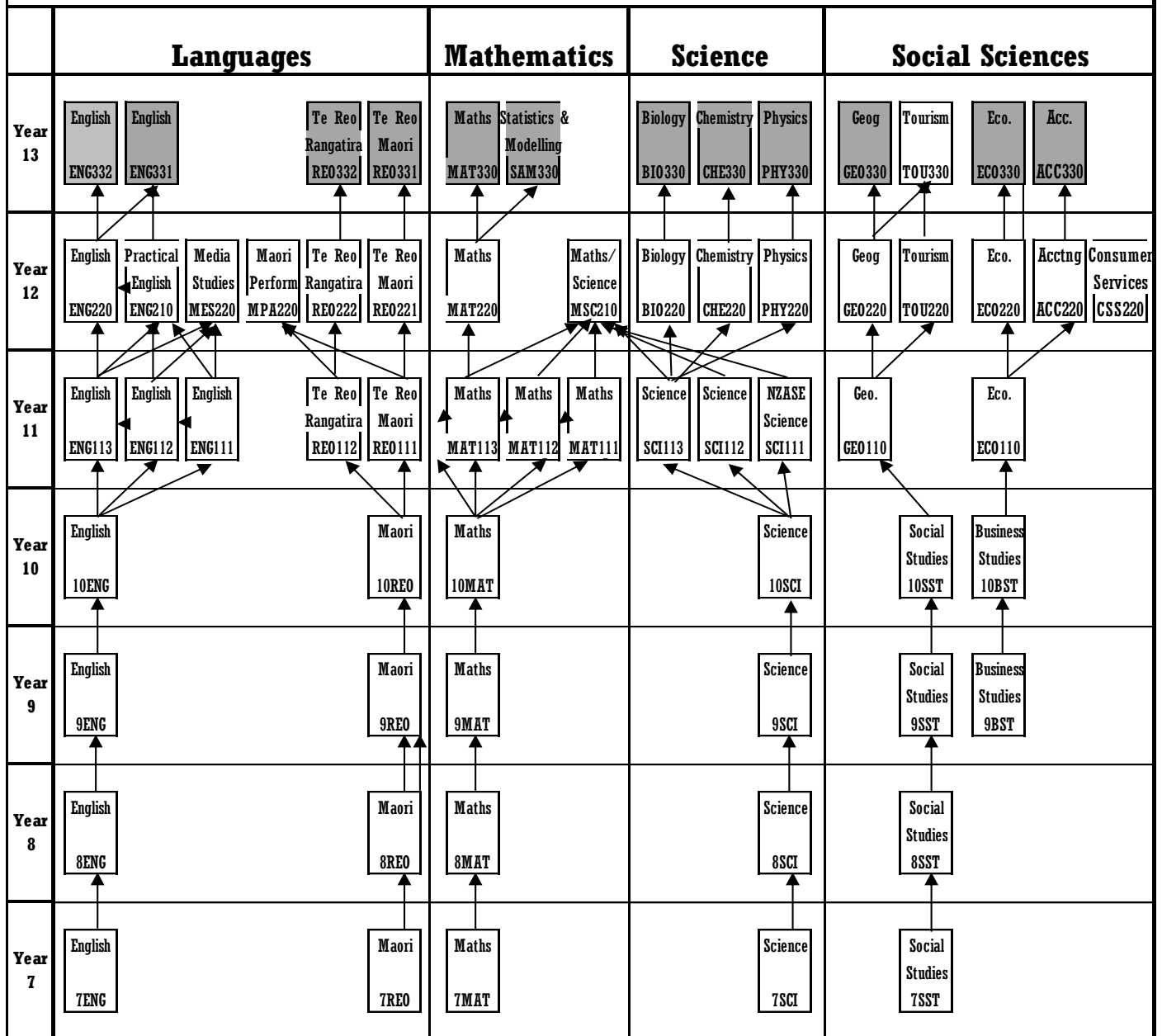
Students will have the opportunity to discuss their option choices with either Mr Robert Newport (Careers Adviser) or Mrs Jenny Griffin (Guidance Counsellor). Parents and caregivers will be sent a letter inviting them to participate in this counselling process.

We are proud of the quality and range of programmes offered at Okaihau College. It presents students with opportunities to fulfil their potential and acquire the knowledge, skills and ideas that will enable them to enjoy success and prepare them well for the future.

We welcome enquiries from students, parents, caregivers and prospective adult students; the college telephone number is (09) 401 9030.

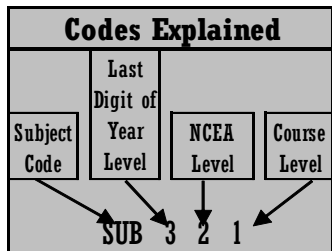
Alan Forgie  
Principal

# Okaihau College Subject Structure



Shaded areas show NZQA approved subjects for university entrance.

	Technology	Arts	Health and Physical Education
Year 13	Dig Tech. DGT330	Art ART330, Drama DRA330	Phys. Ed PED330
Year 12	Dig Tech. DGT220, Hospitality HSI220, Auto-motive AUT220, Graphics DVC220, Construction CST220	Art ART220, Drama DRA220	Super-Studies SPS220, Phys. Ed PED220, Sports L'ship SPL220
Year 11	Dig Tech. DGT110, Hospitality HSI110, Graphics DVC110, Construction CST110	Visual Art ART110, Drama DRA110	Super Studies SPS110, Phys Ed. PED110
Year 10	Dig. Tech. 10DGT, Food & Textiles 10FDT, Graphics & Design 10DVC, Design Tech 10DET	Art 10ART, Drama 10DRA, Music 10MUS	Super-Studies 10SPS, Phys Ed 10PED
Year 9	Technology	Art 9ART, Drama 9DRA, Music 9MUS	Super-Studies 9SPS, Phys Ed 9PED
Year 8	Technology	Art 8ART, Drama 8DRA, Music 8MUS	Super-Studies 8SPS, Phys Ed 8PED
Year 7	Technology	Art 7ART, Music 7MUS	Super-Studies 7SPS, Phys Ed 7PED



Shaded areas show NZQA approved subjects for university entrance.

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# **THE NATIONAL QUALIFICATIONS FRAMEWORK**

## **The Qualifications Framework and the New Zealand Curriculum**

### **The New Zealand Curriculum**

The New Zealand Curriculum covers the seven essential learning areas and the skills which should be part of a broad, balanced school education. The learning areas are; Languages, Mathematics, Sciences, Social Sciences, Technology, Health and Physical Education, and Arts. Each learning area has eight levels, from Level 1 in Junior Primary classes to Level 8 at Senior Secondary level.

### **The Qualifications Framework**

The National Qualifications Framework also has eight levels with Level 1 at Year 11 through to Level 8 in Post-graduate study at university. It has various qualifications for senior secondary level and beyond.

Level 1 is entry level for education and training, broadly equivalent to Year 11 studies. Level 2 is broadly equivalent to Year 12 studies and Levels 3 and 4 represent studies done at Year 13. The framework creates a 'seamless' education system that brings together secondary education, industry training and tertiary education beneath one umbrella.

### **What is a Standard?**

Standards are the building blocks of the Qualifications Framework.

- Standards describe what a student needs to know, do and understand at a certain level. They do not dictate what is taught or how a school delivers its courses.
- Every standard achieved is listed on a person's Record of Achievement. Wherever students go and whatever they learn, they can keep adding to that Record of Achievement throughout their lives.
- Two types of standards are available; Unit Standards and Achievement Standards.

### **Record of Achievement**

Once a student meets the required standard and the appropriate fee is paid, credit for the standard is added to his or her Record of Achievement. This is stored in a national database at the New Zealand Qualifications Authority (NZQA). When the student has achieved the eighty credits needed for a National Certificate of Educational Achievement (NCEA), the title of the qualification will appear on the Record of Achievement.

### **Costs for Students**

The cost for NCEA Levels 1, 2 and 3 is \$76.70 per student per year, with a maximum of \$200 per family. Parents and caregivers can also apply for a rebate if they meet certain financial criteria (eg in receipt of a benefit or have a Community Services Card).

### **A Message to all Intending Students**

Courses listed in this booklet will operate only if there is sufficient student demand and available staffing. Students are advised to read course entry guidelines before making their choices.

## **A Message to Adult Students**

All subjects listed may be taken by adult students. All courses are made up of standards from the National Qualifications Framework. Courses which have been of interest to adult students in the past include; Accounting, Mathematics, English and Digital Technology. As well, some adult students have taken subjects at junior levels.

Careers information is always available here.

## **Structure at Senior School**

Year 11 Science, English, Mathematics, Core Physical Education and Superstudies are all compulsory. Students also choose two other subjects.

In Science, English and Mathematics there are three classes (Unit Standards, Unit Standards / Achievement Standards, and Achievement Standards). These classes are designed to meet different students' academic abilities and teachers recommend which class best fits which student.

Year 12 English and Superstudies are compulsory. Students choose four other subjects.

Year 13 No subjects are compulsory; students take five subjects. They need to be taking the right subjects that will lead to the career option they desire.

## **Careers Education Programme**

Career information and guidance aims to assist students to develop the skills, attitude and knowledge for sound decision making about school and post-school options.

In support of the career education programme, career guidance is offered on a one-to-one basis, usually by self-referral. Career counselling is targeted at students when required or identified. There is a strong network between the Careers Adviser, the Guidance Counsellor and the Form Teachers.

The Careers Adviser or Guidance Counsellor are always able to offer assistance. Appointments can be made for a careers interview at any stage during the year.

Parents, caregivers and people from the community are also very welcome to make an appointment for advice or assistance.

Robert Newport  
Careers Adviser

Jenny Griffin  
Guidance Counsellor

## NCEA – AN EXPLANATION

The National Certificate in Educational Achievement (NCEA) began in 2002 for students studying in Year 11. It allows us to offer subjects and courses that are appropriate for our students and relevant to pathways into work and tertiary study. Under NCEA, students are assessed through a combination of exams and internal assessment. Many of the Achievement Standards of the usual school subjects in Years 11, 12 and 13 are assessed by an examination.

To summarise the main points:

- Most subjects will offer Achievement Standards which are units of work assessed either at the end of the unit or in an examination at the end of the year.
- The result for each Achievement Standard can be Not Achieved, Achieved, Achieved with Merit or Achieved with Excellence.
- Each Achievement Standard has a number of credits. When a student is credited with an Achievement Standard it is added to their Record of Achievement held on a database at the New Zealand Qualifications Authority. This Record of Achievement will hold the results obtained throughout the students' lifetime.
- When a student has gained sufficient credits at a level, they receive an NCEA certificate:

NCEA Level 1	=	80 credits at Level 1
NCEA Level 2	=	60 credits at Level 2 and 20 credits at Level 1
NCEA Level 3	=	60 credits at Level 3 and 20 credits at Level 2
- Endorsements;
  - The National Certificate in Educational Achievement can be endorsed. Students will require 50 credits at Excellence to gain an NCEA endorsed with Excellence, and 50 credits at Merit (or Merit and Excellence), to gain an NCEA endorsed with Merit.
  - Subject Endorsement - students will receive an Excellence endorsement if they gain 14 or more credits at Excellence level and a Merit endorsement if they gain 14 or more credits at Merit level in a school subject. At least three of the 14 credits must be from internally assessed standards and three from externally assessed standards. This demonstrates that students are competent in both forms of assessment.
- For an NCEA Level 1 Certificate, at least 10 credits must come from literacy (reading and writing in English / Te Reo) and 10 from numeracy (dealing with numbers).
- Some subjects will also offer Unit Standards. The credits from Unit Standards will also go towards NCEA. The result for each can be Not Achieved or Achievement.
- Credits from some subjects can be used for other certificates such as the National Certificate in Computing.
- Students studying at NCEA Level 3 have the opportunity to also sit scholarship exams. These exams enable students to be assessed against challenging standards and are designed for the most able students in each subject.
- Most of the approved subjects are available for scholarship in 2012.

## YEARS 12 AND 13 COURSE ENTRY GUIDELINES

In 2012, entry to NCEA Level 2 and NCEA Level 3 will be on a single subject basis.

### Year 12 and Year 13 entry guidelines

Each Year 12 and Year 13 subject will set their own entry standards. You should refer to the subject information for pre-requisites.

Students in Year 12 may take the subjects offered at NCEA Level 1 as well as at Level 2. Students in Year 13 may take subjects offered at NCEA Level 1, 2 or 3. Year 13 students should also read the information about Entrance to University 2013 before selecting subjects.

### Entrance to University 2013

In the past, basic University Entrance Qualifications have ensured a place for any student who wanted to study at university apart from degrees with limited entry such as Medicine and Engineering.

With the changes to government funding, most universities already have restrictions on enrolments. Students now need to look at not only the basic requirements (see below) but also entry for specific degrees. Examples are given below for the University of Auckland entry requirements for 2012.

New Zealand Qualifications Authority (NZQA) and the Council of the Universities have agreed that the 2012 intake of students will be considered for entrance to a university in New Zealand if they 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 (see the Okaihau College Subject Structure for approved subjects).
- PLUS a minimum of 14 credits at level 1 or higher in Mathematics or Pangarau on the National Qualifications Framework.
- PLUS 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. These literacy credits are to be from a schedule or approved Achievement Standards and Unit Standards.

### The University of Auckland 2012

Each student is allocated a rank score based on their best 80 credits at Level 3 or higher over a maximum of five approved subjects; weighted by the level of achievement attained in each set of credits. 4 points allocated for Excellence, 3 points allocated for Merit, 2 points allocated for Achieved. The maximum rank score is 320 points.

In 2011, a student will need 140 entry points for a Bachelor of Arts, 165 points for a Bachelor of Commerce and a minimum of 150 points for a Bachelor of Science.

More specific information is available from Robert Newport or Jenny Griffin.

<b>Subject:</b>	<b>Accounting</b>	
<b>NCEA Level:</b>	<b>Two and Three</b>	
<b>Teacher to Contact:</b>	<b>Mrs K Campbell</b>	<b>Code:ACC330</b>

Standard		Title	Credits
AS 90020	E	Describe the conceptual basis of accounting for a sole proprietor.	3
AS 90222	I	Investigate and report on accounting subsystems.	4
AS 90224	E	Prepare financial statements and related accounting entries for a sole proprietor.	4
AS 90225	E	Analyse, interpret and evaluate financial information for a sole proprietor.	4
AS 90501	E	Process financial information for partnerships and/or companies.	3
AS 90504	I	Prepare a report which analyses and interprets a company's financial report for external users – Level 3.	5

**E means the Achievement Standard is assessed externally at the end of the year.  
I means the Achievement Standard is assessed internally.**

#### **What will I learn?**

Students will study the conceptual basis of accounting, decision making: processing of financial information, prepare, analyse and interpret financial information and design accounting systems suitable to various organisations.

#### **How will I learn?**

Students will learn by using, analysing and interpreting various accounting systems and methods of processing accounting data, both manually and electronically. Students will need to be able to work by themselves and to complete the set work within given times.

#### **What should I have already done?**

Students will need to have successfully completed a course in Accounting at Level 1 / 2.

#### **Where does the subject lead?**

The immediate aim is to pass the Level 2/3 achievement standards by building on, and expanding on previous work. From there, students will be entitled to study Accounting and/or Business Courses at University, polytechnic, Teachers College or training centres and follow specialised fields of accounting. The course also provides a basis to help personal financial decision – making. It is advantageous to have studied Accounting at school if you are considering Tertiary study in this or related fields.

#### **How is the course assessed?**

Four external Achievement Standards are assessed externally in November and the remaining two Achievement Standards will be assessed internally during the year.

#### **Other details: (costs, field trips etc)**

Specialist stationery needed. Lined refill pad and ring binder.

#### **End of course qualifications.**

Credits towards the National Certificate of Educational Achievement Level 2 and 3.

<b>Subject:</b>	<b>Biology</b>
<b>NCEA Level:</b>	<b>Three</b>
<b>Teacher to Contact:</b>	<b>Mrs J Williamson</b> <b>Code: BIO330</b>

Standard		Title	Credits
AS 90713	I	Carry out a practical investigation into an aspect of an organism's ecological niche with guidance.	4
AS 90714	I	Research a contemporary biological issue.	3
AS 90715	E	Describe the role of DNA in relation to gene expressions.	4
AS 90716	E	Describe plant responses and animal behavior in relation to environmental factors.	4
AS 90717	E	Describe processes and patterns of evolution.	3
AS90718	I	Describe applications of biotechnological techniques	3
US 6320	I	Describe a biological technique used in contemporary molecular biology or biotechnology.	3

**E means the Achievement Standard is assessed externally at the end of the year.  
I means the Standard is assessed internally.**

#### **What will I learn?**

The course covers: Genetics and Evolution, Plant or Animal study, Human Evolution and contemporary issues in Biology.

#### **How will I learn?**

By reading, researching and recording relevant facts and communication ideas through assignments and tests. Students must work independently to carry out a practical investigation.

#### **What should I have already done?**

Students are required to have done Level 2 Biology before taking this subject. Other than that, entry may be possible upon negotiation with the HOD.

#### **Where does the subject lead?**

It is a pre-requisite for courses at tertiary level, including Polytechnic, Colleges of Education and Universities. Level 3 Biology is also seen as a valuable asset for entry into many careers.

#### **How is the course assessed?**

Both internal and external standards.

#### **Other details: (costs, field trips etc)**

Write on Manual, which costs \$25.00.

Stationery: Optional extra manual \$22. Ring binder for notes, one 1B5 and one scrap book.

#### **End of course qualifications.**

Credits towards the National Certificate of Educational Achievement Level 3.

<b>Subject:</b>	<b>Chemistry</b>
<b>NCEA Level:</b>	<b>Three</b>
<b>Teacher to Contact:</b>	<b>Mrs J Davidson</b> <b>Code: CHE330</b>

Standard		Title	Credits
AS 90695	I	Determine the composition of an oxidant or reluctant by titration.	2
AS 90696	E	Describe oxidation-reduction processes.	3
AS 90698	E	Describe aspects of organic chemistry.	5
AS 90700	E	Describe aqueous solutions using equilibrium principles.	5
AS90728	I	Research a current scratible controversy	4
AS 90780	E	Describe properties of particles and thermo chemical principles.	5

**E means the Achievement Standard is assessed externally at the end of the year.**

**I means the Achievement Standard is assessed internally.**

### **What will I learn?**

This course is a continuation of Level 2 Chemistry for those planning to continue in physical sciences. The course includes Atomic Structure, bonding and related properties; Thermo chemistry; Equilibrium and aqueous solutions; Oxidation-reduction reactions; and Organic chemistry.

### **How will I learn?**

By developing scientific skills and attitudes; by interpreting and using a range of chemical information from quantitative and qualitative information. You will use the language of Chemistry to describe, understand and predict chemical behaviour at the molecular level,

### **What should I have already done?**

Level 2 Chemistry, must have passed two of the four external papers offered and three of the internal papers, and at least NCEA Level 1 Mathematics and preferably Level 2 Mathematics.

### **Where does the subject lead?**

Many subjects at the tertiary level in the area of the Chemical Sciences. It will enrich students understanding and appreciation of the 'chemical world' and its association with the other sciences.

### **How is the course assessed?**

During the year by assignments, tests, practical's and internal examinations. Finally at the end of the year by the external Level 3 examinations and / or scholarship examinations.

### **Other details: (costs, field trips etc)**

Stationery: Lined refill pad and A4 folder, write-on lab book for \$25.

### **End of course qualifications.**

Credits towards the National Certificate of Educational Achievement Level 3.

<b>Subject:</b>	<b>Communication English</b>		
<b>NCEA Level:</b>	<b>Three</b>		
<b>Teacher to Contact:</b>	<b>Mrs S Oliver</b>	<b>Code: ENG331</b>	

<b>Standard</b>		<b>Title</b>	<b>Credits</b>
AS 90720	I	Produce an extended piece of writing in a selected style.	4
AS 90725	I	Oral Presentation.	4
AS 90726	I	Research	4
US 8834	I	Theme Study.	6

**I means the Standard is assessed internally.**

#### **What will I learn?**

To build on the communication and language skills taught in previous English courses. These skills include understanding and presenting moving images, assessing and creating written texts, creating and presenting an oral text.

#### **How will I learn?**

This course is taught in thematic units which develop the skills assessed in the standards offered. The standards offered may vary according to the needs of students in the class. Many of them will be Level 2 standards.

#### **What should I have already done?**

This course follows on from English at Year 12 level or Level 2 English. It is intended for those Year 13 students who would have difficulty coping with a full Level 3 achievement standard course with external assessments. Entry to this course depends on teacher recommendation.

#### **Where does the subject lead?**

To the Level 3 English Achievement Standards course.

#### **How is the course assessed?**

Internally using Achievement and Unit Standards.

#### **Other details: (costs, field trips etc)**

Stationery: 1B8 exercise book, A4 ring binder with dividers, refill.

#### **End of course qualifications.**

Credits towards the National Certificate of Educational Achievement Level 2 and 3.

<b>Subject:</b>	<b>Design and Visual Communication</b>		
<b>NCEA Level:</b>	<b>Three</b>		
<b>Teacher to Contact:</b>	<b>Mrs K Paraone</b>	<b>Code: DVC330</b>	

<b>Standard</b>		<b>Title</b>	<b>Credits</b>
AS 90734	E	Negotiate a brief and a solution by applying a design process.	5
AS 90735	E	Plan and produce a presentation to communicate design ideas.	4
AS 90736	I	Develop and communicate a solution to an architectural or environmental design brief.	5
AS 90737	I	Develop and communicate a solution to an engineering or technological design brief.	5
AS 90738	I	Develop and communicate a solution to a media or technical illustration design brief.	5

**E means the Achievement Standard is assessed externally at the end of the year.  
I means the Achievement Standard is assessed internally.**

#### **What will I learn?**

Students will continue to learn about Design and Visual Communication in a range of possible areas such as Product Design, Architectural, Interior Design, Environmental Design, Fashion Illustration and Media Design.

#### **How will I learn?**

Students will cover a range of activities and find individual solutions to design briefs.

#### **What should I have already done?**

A satisfactory result in NCEA Level 2 Graphics.

#### **Where does the subject lead?**

The work produced throughout this course can be used to form a portfolio for University and Polytechnic course applications. Courses such as Industrial Design, Architecture, Engineering, Television and Stage Set Design, Media Arts, Fashion Illustration, Interior Design.

#### **Other details: (costs, field trips etc)**

Course fee: \$30.00

Stationery: Graphics pack (if purchased in Year 10 students do not need to get another one)

#### **End of course qualifications.**

Level 3 credits towards the National Certificate of Educational Achievement, subject endorsed.

<b>Subject:</b>	<b>Digital Technologies</b>		
<b>NCEA Level:</b>	<b>Three</b>		
<b>Teacher to Contact:</b>	<b>Mrs S Nolan</b>	<b>Code: DGT330</b>	

Standard		Title	Credits
US 112	I	Produce information using word processing functions.	5
US 2785	I	Create a computer spreadsheet to provide a solution for organisation use.	5
US 2787	I	Produce a computer flat file database to provide solutions for organisation use.	6
US 2789	I	Produce desktop published documents for organization use.	6
US 2797	I	Demonstrate knowledge of the principles of computer networks.	4
US 5956	I	Create images using a computer.	3
US 12886	I	Customise software features to manipulate text for generic text and information management.	6
US 25268	I	Create a website for a stakeholder using a dedicated web-authoring tool.	5

**I means the Unit Standard is assessed internally.**

### **What will I learn?**

To further enhance ability to input and manipulate information and create and present words and images in a variety of ways to produce digital media which have visual appeal using applications in order to communicate efficiently with the intended audience.

Individual programmes of work are negotiated at the beginning of the year depending on the student's prior knowledge. The above standards are an example of what is available for students to attempt. It is anticipated that students will work through relevant units of work according to their needs at a pace which suits their skill level and ability. It is not intended that students complete all the standards listed above.

### **How will I learn?**

Practical and theoretical use of computers covering Microsoft Word, Excel, Access, Publisher, Dreamweaver, Photoshop Illustrator and the Internet.

### **What should I have already done?**

Level 2 Digital Technologies or similar.

### **Where does the subject lead?**

Successful students may go onto University and Tertiary qualifications.

### **How is the course assessed?**

Internally assessed Unit Standards.

### **Other details: (costs, field trips etc)**

Course fee: \$30.00

Stationery: One Clear file (40 page)

### **End of course qualifications.**

Credits towards the National Certificate of Educational Achievement Level 3.

National Certificate in Computing Level 3 (excludes US12886).

<b>Subject:</b>	<b>Drama</b>
<b>NCEA Level:</b>	<b>Three</b>
<b>Teacher to Contact:</b>	<b>Ms V Smith</b>
	<b>Code: DRA330</b>

Standard		Title	Credits
AS90608	I	Interpret scripted text and integrate drama techniques in solo or paired performance	5
AS90609	I	Devise, script and perform drama for solo, duo or trio performance	5
AS90610	E	Demonstrate knowledge of theatre form or period by analysing and interpreting two scripted texts.	4
AS90611	I	Research and carry out a performance or technical/ production role in a significant production	6
AS90612	E	Analyse drama processes in a new context and reflect critically on a drama performance.	4

**E means the Achievement Standard is assessed externally at the end of the year.  
I means the Achievement Standard is assessed internally.**

#### **What will I learn?**

Students will learn to create, act and interact in a variety of ways and with increasing control over their body with movement and within space. They will perform, analyse and respond while gaining a deeper appreciation of their rich cultural heritage and whilst examining attitudes, behaviours and values.

#### **How will I learn?**

Learning is primarily through active participation: performing, speaking, moving, viewing, communicating and interpreting. Group discussions and individual reflections recorded in journal logs will also be an important part of the process.

#### **What should I have already done?**

NCEA Level 1 and 2 is strongly advised.

#### **Where does this subject lead?**

This subject leads to Level 2 Drama. It will give students greater confidence with performance and communication skills as well as enhancing their creative capacities which will serve them well in any future field of employment. More specifically it will provide skills for use in the entertainment industry.

#### **How is the course assessed?**

Assessment is internal and will be based primarily on performance skills but success will be dependent upon attendance, commitment, participation, group discussions, journal reflections and work habits. To meet assessment requirements there will need to be some commitment of time outside of classroom hours for rehearsals and to practice skills.

#### **Other details: (costs, field trips, etc)**

There will be several trips to watch professional theatre.  
Stationery: A journal

#### **End of Course qualifications**

Credits towards the National Certificate of Educational Achievement Level 3.

<b>Subject:</b>	<b>Economics</b>		
<b>NCEA Level:</b>	<b>Three</b>		
<b>Teacher to Contact:</b>	<b>Ms A Brown</b>	<b>Code: ECO330</b>	

<b>Standard</b>		<b>Title</b>	<b>Credits</b>
AS 90629	E	Understand marginal analysis and the behavior of firms.	5
AS 90630	E	Describe an economic problem, allocative efficiency and market response to change.	4
AS 90631	E	Describe market failure and government interventions to correct market failure.	4
AS 90632	I	Describe aggregate economic activity.	6
AS 90778	I	Collect and process information and carry out an economic analysis.	3

**E means the Achievement Standard is assessed externally at the end of the year.  
I means the Achievement Standard is assessed internally.**

#### **What will I learn?**

Students will learn about theoretical framework used for decision making by consumers, producers and Government. They will attain a level of economic literacy and understanding which will allow them to develop a continuing interest in contemporary economic issues.

#### **How will I learn?**

By developing the skills of reasoning by means of analytical techniques and by presentation and interpretation of economic data and arguments.

#### **What should I have already done?**

It is possible to do Level 3 without Level 2 Economics since the course is self contained but an economic background is preferred.

#### **Where does the subject lead?**

There is a natural follow through to tertiary study in commerce and it is also encouraged as an adjunct in a wide range of fields.

#### **How is the course assessed?**

Three Achievement Standards are assessed externally and the remaining two Achievement Standards will be internally assessed.

#### **Other details: (costs, field trips etc)**

Stationery: Lined refill pad and ring binder, Write-on-Notes \$16.50.

#### **End of course qualifications.**

Credits towards the National Certificate of Educational Achievement Level 3.

<b>Subject:</b>	<b>English</b>
<b>NCEA Level:</b>	<b>Three</b>
<b>Teacher to Contact:</b>	<b>Mrs S Oliver</b> <b>Code: ENG332</b>

<b>Standard</b>		<b>Title</b>	<b>Credits</b>
AS 90720	I	Produce and extended piece of writing in a selected style.	4
AS 90721	E	Respond critically to written text(s) studied.	4
AS 90723	E	Respond critically to oral or visual text studied.	4
AS 90724	E	Respond critically to unfamiliar prose and poetry texts.	2
AS 90725	I	Construct and deliver an oral presentation.	3
US 8834	I	Investigate a theme and evaluate the outcome.	6

**E means the Achievement Standard is assessed externally at the end of the year.**

**I means the Standard is assessed internally.**

#### **What will I learn?**

Literature studies: Language study.

#### **How will I learn?**

By participating in units of work based on written and visual literary texts and on language topics.

#### **What should I have already done?**

Level 2 English with success in at least achievement standards 90376, 90377, 90379, 90380. Acceptance into this course will also depend on teacher recommendation.

#### **Where does the subject lead?**

Tertiary institutions, competency in understanding the functions of language, literate membership of society.

#### **How is the course assessed?**

Internal achievement standards throughout the year.  
External standards in national examination in November.

#### **Other details: (costs, field trips etc)**

Stationery: 1B8 exercise book, A4 ring binder with dividers, refill pad.

#### **End of course qualifications.**

Credits towards the National Certificate of Educational Achievement Level 3.

<b>Subject:</b>	<b>Geography</b>
<b>NCEA Level:</b>	<b>Three</b>
<b>Teacher to Contact:</b>	<b>Mrs K Kitchingman      Code: GEO330</b>

<b>Standard</b>		<b>Title</b>	<b>Credits</b>
AS 90701	E	Analyse a natural process in the context of a geographic environment.	4
AS 90702	E	Analyse a cultural process.	4
AS 90704	E	Select and apply skills and ideas on a geographic context.	4
AS 90706	I	Analyse a contemporary geographic issue and evaluate courses of action.	3
AS 90707	I	Analyse a geographic topic at a global scale.	3

**E means the Achievement Standard is assessed externally at the end of the year.  
I means the Achievement Standard is assessed internally.**

### **What will I learn?**

NCEA Level 3 Geography is about the processes that go on in the world today. We look at the natural coastal environment and the processes that occur there and at tourism as a cultural process and the factors involved in tourism development. Global Studies and the Geographic Issue are based around tourism to further extend knowledge of tourism as a cultural process.

### **How will I learn?**

Field work is an integral part of the course. Learning activities include videos, books, newspapers, discussion, individual and group research and assignments.

### **What should I have already done?**

Students need to have at least 12 NCEA Level 2 Geography credits, in order to complete this course successfully. It is possible to pick up Level 3 Geography for the first time in Year 13 however students will need to have passed a Level 2 Achievement Standards English course and entry will be at the discretion of the teacher. Attitude, work habits and attendance all play a part in acceptance to this course.

### **Where does the subject lead?**

This course leads directly to Geography at university and is recognised as a useful qualification for a wide range of careers, including tourism, planning and environmental studies.

### **How is the course assessed?**

The course is assessed by internal and external achievement standards. See the table above for details.

### **Other details: (costs, field trips etc)**

Local field trips are an integral part of this course and are compulsory.  
Stationery: Lined refill pad, folder, ruler and coloured pencils.

### **End of course qualifications.**

Credits towards the National Certificate of Educational Achievement Level 3.

<b>Subject:</b>	<b>Mathematics</b>
<b>NCEA Level:</b>	<b>Three</b>
<b>Teacher to Contact:</b>	<b>Mr D Kitchingman</b> <b>Code: MAT330</b>

Standard		Title	Credits
AS 90635	E	Differentiate and use derivatives to solve problems.	6
AS 90636	E	Integrate functions and solve problems by integration, differential equations and numerical methods.	6
AS 90637	I	Solve problems and equations involving trigonometric functions.	4
AS 90638	E	Manipulate real and complex numbers solve equations.	5
AS 90639	E	Sketch graphs and find equations of conic sections.	3

**E means the Achievement Standard is assessed externally at the end of the year.  
I means the Achievement Standard is assessed internally.**

#### **What will I learn?**

This course continues and extends the work of Level 2 on Algebra, Co-ordinate Geometry, Trigonometry and Calculus. About half of the course is Calculus.

#### **How will I learn?**

This is a theoretical course with time spent in class and at home working on problems.

#### **What should I have already done?**

Achieved NCEA Level 2 Mathematics with at least fourteen credits, seven of which must be from 90284, 90285, 90286.

#### **Where does the subject lead?**

This course is suitable for those students with a mathematical interest or for those intending to study Mathematics, Sciences, Economics or Engineering at University.

#### **How is the course assessed?**

Progress through the year is monitored by tests, assignments, examinations and one standard by internal assessment. Four standards are assessed by an external examination at the end of the year. Unit standards may be offered.

#### **Other details: (costs, field trips etc)**

A graphics calculator and study guide are essential.  
Stationery: 1J5 exercise book.

#### **End of course qualifications.**

Credits towards the National Certificate of Educational Achievement Level 3.

<b>Subject:</b>	<b>Physical Education</b>	
<b>NCEA Level:</b>	<b>Three</b>	
<b>Teacher to Contact:</b>	<b>Ms J Dreadon</b>	<b>Code: PED330</b>

<b>Standard</b>	<b>Title</b>	<b>Credits</b>
AS 90739	Apply knowledge to plan a physical activity, programme or experience	3
AS 90740	Explain, with evidence, the effectiveness of a physical activity programme	3
AS 90742	Perform a physical activity to nationally developed performance standards	4
AS 90743	Examine a current physical activity, trend or issue impacting on New Zealand society	4
AS 90744	Examine physical activity and take action to influence the participation of others	5

**I means the Achievement Standard is assessed internally.**

#### **What will I learn?**

You will learn how to plan a physical activity programme and evaluate a personal activity programme. Be assessed against national standards. Also you will look at ways of increasing the school's participation in physical activity.

#### **How will I learn?**

By working through up to five achievement standards in a practical and theoretical way.

#### **What should I have already done?**

Ideally Level 2 NCEA PE in which you achieved 14 or more credits. Through consultation with Careers department and HOD PE it may be possible to take this course in special circumstances.

#### **Where does the subject lead?**

Leads to tertiary education or a career in Sport or Recreational Studies.

#### **How is the course assessed?**

All five achievement standards will be internally assessed.

#### **Other details: (costs, field trips etc)**

Some extra costs may happen due to trips or workbooks.

#### **End of course qualifications.**

Credits towards the National Certificate of Educational Achievement Level 3.

<b>Subject:</b>	<b>Physics</b>
<b>NCEA Level:</b>	<b>Three</b>
<b>Teacher to Contact:</b>	<b>Mr S McDonald</b> <b>Code: PHY330</b>

Standard		Title	Credits
AS 90520	E	Demonstrate understanding of wave systems.	4
AS 90521	E	Demonstrate understanding of mechanical systems.	6
AS 90522	E	Demonstrate understanding of atoms, photons and nuclei.	3
AS 90523	E	Demonstrate understanding of electrical systems.	6
AS 90744	I	Carry out a practical investigation that leads to a mathematical relationship.	5

**E means the Achievement Standard is assessed externally at the end of the year.  
I means the Achievement Standard is assessed internally.**

#### **What will I learn?**

The course involves the study of:

Measurement and Uncertainty, Translational Motion, Circular, Rotational and Oscillatory Motion, Waves, Direct Current Electricity, Altering Current, Capacitors and Inductors, Photo Electric Effect, Atomic Line Spectra, Electronics, Nuclear Reactions.

#### **How will I learn?**

Reading, note taking, practical experiments, careful observation, discussion, linking ideas, graphical interpretation, problem solving and presentation.

#### **What should I have already done?**

Fourteen or more credits at Level 2 Physics and 14 credits at Level 2 Mathematics with AS 90284 (Algebra) Achieved or above.

#### **Other details: (costs, field trips etc)**

Stationery: Course notes approximately \$25.

#### **End of course qualifications.**

Credits towards the National Certificate of Educational Achievement Level 3.

<b>Subject:</b>	<b>Sports Leadership</b>		
<b>NCEA Level:</b>	<b>Three</b>		
<b>Teacher to Contact:</b>	<b>Ms J Dreadon</b>	<b>Code: SPL330</b>	

<b>Standard</b>		<b>Title</b>	<b>Credits</b>
AS 90742	I	Perform a physical activity to nationally developed performance standards	4
AS 90744	I	Examine physical activity and take action to influence the participation of others	5
US12534	I	Apply knowledge and skills in an individual sport	4
US 12536	I	Plan, implement and review a physical activity event	4
US 12554	I	Carry out an investigation into leisure participation	4

**I means the Achievement Standard is assessed internally.**

#### **What will I learn?**

The course will be for those people who do not want to do a full Level 3 Physical Education course. This course will be practical but will also cover theoretical content looking at basic anatomy, skill learning, sports leadership, sports officiating and sporting organisation.

#### **How will I learn?**

You will learn through sports leadership skills at sporting events, and through classroom activities covering some theoretical units.

#### **What should I have already done?**

There are no pre-requisites for this course other than a keen interest in sporting activities.

#### **Where does the subject lead?**

A successful year's work in this course could further lead to NCEA Level 3 Physical Education.

#### **End of course qualifications**

Credits towards the National Certificate of Educational Achievement, Level 3.

<b>Subject:</b>	<b>Statistics and Modelling</b>		
<b>NCEA Level:</b>	<b>Three</b>		
<b>Teacher to Contact:</b>	<b>Mr D Kitchingman</b>	<b>Code: SAM330</b>	

<b>Standard</b>		<b>Title</b>	<b>Credits</b>
AS 90641	I	Determine the trend for time series data.	3
AS 90642	E	Calculate confidence intervals for population parameters.	3
AS 90643	E	Solve straightforward problems involving probability.	4
AS 90644	E	Solve equations	4
AS 90645	I	Complete a statistical investigation involving bi-variate data.	3
AS 90646	E	Use probability distribution models to solve problems.	4
AS 90647	I	Use mathematical models involving curve fitting to solve problems.	3

**E means the Achievement Standard is assessed externally at the end of the year.  
I means the Achievement Standard is assessed internally.**

#### **What will I learn?**

Approximately two thirds of the course is Statistics and Probability, the rest is finding mathematical models for situations.

#### **How will I learn?**

Students will develop their mathematical skills by working on problems in class. Regular homework is essential to complete all aspects of this course. Assignments are required for internal assessment during the year.

#### **What should I have already done?**

Achieved NCEA Level 2 Mathematics with at least 14 credits.

#### **Where does the subject lead?**

If students plan to take Mathematics, Economics, Biology, Accountancy, Geography, Engineering or Medicine or any other discipline that requires statistics at a tertiary level, then they would benefit from this course. It would be an appropriate background to any job that involves practical applications for any of the above topics.

#### **How is the course assessed?**

Four of the standards are assessed in a three hour external exam at the end of the year worth a total of 15 credits. The other three are internally assessed standards worth a total of 9 credits.

#### **Other details: (costs, field trips etc)**

A graphics calculator and a study guide are essential.  
Stationery: 1J5 exercise book.

#### **End of course qualifications.**

Credits towards the National Certificate of Educational Achievement Level 3.

<b>Subject:</b>	<b>Te Reo Maori</b>	
<b>NCEA Level:</b>	<b>Three</b>	
<b>Teacher to Contact:</b>	<b>Mrs N Smith</b>	<b>Code: REO330</b>

Standard		Title	Credits
AS 90542	I	Whakarongo i te reo o tona ao whanui	6
AS 90543	I	Korero i re reo o tona ao whanui	6
AS 90545	E	Tuhituhi i te reo o tona ao whanui	6
AS 90783	I	Hanga tuhinga auaha i te reo o te a o whanui	4
AS 90781	E	Panui kia whai maramatanga i te reo o te ao whanui	3
AS 90784	E	Panui kia whai maramatanga i te reo o te ao whanui	3

**E means the Standard is assessed externally at the end of the year.**

**I means the Standard is assessed internally.**

### **What will I learn?**

Candidates will demonstrate their ability to:

- Speak Maori accurately and appropriately
- Comprehend spoken Maori
- Comprehend written Maori
- Research, analyse, speak and write their thoughts on Te Ao Maori and Tikanga Maori.
- Write Maori accurately.

### **How will I learn?**

Maori Club, Waiata, Marae visits, speaking Maori all the time, Ataarangi method of learning, kaumatua visiting our classes. Ongoing lessons. Internet, online learning through THM. Nga Manu Korero Speech competitions.

### **What should I have already done?**

Level 1 and Level 2 Te Reo Maori.

### **Where does the subject lead?**

University, Polytechnics, Teachers' College.

### **How is the course assessed?**

The examination will consist of an oral component lasting up to 30 minutes and a written component lasting 90 minutes and an aural component lasting 30 minutes.

Full participation in Manu Korero is recommended. Te Ao Maori project externally assessed. Maori club participation is encouraged. Oral and written tests, research projects.

### **Other details: (costs, field trips etc)**

Events of particular relevance to the course. Manu Korero regional competition. Te Tai Tokerau Secondary Schools Festival.

### **End of course qualifications.**

Credits towards the National Certificate of Educational Achievement Level 3.

<b>Subject:</b>	<b>Te Reo Rangatira</b>		
<b>NCEA Level:</b>	<b>Three</b>		
<b>Teacher to Contact:</b>	<b>Mrs N Smith</b>	<b>Code:</b>	<b>REO332</b>

<b>Standard</b>		<b>Title</b>	<b>Credits</b>
AS 90784	I	Whakarongo kia tu pakari ai.	4
AS 90785	I	Korero kia tu pakari ai.	4
AS 90786	E	Panui kia tu pakari ai.	4
AS 90787	E	Tuhituhi kia tu pakari ai.	4
AS 90788	E	Matakitaki kia tu pakari ai.	4
AS 90789	E	Whakaatu kia tu pakari ai.	4

**E means the Achievement Standard is assessed externally at the end of the year.**

**I means the Achievement Standard is assessed internally.**

### **What will I learn?**

Candidates will demonstrate their ability to:

- Speak Maori accurately and appropriately
- Comprehend spoken Maori
- Comprehend written Maori
- Research, analyse, speak and write their thoughts on Te Ao Maori and Tikanga Maori.
- Write Maori accurately.

### **How will I learn?**

Maori Club, Waiata, Marae visits, speaking Maori all the time, Ataarangi method of learning, kaumatua visiting our classes. Ongoing lessons. Internet, online learning through THM. Nga Manu Korero Speech competitions.

### **What should I have already done?**

Level 1 and Level 2 Te Reo Rangatira.

### **Where does the subject lead?**

University, Polytechnics, Teachers' College.

### **How is the course assessed?**

The examination will consist of an oral component lasting up to 30 minutes and a written component lasting 90 minutes and an aural component lasting 30 minutes.

Full participation in Manu Korero is recommended. Te Ao Maori project externally assessed.

Maori club participation is encouraged. Oral and written tests, research projects. Leader of the Kapa Haka.

### **Other details: (costs, field trips etc)**

Events of particular relevance to the course. Manu Korero regionals. Tai Tokerau Secondary Schools Festival.

### **End of course qualifications.**

Credits towards the National Certificate of Educational Achievement Level 3.

<b>Subject:</b>	<b>Tourism</b>
<b>NCEA Level:</b>	<b>Three</b>
<b>Teacher to Contact:</b>	<b>Mr R Newport</b>
<b>Code:</b>	<b>TOU330</b>

Standard		Title	Credits
US 24733	I	Describe and promote a New Zealand Tourist destination .	4
US 3727	I	Demonstrate knowledge of the Pacific Islands as a tourist destination.	8
US 18211	I	Demonstrate knowledge of Australia as a tourist destination.	8
US 24725	I	Describe and analyse the economic significance of tourism.	4

**I means the Unit Standard is assessed internally.**

### **What will I learn?**

This programme is an in depth study of the tourist industry in relation to specific regions in the South Pacific. It covers New Zealand, the Pacific Islands and Australia as destinations for tourists. It looks at the geography of the region, activities tourists would do, what facilities are available and how to access them.

### **How will I learn?**

Learning activities include discussion, books, newspapers, videos, maps and models and the internet.

### **What should I have already done?**

Geography at NCEA Level 2 and or Tourism NCEA Level 2. An interest in the tourist industry as a career direction would be of assistance.

### **Where does this subject lead?**

The Unit Standards taught in this programme are part of the National Certificate in Tourism Level 3. These Unit Standards are industry based and are therefore leading to Level 4 Tourism programmes taught by polytechnics and private providers.

### **How is the course assessed?**

This course is assessed through tasks and project work which is part of the programme workbook, as each Unit Standards is completed there is an assessment task to complete.

### **Other details: (costs, field trips etc.)**

This course is STAR funded. Workbooks are supplied and fieldtrip costs are covered by the STAR fund.

### **End of course qualifications.**

Credits towards the National Certificate in Tourism Introductory Skills.

Credits towards the National Certificate of Educational Achievement Level 3.

<b>Subject:</b>	<b>Visual Arts</b>
<b>NCEA Level:</b>	<b>Three</b>
<b>Teacher to Contact:</b>	<b>Mr B Birchall</b>
	<b>Code: ART330</b>

Standard		Title	Credits
AS 90663	I	Research an art making tradition and discuss its links to relevant recent (design, printmaking, sculpture) practice.	6
AS 90665	I	Investigate and use ideas and methods in the context of a drawing study in design, painting, printmaking, sculpture.	6
AS 90667	E	Produce original work within design, painting, print-making, sculpture, to show extensive knowledge of art-making methods and ideas.	14

**E means the Achievement Standard is assessed externally at the end of the year.**

**I means the Achievement Standard is assessed internally.**

A selection from the above achievement standards will form the course. At least 24 credits will be available.

### **What will I learn?**

This is a practical course of study with the emphasis on a high level of personal development and maturity in selected media. Students will study the works of artists and use this study as a basis for personal development. At this level students will be expected to take responsibility for setting their own goals and systematically developing their own work.

### **How will I learn?**

This is now a single Level 3 subject. You are permitted to enter in one or two of the four Practical Art subjects offering from Design, Print-making, Painting or Sculpture. Drawing is required to be covered in each of these subjects.

### **What should I have already done?**

NCEA Level 1 and 2 Art with an achieved grade. If not, students could discuss with the Head of the Art Department and submit some of their work for assessment.

### **Where does the subject lead?**

To study Art and Design at a Polytechnic, University, Art School or Community College. An appreciation of Art is a valuable asset in many vocations.

### **How is the course assessed?**

The course is both internally and externally assessed. A presentation portfolio showing work from your selected area of study is required for the external assessment standard.

### **Other details: (costs, field trips etc)**

Stationery: Year 13 Art pack – approximately \$65.

An Art fee of \$35 is payable upon enrolment for basic materials but additional materials will need to be covered by the student. Trips to exhibitions and galleries will be expected to be undertaken in the student's own time.

### **End of course qualifications.**

Credits towards the National Certificate of Educational Achievement Level 3.