

OKAIIHAI
COLLEGE

NCEA Level 3
Curriculum
Handbook

2023

INTRODUCTION

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

We offer a 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 Level 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 Curriculum Handbook is to provide students, parents and caregivers with a complete and clear view of could be available to 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 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 the Career's Advisor, Academic Counsellor or Deputy Principals.

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.



Thomas Davison
Principal

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 and Statistics, Sciences, Social Sciences, Technology, Health and Physical Education, and the 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, followed by Level 2 then Levels 3 and 4. 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 Learning. Wherever students go and whatever they learn, they can keep adding to their Record of Learning throughout their lives.
- Two types of standards are available: Unit Standards and Achievement Standards.

Record of Learning

Once a student meets the required level (in an Achievement Standard or Unit Standard), credits for the standard are added to his or her Record of Learning. 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 Learning. The Record of Learning is unable to be used officially if the fee has not been paid.

Students' achievements in Achievement Standards or Unit Standards are added during the year; these are also noted on a student's academic file in Kamar (our Student Management System). This information is accessible to students and whanau via our on-line portal, accessed via the Okaihau College website.

Costs for Students

As of April 2019, there is no cost for students to obtain NCEA Level 1, 2 or 3.

A Message to all Intending Students

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

Structure at Senior School

- Year 11 Science, English, and Mathematics are compulsory unless you choose POD. Students then choose three other subjects.
- Year 12 Students choose six subjects. Students need to align their options choices with their interests, abilities, and possible future career choices.
- Year 13 No subjects are compulsory; students choose 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, Pou, Deans and Whanau Teachers.

The Careers Advisor, Academic Counsellor or Deputy Principals are always able to help. Appointments can be made for an interview at any stage during the year.

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

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.

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 several credits. When a student is credited with an Achievement Standard, this is added to their Record of Learning held on a database at the New Zealand Qualifications Authority. This Record of Learning will hold the results obtained throughout the students' lifetime.
- When a student has gained enough credits at a level, they can apply for 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

For an NCEA Level 1 Certificate, at least ten credits must come from literacy (reading and writing in English / Te Reo) and ten from numeracy. For an NCEA Level 2 Certificate, students must have met the NCEA Level 1 Literacy and Numeracy requirements.

- 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 the student is competent in both forms of assessment.
- Some subjects will also offer Unit Standards. The credits from Unit Standards will also count towards NCEA. The result for each can only be Not Achieved or Achieved.
- Credits from some subjects can be used for other certificates such as the National Certificate in Computing.
- Students studying at NCEA Level 3 also can sit scholarship exams. These exams enable students to be assessed against challenging standards and are designed for the ablest students in each subject. Most of the approved subjects are available for scholarship in 2022.

YEARS 12 AND 13 COURSE ENTRY GUIDELINES

In 2022 entry to NCEA Level 2 and NCEA Level 3 will be on a subject-by-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 2021 before selecting subjects.

Entrance to University 2023

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. Each university and university course have different entry level requirements.

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.

New Zealand Qualifications Authority (NZQA) and the Council of the Universities have agreed that the 2022 intake of students will be considered for entrance to a university in New Zealand if they have obtained:

- Achievement of NCEA Level 3 (60 credits at Level 3 or higher and 20 credits at Level 2 or higher).
- 14 credits in each of three subjects from the list of approved subjects.
- University Entrance Numeracy – ten credits at Level 1 or above from specified Achievement Standards through a range of subjects or three specific numeracy Unit Standards.
- University Entrance Literacy – ten credits (five in reading and five in writing) from (a) specific Level 2 / 3 Standards, or specific Te Reo Maori standards or (b) two specific Level 4 English for academic purposes Unit Standards.

More specific information is available from our Career's Advisor.

Subject:	Art (Painting / Print Making)		
NCEA Level:	Three		
Teacher to Contact:	Mrs C Perrin	Code: ART330	

Students may choose from the options below;

Option 1: University Entrance Art Painting / Printmaking / Design External Folio

Standard		Title	Credits
AS 91441 AS 91443	I	Analyse methods and ideas from established painting / printmaking practice.	4 4
INTERNAL AS 91451 AS 91453	I	Systematically clarify ideas using drawing informed by established painting / printmaking practice.	4 4
EXTERNAL AS 91456 AS 91458	E	Produce a systematic body of work that integrates conventions and re-generates ideas within painting/printmaking practice.	14 14

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

How will I learn?

Students will select the field of their choice for the year. Fields of practice include painting, printmaking or drawing. Students who are more confident in drawing than the above choices may (with certain conditions) submit a drawing folio under the field of painting. Students will then systematically work through a series of tasks that develop, refine and extend skills. This is student directed.

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 their own theme development. At this level, students will be expected to take responsibility for setting their own goals and systematically developing their own work. Students must manage their time effectively to complete work by deadlines.

Option 2: Internal Achievement Standards - Produce an artwork for the school

Standard		Title	Credits
AS 91441 AS 91443	I	Analyse methods and ideas from established painting / printmaking practice.	4 4
AS 91446 AS 91648	I	Use drawing to demonstrate understanding of conventions appropriate to painting / printmaking.	4 4
AS 91451 AS 91453	I	Systematically clarify ideas using drawing informed by established painting / printmaking practice.	4 - 7

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

How will I learn?

This course is ideal for students who are new to art. Students will select a genre of art that they are interested in. Fields include painting, printmaking or drawing. Students may work individually or as a group to systematically work through a series of tasks that will generate, develop and clarify ideas into a finished work. This is largely student directed.

What will I learn?

This is a mainly a practical course of study that begins with research and generation of ideas within a selected genre of art. Students will study the works of artists and use this as a basis for idea development, resulting in a finished artwork for the school. There is the opportunity to gain **16 credits** in this subject by developing work through the last achievement standard above.

At this level, students will be expected to take responsibility for setting their own goals and systematically developing their own work. Students must manage their time effectively to complete work by deadlines.

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 Learning Area - Arts 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 an asset in many vocations.

How is the course assessed?

The course is both internally and externally assessed. A three-panel portfolio is required for the external assessment standard.

Other details (costs, field trips etc):

Painting: \$50.00.

Printmaking: \$50.00

Art Design Illustration:\$50.00

It is expected that students commit an extra four hours per week of their own time to work on their art.

End of course qualification:

Credits towards the National Certificate of Educational Achievement Level 3.

Possible Career Options:

Illustrator / animator, art teacher, web and game designer, costume and set designer, professional artist, fashion, interior design, printmaker, jeweller, art consultant, art restorer, make-up artist.

Subject:	Art Design
NCEA Level:	Three
Teacher to contact:	Mrs S Beggs
	Code: ADS330

Standard		Title	Credits
AS91440	I	Analyse methods and ideas from established design practice.	4
AS91445	I	Use drawing to demonstrate understanding of conventions appropriate to design	4
AS91450	I	Systematically clarify ideas using drawing informed by established design practice	4
AS91455	E	Produce a systematic body of work that integrates conventions and regenerates ideas within design practice	14
AS91460	I	Produce a resolved work that demonstrates purposeful control of skills appropriate to a visual arts cultural context	4

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

How will I learn?

A selection of both traditional and digital learning opportunities will be offered to students to allow them to explore a range of options to use in their artworks. Students will work through a process of 'Design Thinking' that provides a framework that allows students to solve problems.

What will I learn?

Students will learn how to contextualise a design brief, using a wide range of visual styles that they have developed. The students will be taught to use a range of viewpoints to provide options for development of the subject matter, exploring conventions of typography in relation to text hierarchy and contemporary established practice for design, and a change in scale of elements within the design work to show their control of media.

What should I have already done?

Preferably, you will have completed NCEA Design level 2. Admission to the course is on the recommendation of the subject teacher.

Where does this subject lead?

The work produced throughout this course can be used to form a portfolio for University and Polytechnic course applications.

How is this course assessed?

Both internally and externally. A three-panel portfolio is submitted for the external assessment.

Other details (stationery, costs, field trips etc):

Stationery: Visual Diary and an A3 Clear file.

End of year course qualification:

Credits towards the National Certificate of Educational Achievement Level 3.

Possible Career Options:

Graphic Designer, Illustrator/Animator, Web/game creator, Advertising, Professional Artist, Interior Designer, Printmaker, Art consultant, Art restorer.

Subject:	Biology
NCEA Level:	Three
Teacher to Contact:	Miss M Hancock Code: L3BIO

Standard		Title	Credits
AS 91601	I	Carry out a practical investigation in a biological context, with guidance.	4
AS 91602	I	Integrate biological knowledge to develop an informed response to a socio-scientific issue.	3 R / W
AS 91603	E	Demonstrate an understanding of the responses of plants and animals to their external environments.	5 R / W
AS 91604	I	Demonstrate understanding of how an animal maintains a stable internal environment.	3 R
AS 91605	E	Demonstrate understanding of evolutionary processes leading to speciation.	4 R / W
AS 91606	E	Demonstrate understanding of trends in human evolution.	4 R / W
AS 91607	I	Demonstrate understanding of human manipulations of genetic transfer and its biological implications.	3 R

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

I means the Standard is assessed internally.

R means the credits count towards University Entrance Literacy - Reading.

W means the credits count towards University Entrance Literacy - Writing.

What will I learn?

Students will discuss with their teacher a pathway based on the standards above. At Level 3, students will choose to undertake 14 credits plus one standard. The course may cover: genetics and evolution, homeostasis, responses of plants and animals, genetic technologies, applied biology and creating responses to contemporary biological issues.

How will I learn?

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

What should I have already done?

You should have achieved at least three Biology standards at NCEA Level 2 otherwise entry is by application to the Head of Science and the Teacher in Charge of Biology.

Where does the subject lead?

It is a pre-requisite for courses at tertiary level, including Polytechnics and Universities. Level 3 Biology is also seen as an asset for entry into many careers.

How is the course assessed?

Both internal and external standards.

End of course qualification:

Credits towards the National Certificate of Educational Achievement Level 3.

Possible career options:

Medicine, nursing, conservation officer, wildlife protection, veterinary science, animal breeding, genetic science.

Subject:	Chemistry		
NCEA Level:	Three		
Teacher to Contact:	Mrs J Davidson	Code:	L3CHE

Standard		Title	Credits
AS 91388	I	Demonstrate understanding of spectroscopic data in chemistry.	3
AS 91390	E	Demonstrate understanding of thermochemical principles and the properties of particles and substances.	5
AS 91391	E	Demonstrate understanding of the properties of organic compounds.	5
AS 91393	I	Demonstrate understanding of oxidation-reduction processes.	3
AS 91392	E	Demonstrate an understanding of equilibrium principles in aqueous systems.	5
AS 91389	I	Demonstrate an understanding of chemical processes in the world around us.	3

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

I means the Achievement Standard is assessed internally.

The first four Achievement Standards (16 credits) are compulsory.

Depending on the needs of the students, they may also do AS91389 (I) or AS91392 (E).

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; organic chemistry and spectroscopic analysis.

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 and link theory to practical situations.

What should I have already done?

Entry is by application to Mrs Davidson.

Where does the subject lead?

Many subjects at the tertiary level in the area of the Chemical Sciences as well as health, environmental areas and engineering. It will enrich students understanding and appreciation of the 'material world' and its association with the other sciences.

How is the course assessed?

During the year by assignments, tests, practical assessments 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 and three write-on lab books for \$45.00.

End of course qualification:

Credits towards the National Certificate of Educational Achievement Level 3.

Possible Career Options:

Biochemist, environmental scientist, chemical engineer, DoC worker, agriculturist, horticulturist, pharmacist, doctor, health practitioner, veterinarian, vet nurse and engineering.

Subject:	Construction		
NCEA Level:	Three		
Teacher to Contact:	Mr P Woodward	Code: L3CST	

Standard	Title	Credits
US 29684	I Undertake a Stage 3 BCATS project.	12

I means the Unit Standard is assessed internally.

These Unit Standards are taken from the BCITO (Building Construction Industry Training Organisation) pre-apprenticeship programme. Students will have a course that is based around developing one specific project. This single project offers opportunity for a variety of other more specific standards to be incorporated into the programme.

What will I learn?

To apply and use a range of woodworking skills and processes used in the building and construction industry.

How will I learn?

Standards are arranged to augment projects that students will work on. Units are used at specific points throughout the development of the project to complement each stage of the process and to clarify necessary skills and understandings.

What should I have already done?

Students will need to have successfully completed NCEA Level 1 and NCEA Level 2 programmes in Construction before attempting an NCEA Level 3 programme.

Where does the subject lead?

These are pre-apprenticeship units developed for the specific needs of general construction trades, and students can use these to further their efforts to gain an apprenticeship.

How is the course assessed?

All Units are internally assessed and achieve a Pass or Fail Grade only.

Other details (costs, field trips etc):

Students will be charged for materials used in each project depending on whether they want to take them home or not.

End of course qualifications:

Credits towards the National Certificate of Educational Achievement Level 3.

Possible Career Options:

Carpenter, joiner, cabinet maker, furniture maker, boat builder, paver.

Subject:	Design and Visual Communications		
NCEA Level:	Three		
Teacher to Contact:	Mrs K Paraone	Code: L3DVC	

Standard		Title	Credits
AS 91627	E	Initiate design ideas through exploration.	4
AS 91628	I	Develop a visual presentation that exhibits a design outcome to an audience.	6
AS 91629	I	Resolve a spatial design through graphics practice.	6
AS 91630	I	Resolve a product design through graphics practice.	6
AS 91631	E	Produce working drawings to communicate production details for a complex design.	6

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

Students will choose between attempting Spatial and Product briefs and will also complete the presentation standard.

External Achievement Standards are offered to students who intend to gain University Entrance or subject endorsement.

What will I learn?

Students will continue to learn about Design and Visual Communications 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 Design and Visual Communications.

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):

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

End of course qualification:

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

Possible Career Options:

Artist, fashion designer, jeweller, photographer, screen printer, sign-writer, graphic designer, web designer, animator, illustrator, teacher, architect, interior / spatial designer, industrial / product designer, production designer, creative director, art director.

Subject:	Digital Technologies		
NCEA Level:	Three		
Teacher to Contact:	Mr M Donaldson	Code: L3DGT	

Standard	Title	Credits
US 112	I Use the main features and functions of a desktop publishing application to create documents.	5
US 29792	I Use a desktop publishing application to create documents.	4
US 29785	I Use a word processing application to integrate images, spreadsheet and database data into documents.	4
US 29789	I Use a presentation application to produce an interactive multimedia presentation.	3
US 29786	I Produce a spreadsheet for Organisation use.	3
US 32093	I Apply text processing skills.	5

I means the Unit Standard is assessed internally.

What will I learn?

To further enhance the students' 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.

How will I learn?

Practical and theoretical use of computers covering Microsoft Office.

What should I have already done?

Level 2 Digital Technology. However, all standards can be achieved with no previous subject experience.

Where does the subject lead?

Successful students may go onto tertiary institutions or work placement.

How is the course assessed?

Internally assessed Unit Standards.

Other details (costs, field trips etc):

Headphones (optional).

End of course qualification:

Credits towards the National Certificate of Educational Achievement Level 3.

Possible Careers Options:

Secretary, office manager, banking officer, office worker, self-employed, receptionist, shop assistant, librarian, customer service, data entry.

Subject:	English
NCEA Level:	Three
Teacher to Contact:	Mrs L Fulton Code: L3ENG

Standard		Title	Credits
AS 91475	I	Produce a selection of fluent and coherent writing.	6 W
AS 91478	I	Respond critically to significant connections across texts, supported by evidence.	4
AS 91479	I	Develop an informed understanding of literature and / or language using critical texts.	4 R
AS 91472*	E	Respond critically to specified aspect(s) of studied written text(s) supported by evidence.	4 R/W
AS 91474*	E	Respond critically to significant aspects of unfamiliar written texts through close reading, supported by evidence.	4 R/W
AS 91473*	E	Respond critically to significant aspects of studied visual or oral text.	4 W

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

I means the Standard is assessed internally.

R means the credits count towards University Entrance Literacy - Reading.

W means the credits count towards University Entrance Literacy – Writing.

***Please note that only one of these three standards will be offered.**

What will I learn?

Written, visual and oral communication in English.

How will I learn?

By participating in work based on written and language topics.

What should I have already done?

Students must have passed two of the following Achievement Standards; AS 91105, AS 91101 or AS 91104. Otherwise entry to NCEA Level 3 English is at the discretion of the Head of Learning Area.

Where does the subject lead?

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

How is the course assessed?

Internal achievement standards throughout the year. External standards at the end of the year.

End of course qualification:

Credits towards the National Certificate of Educational Achievement Level 3.

Possible Career Options:

Anything that requires the use of visual or verbal communication in English at a competent and coherent level.

Subject:	Food Technology		
NCEA Level:	Three		
Teacher to Contact:	Ms D Henderson	Code: L3FDT	

Standard		Title	Credits
AS 91610	I	Develop a conceptual design considering fitness for purpose in the broadest sense.	6
AS 91612	E	Demonstrate understand of how technological modelling supports technological development and implementation.	4 W
AS 91611	I	Develop a prototype considering fitness for purpose in the broadest sense.	6

**I means the Unit Standard is assessed internally.
W means the credits count towards University Entrance Literacy – Writing.**

What will I learn?

You will learn how to analyse existing food products and develop your own product and how to hygienically manufacture food product following HACCP (Hazard Analysis and Critical Control Points) processes.

How will I learn?

By working on assignments and in workbooks, both at school and at home. You will have lots of hands-on food trials and food analysis to complete.

What should I have already done?

Preferably Level 1 and / or Level 2 Food Technology. Some background in working with foods is preferable but not necessary; flair and creativity are a bonus. You need to want to cook for others rather than just for yourself. You need to be a good attendee and have a real desire to learn.

Where does the subject lead?

It will lead to a Hospitality course at a tertiary institute or straight into the hospitality industry.

How is the course assessed?

Most of the course is assessed internally during the year. The external assessment is available for students' requiring endorsement.

End of course qualification:

Credits towards the National Certificate of Educational Achievement Level 3.

Possible Career Options:

Chef, barista, hotel management, events management, restaurant and café work, tourism, food technologist.

Subject:	Geography
NCEA Level:	Three
Teacher to Contact:	Mrs K Kitchingman Code: L3GEO

Standard		Title	Credits
AS 91426	E	Demonstrate understanding of how interacting natural processes shape a New Zealand geographic environment.	4 R / W
AS 91429	E	Demonstrate understanding of a given environment(s) through the selection and application of geographic concepts and skills.	4 R / W
AS 91431	I	Analyse aspects of a contemporary geographic issue.	3 R
AS 91432	I	Analyse a geographic topic at the global scale.	3 R
AS 91428	I	Analyse a significant event from a geographic perspective.	3 R
AS 91420	I	Conduct geographic research with consultation.	5

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

I means the Standard is assessed internally.

R means the credits count towards University Entrance Literacy - Reading.

W means the credits count towards University Entrance Literacy – Writing.

What will I learn?

NCEA Level 3 Geography is about how interacting processes shape natural and cultural environments. It also looks at people's different values and perceptions in relation to the decisions they make which effect environments. Topics included are tourism, marine environments, sustainability and a study of a coastal environment.

Mapping skills and geographic concepts are studied throughout the course.

How will I learn?

Field work is an integral part of the course. Learning activities include videos, texts, newspapers, internet, 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. The number of standards will depend on the ability level of the student. Up to eighteen credits may be available.

Other details (costs, field trips etc):

Fieldwork is undertaken in the local area for research data collection, which could be a trip to Manea Footprints of Kupe and the Waitangi Treaty Grounds.

End of course qualification:

Credits towards the National Certificate of Educational Achievement Level 3.

Subject:	History		
NCEA Level:	Three		
Teacher to Contact:	Mr T Davison	Code: L3HIS	

Standard		Title	Credits
AS 91434	I	Research an historical event or place of significance to New Zealanders, using primary and secondary sources	5 R
AS 91435	I	Analyse an historical event, or place, of significance to New Zealanders	5 R
AS 91436	E	Analyse evidence relating to an historical event of significance to New Zealanders	4 R/W
AS 91437	I	Analyse different perspectives of a contested event of significance to New Zealanders	5 R
AS 91438	E	Analyse the causes and consequences of a significant historical event	6 R/W

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

I means the Standard is assessed internally.

R means the credits count towards University Entrance Literacy - Reading.

W means the credits count towards University Entrance Literacy – Writing.

What will I learn?

NCEA Level 3 History is about how people have interacted with each other over time. It focuses on aspects of human rights, conflict, and protest. Students will have a range of topics from which to choose. They can choose to focus on the same topic all year, or study different topics for each standard.

Research and evaluation skills are taught, as well as analysing the reliability and value of information from different sources. Writing for History will also be taught.

How will I learn?

Learning activities include videos, texts, newspapers, internet, discussion, individual and group research and assignments. Depending on the topics chosen, field trips could be an option.

What should I have already done?

Students need an interest in social studies and the world around them. The willingness to read and write is also important. Attitude, work habits and attendance all play a part in acceptance to this course.

Where does the subject lead?

This course leads directly to History at University and is recognised as a useful qualification for a wide range of careers, including law, business, and education.

How is the course assessed?

The course is assessed by internal and external achievement standards. The number of standards attempted will be negotiated with each student. Up to 21 credits may be available.

End of course qualification:

Credits towards the National Certificate of Educational Achievement Level 3.

Subject:	Mathematics with Calculus		
NCEA Level:	Three		
Teacher to Contact:	Mr D Fowler	Code: L3MWC	

Standard		Title	Credits
AS 91575	I	Apply trigonometric methods in solving problems.	4
AS 91578	E	Apply differentiation methods in solving problems.	6
AS 91579	E	Apply integration methods in solving problems.	6
AS 91587	I	Apply systems of simultaneous equations in solving problems	2
AS 91574	I	Apply linear programming methods in solving problems.	3

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

Students will sit a combination of standards to build a course of around 18 credits.

What will I learn?

This course continues and extends the work of Level 2 on Algebra, Co-ordinate Geometry, Trigonometry and 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 ten credits.

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 and examinations. Two standards are assessed by an external examination at the end of the year.

End of course qualification:

Credits towards the National Certificate of Educational Achievement Level 3.

Possible Career Options:

Engineering, Science, Economics, Mathematics.

Subject:	Mathematics with Statistics		
NCEA Level:	Three		
Teacher to Contact:	Mr D Fowler	Code: L3MWS	

Standard		Title	Credits
AS 91574	I	Apply linear programming in solving problems.	3
AS 91580	I	Investigate time series data.	4
AS 91581	I	Investigate bivariate measurement data.	4
AS 91585	E	Apply probability concepts in solving problems.	4
AS 91586	E	Apply probability distributions in solving problems.	4
AS 91587	I	Apply systems of simultaneous equations in solving problems.	3

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

Students will sit a combination of standards to build a course of around 20 credits.

What will I learn?

The course is Statistics and Probability standards based.

How will I learn?

Students will develop their mathematical and statistical 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 10 credits, including attempting all the NCEA Level 2 Probability external Achievement Standards.

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?

Two of the standards are assessed in a three hour external exam at the end of the year worth a total of eight credits. The other four are internally assessed standards worth a total of fourteen credits.

End of course qualification:

Credits towards the National Certificate of Educational Achievement Level 3.

Possible Career Options:

Auditor, actuary, statistician, economist, geographer, geologist, weather forecaster, physicist, mechanical engineer, electronics engineer, electrical engineer, chemical engineer, aeronautical engineer, civil engineer, architect, tertiary lecturer, business owner, analyst, farm manager.

Subject:	Music
NCEA Level:	Three
Teacher to Contact:	Mr P Zeedijk
	Code: L3MUS

Standard		Title	Credits
AS 91416	I	Perform two programmes of music as a featured soloist.	8
AS 91417	I	Perform a programme of music as a featured soloist on a second instrument.	4
AS 91418	I	Demonstrate ensemble skills by performing two substantial pieces of music as a member of a group.	4
AS 91419	I	Communicate musical intention by composing three original pieces of music.	8
AS 91421	E	Demonstrate understanding of harmonic and tonal conventions in a range of music scores.	4
AS 91422	I	Analyse a substantial music work.	4 Lit
AS 91423	E	Examine the influence of context on a substantial music work.	4 Lit(R+W)
AS 91424	I	Create two arrangements of an ensemble.	4
AS 91425	I	Research a music topic	6 Lit (R)
AS 91849	I	Compose three original songs the express imaginative thinking.	8
US 32304	I	Operate a music sequencing application.	4
US 32305	I	Operate a music notation application.	4

I means the Achievement Standard is assessed internally.

E means that the Achievement Standard is assessed externally.

Lit means the credits count towards Level 1 Literacy.

W means the credits count towards University Entrance Literacy – Writing.

R means the credits count towards University Entrance Literacy - Reading.

What will I learn and how?

NCEA Music is a completely individualised program. At level 3 students will choose which standards (min 14 credits plus 1 standard) best suit their goals and/or pathways. Students will learn through practice, discussion and reflection on musical goals they have set. There will be opportunities for students to share their work with others through performance and/or presentations to help further enhance confidence. Regular self, peer, and teacher feedback will ensure students keep up to date with their goals.

What do I need to enter this course?

Being at Level 7 or higher in any two of the four areas of the music curriculum (context knowledge, theory, composition, performance) or at the discretion of the Head of Learning Area - Arts.

End of course qualification:

Level 3 credits towards NCEA.

This is an approved subject towards University Entrance.

Where does this subject lead and what possible career options?

Further study (University etc), musician, composer, song writer, sound/recording engineer, DJ, music producer, music teacher

Subject:	Physical Education		
NCEA Level:	Three		
Teacher to Contact:	Mr B Campbell	Code: L3PED	

Standard	Title	Credits
AS 91505	Examine contemporary leadership principles applied in physical activity contexts.	4 R
AS 91480	Evaluate physical activity experiences to devise strategies for life long well-being.	4
AS 91501	Demonstrate quality performance of a physical activity in an applied setting.	4
AS 91504	Analyse issues in safety management for outdoor activities to devise safety management strategies.	4

**I means the Achievement Standard is assessed internally.
R means the credits count towards University Entrance Literacy - Reading.**

What will I learn?

In NCEA Level 3 Physical Education you will learn and develop contemporary leadership styles and then use these on a range of different groups of people in a variety of settings. You will develop an understanding of the procedures and processes needed to run an outdoor activity in New Zealand. You will also develop an understanding about how your past experiences with physical activity can and will influence your future involvement.

How will I learn?

By working through the Achievement Standards in practical and theoretical settings.

What should I have done already?

Ideally Level 2 NCEA Physical Education achieving 14 or more credits. Through consultation with Careers Advisor and HoD Physical Education and Sports it may be possible to take this course in special circumstances.

How is this course assessed?

All Achievement Standards are internally assessed.

Other details (costs, field trips etc):

Some extra costs may happen due to trips or workbooks.

End of course qualification:

Credits towards the National Certificate of Educational Achievement Level 3.

Possible Career Options:

Physical Education teacher, nurse, physiotherapist, personal trainer, sports coach, sports manager, events manager.

Subject:	Physics		
NCEA Level:	Three		
Teacher to Contact:	Mr A Carson	Code: L3PHY	

Standard		Title	Credits
AS 91521	I	Carry out a practical investigation to test a physics theory relating to two variables in a non-linear relationship.	4
AS 91523	E	Demonstrate understanding of wave systems.	4
AS 91524	E	Demonstrate understanding of mechanical systems.	6
AS 91526	E	Demonstrate understanding of electrical systems.	6
AS 91525	I	Demonstrate understanding of modern physics.	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?

The course involves the study of: Measurement and Uncertainty, Translational Motion, Circular, Rotational and Oscillatory Motion, Waves, Direct Current Electricity, Alternating Current, Capacitors and Inductors.

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. Entry is by application to Mr Carson.

Other details (costs, field trips etc):

Stationery: Refill or exercise book.

End of course qualification:

Credits towards the National Certificate of Educational Achievement Level 3.

Possible Career Options:

This subject is a useful lead-in to many degrees and a requirement for engineering at the University of Auckland and some specific courses at other universities.

Career choices could include; nuclear physicist, meteorologist, radiology, road safety, sports medicine.

Subject:	Te Reo Māori		
NCEA Level:	Three		
Teacher to Contact:	Ms K Te Whata	Code: L3REO	

Standard		Title	Credits
AS 91650	I	Whakarongo kia mōhio ki te reo Māori o te ao whānui.	4
AS 91651	I	Kōrero kia whakamahi i te reo Māori o te ao whānui.	6
AS 91652	E	Pānui kia mōhio ki te reo Māori o te ao whānui.	6 R
AS 91653	E	Tuhi i te reo Māori o te ao whānui.	6 W
AS 91654	I	Waihanga tuhinga whai take i te reo Māori o te ao whānui.	6 W

E means the Standard is assessed externally at the end of the year.
I means the Standard is assessed internally.
W means the credits count towards University Entrance Literacy - Writing.
R means the credits count towards University Entrance Literacy - Reading.
A range of Unit Standards are also available to meet the needs of the students who choose Te Reo Maori.

What will I learn?

Candidates will demonstrate their ability to:

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

How will I learn?

Participation in our Kapa Haka Roopū, waiata, marae visits, speaking Te Reo Māori, Ataarangi method of learning, kaumāua visiting our classes, on-going lessons, using the internet, on-line learning and participation in Ngā Manu Kōrero Speech competitions.

What should I have already done?

Level 1 and Level 2 Te Reo Māori.

Where does the subject lead?

University, polytechnic, teachers' college.

How is the course assessed?

Participation in Ngā Manu Korero is recommended. Oral and written tests, research projects.

Please note that external assessors may be utilised to assess standards.

Other details (costs, field trips etc):

Events of relevance to the course; Ngā Manu Korero regional speech competition, Te Tai Tokerau Secondary Schools Kapa Haka Festival, local haerenga.

End of course qualification:

Credits towards the National Certificate of Educational Achievement Level 3.

Subject:	Tourism
NCEA Level:	Three
Teacher to Contact:	Mrs K Kitchingman Code: L3TOU

Standard		Title	Credits
US 18211	I	Demonstrate knowledge of Australia as a tourist destination.	5
US 18212	I	Demonstrate knowledge of New Zealand as a tourist destination.	8
US 24725	I	Describe and analyse the economic significance of tourism.	4
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.	5
US 11784	I	Examine and recite appropriate karakia in tourism Māori.	5
US 11786	I	Explain tikanga in tourism Māori.	5

I means the Unit Standard is assessed internally.

Students are not expected to complete all Unit Standards. Depending on the ability and interest of individual students, they will select their Unit Standards from the above list.

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, and also investigates tourism Māori.

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, but there are no set criteria. 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 Standard 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. A visit to the QRC (Queenstown Resort College) in Paihia investigates local tertiary study options.

End of course qualifications:

Credits towards the National Certificate in Tourism Introductory Skills.
Credits towards the National Certificate of Educational Achievement Level 3.

Possible Career Options:

Service industries sector which includes travel, tourism and hospitality. There are a high number of roles and occupations available in this sector.