



KingsWay School Year 13 Options Booklet

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Please note that this document and the option forms for Years 10 - 13 can also be found on the school website.

It's time to choose
your options for 2010

Please read the information in this
booklet carefully before making your selections.

Sequence of Events

3 September 2009 11 September 2009 17 September 2009	Option evening and seminar Selection of 2010 subjects NCEA Information Evening
Early November 2009	Option lines produced.
January 2010	Results of NZQA qualifications published.
3 February 2010	Year 13 Leadership Camp (Feb 3 rd – 5 th)
8 February 2010	Pre-enrolment for all Year 12. Students are required at school 9am until courses are finalised. Year 9 and Year 13 students are required at school for Peer Support Programme.
9 February 2010	Pre-enrolment for all Year 13 students.
10 February 2010	Pre-enrolment for all Year 11 students. Students are required at school from 9am until courses are finalised.
11 February 2010	Pre-enrolment for all Year 10. Students are required at school 9am until courses are finalised.
12 February 2010	All classes commence (Year 1 – 13)

Course Selection Advice

Psalm 139:13 – 16 tells us that God has created every person, and that includes you, a unique individual with unique talents and gifts. In Jeremiah 29:11 God tells us He has a plan for our lives.

Therefore, you need to choose your subjects thoughtfully and prayerfully. Talk with your parents, teachers and the career advisor about your talents and gifts and your future plans. Before you make your choices, ask yourself whether the subjects you want to take are helping you do what you have been gifted to do and whether they are fulfilling God's plan for your life.

Initial subject choices MUST be made carefully and realistically. Final choices will be confirmed in November and from that point, **no** changes will be accepted unless there is a subject clash, subjects are unavailable, pre-requisites are not met or insufficient students have chosen a subject.

In Years 11- 13 students at KingsWay School study for the National Certificate of Educational Achievement (NCEA) provided by the New Zealand Qualifications Authority (NZQA).

General enquiries about options and subjects can be made in the first instance to Mrs Dorman, Head of College.

Email: bev-d@kingsway.school.nz

Phone: 09 4270915

An options seminar held on the 3 September (8pm Old Library) explains the options process, the timetable and how to prepare for options beyond school. An NCEA information evening on the 17 September (7.30pm Old Library) will also provide useful advice and give an opportunity for questions and discussion

Information Programme Outline

YEAR 12

Year 12 students must choose **five** subjects. Biblical Studies (2 periods) and Study (3 periods) make up the sixth option line in the timetable. Some students will take **six** subjects. Selection for this group of students will be based on a student's academic performance in Year 11 (an average of 75% GPA of NCEA results) proven study skills and time management ability and a formal application in writing to the Head of College.

Students must select:

- An English course from Year 12 or Year 11.
- **Four** additional subjects.

Year 12 courses must be planned carefully as we are reluctant to make subject changes **after 1 November 2009**

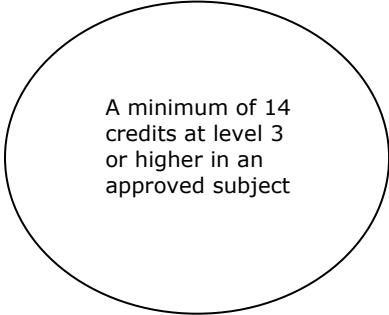
YEAR 13

Year 13 students must choose **five** subjects. Biblical Studies (2 periods) and Study (3 periods) make up the sixth option line in the timetable.

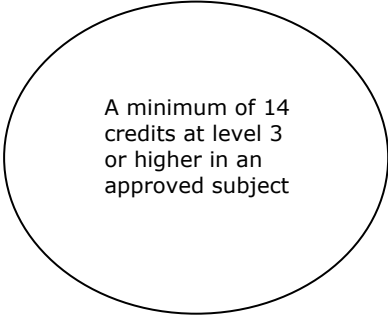
The subjects chosen may be taken at any level, but you must ensure you meet the prerequisites for studying your chosen subjects. It is to a student's advantage to work hard to achieve the best possible results.

Common University Entrance Standard

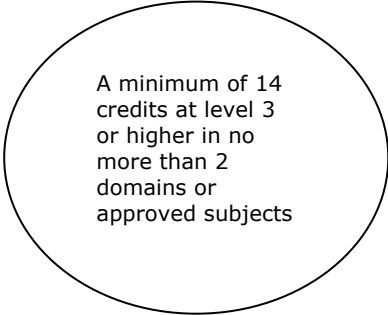
All Universities have a common standard that they require for entrance into any degree program. Students must have at least 14 credits in two level 3 NCEA subjects from the approved list and a further 14 credits that can come from the approved list or elsewhere.



A minimum of 14 credits at level 3 or higher in an approved subject



A minimum of 14 credits at level 3 or higher in an approved subject



A minimum of 14 credits at level 3 or higher in no more than 2 domains or approved subjects

APPROVED SUBJECT LIST

Accounting	Biology	Chemistry	Computing
Design (practical art)	Dance	Drama	Economics
English	Geography	Graphics	History
Maths – Calculus	Maths – Statistics	Music	Painting (practical art)
Physical Education	Physics	Printmaking (practical art)	Sculpture (practical art)
Technology	Japanese		

In addition you must have:

At least 4 credits at level 2 English in Writing
At least 4 credits at level 2 English in Reading
At least 14 credits at level 1 in Mathematics

Many courses require higher attainment than this for entry and students should check with the universities to determine the entry criteria to a particular course. Students should to keep their options broad by taking at least one Literacy / Social Science and one Commerce / Maths / Science subject in their mix.

Year 13 courses must be planned carefully as we are reluctant to make subject changes **after 1 November 2009**

NOTE: Auckland University has additional admission requirements. For information refer to www.auckland.ac.nz or speak to a Careers Advisor or Mrs Dorman (Head of College).

National Qualifications

National Certificate in Educational Achievement (NCEA)

To be awarded an NCEA certificate at any level students must gain 80 credits from that level or above. These credits must include meeting the literacy and numeracy requirements.

An endorsed certificate can be issued to learners who have achieved 50 credits at Merit or Excellence at the same level, or higher, on the National Qualifications Framework (NQF).

Students are strongly encouraged to work for quality of credits rather than quantity of credits in excess of what is required.

Assessments and credits are summarised for each subject in this option booklet. The mix of internal and external assessment is clearly shown and differs from subject to subject.

Achievement standards have criteria for Achieved, Merit and Excellence. Unit Standards may also be offered in a number of subjects and through STAR courses.

These do not have a Merit or Excellence category but do generate credits towards NCEA.

How to keep your options open

Information on subject options required for future careers

When considering option choices all students who are thinking of going to university should be aware of the Common University Entrance Standard outlined previously under "Year 13". Students should also be aware that this is a minimum standard and that in many situations where there is high demand for places in a course only those students with the best grades will be accepted.

In the current environment, Universities and other training providers tend not to rigidly require students to have completed certain subjects at school in order to gain entrance. However in some cases students may find tertiary studies initially difficult if they have not gained the appropriate background at school.

For more information on the school options that will enable the best preparation for a particular course of study or career please speak to Mrs Clarke (Careers Co-ordinator) Mrs Swart (Careers Counsellor) or Mrs Dorman (Head of College). Information is also available in pamphlet form from the Careers Office.

Resources to help you decide on a Career Path

The Careers Department has a range of resources to help you make informed careers choices.

- ◆ **Career Planning** This computer based career questionnaire is produced by a Christian company in the New Zealand, it is available in the careers room and takes about 1 ½ hours to complete. It produces a very accurate and comprehensive 35 page report. This resource costs \$50 per user (no profit to KWS). Bookings and payment should be made to Mrs Clarke.
- ◆ **KiwiCareers Website** will provide you with information (and a printout if you wish) on various careers, necessary courses of study, and the institutions that provide such courses.
- ◆ **Careers Information Leaflets** and University information booklets are available from the Careers room.

Career / Study Planner

➤ Use this form to organise your investigation into possible careers and study options

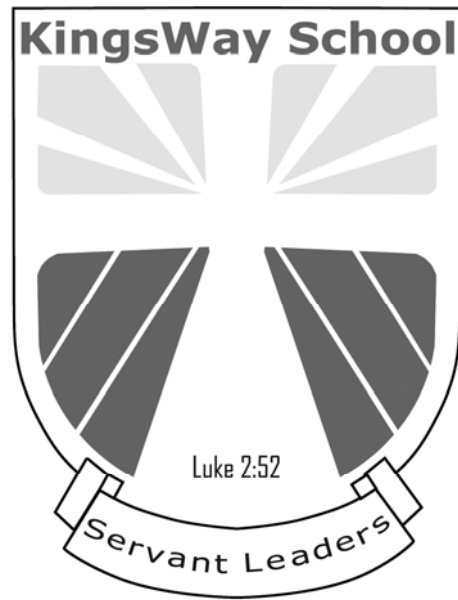
	Possible Career	Tertiary Training Needed	Yr 13	Yr 12	Yr 11	Yr 10
Option One				English _____ _____ _____ _____	English Mathematics Science _____ _____ _____	English Mathematics Science Social Studies _____ _____
Option Two				English _____ _____ _____ _____	English Mathematics Science _____ _____ _____	English Mathematics Science Social Studies _____ _____
Points to Ponder:	<ul style="list-style-type: none"> • What types of work are you interested in/would enjoy doing? • What type of work would you do in a typical day? • What is the typical salary range annually? • Is this the type of work that God wants you to do? 	<ul style="list-style-type: none"> • How long is the course? • What are the fees each year? • Does this course give you access to more than one occupation? • Which institutions provide training in this field? 	<ul style="list-style-type: none"> • List the subjects required for entry into the course and NCEA credits needed • For degree courses you must also achieve the common entrance standard (see over). 	<ul style="list-style-type: none"> • Most often entry into a course at Year 13 requires that it be taken at Year 12. 	<ul style="list-style-type: none"> • Often entry into a course at Year 12 requires that it be taken at Year 11. 	<ul style="list-style-type: none"> • Entry to Year 11 courses does not always require that the subject be taken at Year 10 but this can aid achievement especially in skill based subjects e.g. Art, Graphics and Language learning.

Year 10 - 13 Option Pathways 2010

Year 10	Year 11	Year 12	Year 13
English	English	English	English
	English (ENU 1)	English (ENU 2)	
ESOL	ESOL	ESOL	ESOL
Mathematics	Mathematics	Mathematics	Calculus
	Mathematics (MAU 1)	Mathematics (MAU 2)	Statistics
Science	Science	Biology	Biology
	Science (SCU)	Chemistry	Chemistry
		Physics	Physics
Biblical Studies	Biblical Studies	Biblical Studies	Biblical Studies
Social Studies	Geography	Geography	Geography
	History	History	History
		Travel and Tourism	Travel and Tourism
Physical Education	Physical Education	Physical Education	Physical Education
Health			
Information Technology	Computing	Computing	Computing
Soft Materials	Soft Materials	Soft Materials	Soft Materials
Hard Materials	Hard Materials	Hard Materials	Hard Materials
Graphics	Graphics	Graphics	Graphics
Japanese	Japanese	Japanese	Japanese
Commerce	Accounting	Accounting	Accounting
	Economics	Economics	Economics
			Business Studies
Art	Visual Art	Visual Art	Design
			Painting
			Sculpture
			Printing
Music	Music	Music	Music
Drama	Drama	Drama	Drama
Dance	Dance	Dance	

Important, please note:

1. There is no Year 13 Dance in 2010.
2. Year 12 and 13 Travel and Tourism are taught together in one class.
3. Senior Art and Senior Music are often aggregated to allow flexibility with timetabling.
4. Business Studies is a combined Year 12/13 (L3 course) with preference given to year 13 students.



Year 13 Courses for 2010

Year 13 Options for 2010

NCEA LEVEL 3 ACCOUNTING

Prerequisite: 13 credits in (AS90220, AS 90223 and AS90224) Level 2 Accounting **and** HOD approval
Assessment: NCEA Level 3 – 24 Credits
Course Cost: \$25.00 towards write on workbooks
\$5.00 - \$20.00 trip costs, subject to confirmation

This course builds on the level 2 course. It introduces partnerships and companies. Students will gain an understanding of end of year financial statements and their interpretation. It will prepare them for further studies at University.

ACH STD	Description	Credits	Assessment Mode
90500	Describe and apply the conceptual basis of accounting fin context	4	External
90501	Process financial information for partnerships and/or companies	3	External
90502	Process financial information for a manufacturing job cost subsystem	3	External
90503	Report financial information for partnerships and/or companies	6	External
90504	Prepare a report that analyses and interprets a companies financial report for external users	5	Internal
90505	Explain and prepare information for management decision making	3	External

NCEA LEVEL 3 BIOLOGY

Prerequisite: 14 credits in Level 2 Biology **and** HOD approval
Assessment: NCEA Level 3 – 22 Credits.
Course Cost: Student Workbook \$30.00
Field Trips: Zoo Trip \$15.00
Biotechnology Trip \$3.00

During the year students will design their own experiments to investigate an organism's niche (AS 90713). Their course will also include: practical work; two field trips; research; plant and animal behaviour; genetics; the theory of evolution and applications of Biotechnology in Biology.

NCEA LEVEL 3 BUSINESS STUDIES

Prerequisite: This course is open to Year 12 and 13 students but Y13 students will be give preference. Students apply in writing, stating why they wish to be part of a business team and making a commitment to put in non class time when necessary to ensure their team's success.
Assessment: NCEA Level 3 – 21 Credits
Course Cost: \$115.00 (Company Registration \$50.00; Student Registration \$15.00; YES Exam \$25.00; Student Study Guide \$25.00)

This course provides students with a practical introduction to the world of Business. Students work in groups to identify a business opportunity, incorporate a company, write a business plan, raise capital, launch their product, learn sales and marketing techniques, maintain a set of business accounts, run business meetings, make a profit and then liquidate their company.

At the same time students are competing for the National Young Enterprise Award, run by the Enterprise New Zealand Trust as part of the Young Enterprise Scheme (YES).

The main assessment in this course is through the Unit Standards outlined below.

Level 3 Unit Standards for Business Studies (Merit Grades Available)

UNIT STD	Description	Credits	Assessment Mode
22857	Analyse a marketing issue in a business organisation and evaluate potential solutions	3	Internal
22858	Evaluate the impact of change on business organisations' operations and strategic objectives	3	Internal
22859	Analyse a human resource management issue in a business organisation and evaluate potential solutions	3	Internal
22860	Analyse a production process issue in a business organisation and evaluate potential solutions	3	Internal
22862	Plan for an ongoing complex business activity	4	Internal
22863	Carry out a planned ongoing complex business activity	8	Internal

NCEA LEVEL 3 CHEMISTRY

Prerequisite: 13 credits in Level 2 Chemistry **and** HOD Approval

Assessment: NCEA Level 3 – 20 Credits

Course Cost: Student Workbooks \$55.00

Year 13 Chemistry is heavily practical. There is a large emphasis on learning and enjoyment. Students will demonstrate an awareness of the relationships between experimental data and theoretical interpretation. They will analyse and process data and information, consolidate technical skills, and acquire a deeper understanding of the core concepts of Chemistry.

ACH STD	Description	Credits	Assessment Mode
90695	Determine concentration of an oxidant/reductant by titration	2	Internal
90696	Principles of redox reactions and batteries	3	External
90698	Reactions of hydrocarbons, alcohols, carboxylic acids, esters and other homologous series	5	External
90700	Apply equilibrium principles to aqueous solutions	5	External
90780	Particles and Thermo Chemistry	5	External

NCEA LEVEL 2 & 3 COMPUTING **For Year 12 and 13 Students**

Year Level: Year 12 and 13
Prerequisite: Y10 or Y11 Computing – recommended but not required.
Assessment: 100% Internal Assessment
Course Cost: \$20.00 allocated to printing balance

Qualifications:

- Start of the National Certificate in Computing Level 3 (usually a 2 – 3 year course),
- NCEA credits. Level 2 and 3

Credit Expectations: Students are expected to complete – 20 credits

Students from Year 12 and 13 may choose this course. It provides Level 2 and Level 3 credits towards NCEA Level 2/3.

The course is very practical. Students cover a wide range of topics all of which will assist them to access computing qualifications and careers. Students will also be introduced to the technological process. In addition the skills and knowledge learnt are very useful for all other studies.

During this year students will start the National Certificate in Computing Level 3. It is expected to take 2 to 3 years to complete the certificate.

Year 12 Students will complete the following Achievement Standards:

US/AS STD	Description	Credits	Assessment Mode
L2 AS90349	Develop a conceptual design to address a client issue in ICT	6	Internal
L2 AS90368	Develop a one-off solution to address a client issue	4	Internal

Year 13 Students will complete the following Achievement Standards:

US/AS STD	Description	Credits	Assessment Mode
L3 AS90620	Develop a one-off solution to address a client issue	8	Internal
L3 AS90685	Demonstrate techniques in ICT	4	Internal

Year 12 and Year 13 students will complete a selection from the following list of Unit Standards.

US/AS STD	Description	Credits	Assessment Mode
L1 US2780	Describe and operate a personal computer system	3	Internal
L2 US2781	Manage and protect data in a personal computer system	3	Internal
L3 US2787	Produce a computer flat file database to provide solutions for organisation use	6	Internal
L3 US2785	Create a computer spreadsheet to provide a solution for organisation use	5	Internal
L3 US112	Produce information using word processing functions	5	Internal

L3 US2789	Produce desktop published documents for organisation use	6	Internal
L3 US18741	Create a computer program to provide a solution	6	Internal
L3 25658	Create a website for a stakeholder using a dedicated web-authoring tool	5	Internal

NCEA LEVEL 3 DRAMA

Prerequisite: 14 Credits in NCEA level 2 Drama **and** HOD approval

Assessment: NCEA Level 3 – 20 Credits

Course Cost: Write on Workbooks and Scripts \$35.00
Workshop fees \$15.00 Performance Pack \$5.00

The course is made up of four achievement standards, one achievement standard will be an external examination at the end of the year.

The course structure is: drama techniques, performing an extract from a New Zealand play, performing a significant role, and devising a script to perform. The external examination continues on from theatre study at Level 2.

ACH STD	Description	Credits	Assessment Mode
AS90608	Integrate drama techniques to communicate meaning in individual performance of scripted drama.	5	Internal
AS90609	Use elements and conventions to devise, script and perform individual drama	5	Internal
AS90611	Research, prepare and perform a performance or technical/production role in a significant production.	6	Internal
AS90610	Demonstrate knowledge of theatre form or period by analysing and interpreting two scripted texts.	4	External

NCEA LEVEL 3 ECONOMICS

Prerequisite: 12 credits in Level 2 Economics **and** HOD approval

Assessment: NCEA Level 3 – 24 Credits

Course Cost : Student Workbook \$25.00
\$5.00 - \$20.00 trip costs, subject to confirmation

Students will analyse Economic theory relating to the allocation of resources via the market system and the public sector, and macro-economics, recognising the impact of government action.

ACH STD	Description	Credits	Assessment Mode
90629	Understand marginal analysis and the behaviour of firms.	5	External
90630	Describe an economic problem, allocative efficiency, and market responses to change.	4	External
90631	Describe market failure and government interventions to correct for market failure	4	External
90632	Describe aggregate economic activity.	6	External
90778	Collect and process information, and carry out an economic analysis	5	Internal

NCEA LEVEL 3 ENGLISH

Prerequisite: 14 Credits in Level 2 English **and** HOD approval
Assessment: NCEA Level 3 – 24 credits

The Year 13 course covers the skills of reading, writing, listening, speaking, viewing and presenting. Research skills and the study of literary and non-literary texts are important parts of the course.

ACH STD	Description	Credits	Assessment Mode
90720	Produce an extended piece of writing in a selected style	4	Internal
90721	Respond critically to written text(s) studied	4	External
90722	Respond critically to Shakespearean drama studied	4	External
90723	Respond critically to oral or visual text studied	4	External
90724	Respond critically to unfamiliar prose and poetry texts	2	External
90725	Construct and deliver an oral presentation	3	Internal
90726	Complete independent research on a language or literature topic and present findings in written form.	3	Internal

Year 13 ESOL

Prerequisite: Nil
Assessment: NCEA Level 3 – 19 credits (up to 24)
 Leads into IELTS exam

This course is designed to assist International Students in the development of English language skills required for successful study in the senior school.

- Orientation:
 - This can help the new International Students to orientate themselves towards the school and immediate environment

- Orientation is held during one/two days, the week before school commences at the beginning of the year

- Course: (subject to confirmation)

UNIT STD	LEVEL	Description	Credits	Assessment Mode
8823	ENG L2	Wide reading (literacy requirement)	4	Internal
8825	ENG L2	Practice transactional writing	5	Internal
15010	ESL L3	Understanding spoken language	5	Internal
17141	ESL L3	Obtain information through the use of a telephone	5	Internal
15014	ESL L4	Speak Informally for Communicative Purposes	5	Internal
UE	IELTS/TOEFL		No Credits - UE Externally Arranged	

Optional:

17361	ESL L3	Reading and listening	5	Internal
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NCEA LEVEL 3 GEOGRAPHY

Prerequisite: 14 Credits at NCEA Level 2 **and** HOD approval

Assessment: NCEA Level 3 – 21 Credits

Course Cost: Rotorua Field Trip approximately \$340.00 Muriwai Beach \$15.00

This course comprises two parts:

(a) Natural Processes

A study of Coastal Processes with Muriwai as the setting.

(b) Cultural Processes

A study of Tourism Development with Rotorua and Bali as case studies.

Students attend two field trips throughout the year. One is to Muriwai beach and the other is a four day trip to Rotorua.

ACH STD	Description	Credits	Assessment Mode
90701	Analyse natural processes in the context of a geographic environment	4	External
90702	Analyse a cultural process	4	External
90704	Select and apply skills and ideas in a geographic context	4	External
90705	Carry out and present geographic research with consultation	3	Internal
90706	Analyse a contemporary geographic issue and evaluate courses of action	3	Internal
90707	Analyse a geographic topic at a global scale	3	Internal

NCEA LEVEL 3 GRAPHICS

Prerequisite: 14 Credits at NCEA Level 2 **or** HOD approval

Assessment: NCEA Level 3 – 22 Credits

Year 13 Graphics is divided into 4 main areas of study:

1. Graphical Communication
2. Architectural Design
3. Technological Design
4. Media Design

ACH STD	Description	Credits	Assessment Mode
US7521	Produce 2D and 3D models for design and presentation	4	Internal
US19355	Produce scale production drawings using computer aided draughting (CAD) programs	8	Internal
AS90736	Develop and present a solution to an architectural or environmental design brief	5	Internal
AS90738	Develop and present a solution to a media or technical illustration design brief	5	Internal

There is no final examination for NCEA Level 3 Graphics.

NCEA LEVEL 3 HISTORY

Prerequisite: 14 credits at NCEA Level 1 or 2 History or NCEA Level 2 English merit reading and writing credits **and** HOD approval

Assessment: Level 3 NCEA –19 credits

Course Cost: Bay of Islands Field Trips (includes research at Auckland and University Research libraries) approximately \$320.00

The course consists of two parts:

- 1) A research investigation (AS 90654 & 90655) focused on New Zealand history and the early European contact period in Northland. Students attend a four day field trip to the Bay of Islands and Northland during which time they also stay on a marae and learn something of Maori culture and history.
- 2) A study of the Tudor Stuart Period focusing on the social, economic and religious changes that formed the basis of our modern society. The exciting developments of this time include the birth of the Protestant church, the shaping of modern government and the development of the modern commercial world.

Students will study four of the following five standards

ACH STD	Description	Credits	Assessment Mode
90654	Plan and carry out independent historical research	4	Internal
90655	Communicate and present historical ideas clearly to show understanding of an historical context	5	Internal
90656	Analyse and evaluate evidence in historical sources	5	External
90657	Examine a significant decision made by people in history, in an essay	5	External
90658	Examine a significant historical situation in the context of change, in an essay	5	External

History Department Film Evenings:

There will be opportunity during the year for History students to enjoy a collection of feature films that bring a wider understanding to their classroom studies. This may be an evening visit to a city cinema or screenings at school.

NCEA LEVEL 3 JAPANESE

Prerequisite: Gained a minimum of 12 credits in NCEA Level 2 Japanese
Assessment: NCEA Level 3 – 21 Credits
Course cost: Workbooks approximately \$60.00
Access to Computer Program \$20.00

This course builds on language and culture covered in the Year 12 Japanese course. The following topics are covered in more depth giving students a deeper awareness of contemporary life in Japan – Land and People, Japan at Work, Communications and the Media and Travel and Tourism. Cultural aspects of Japan are studied within the language of these topics.

Students will also have opportunities to participate in cultural exchanges with Japanese visitors and to be part of the KingsWay School Japan Tour in the September/October school holidays 2010.

ACH STD	Description	Credits	Assessment Mode
90570	Listen to and understand complex spoken Japanese in less familiar contexts	6	External
90571	Give a prepared speech in Japanese using complex language on a less familiar topic	3	Internal
90572	Converse in Japanese using complex language in less familiar contexts	3	Internal
90573	Read and understand written Japanese, containing complex language in less familiar contexts	6	External
90574	Write text in Japanese using complex language on a less familiar topic	3	External

NCEA LEVEL 3 MATHEMATICS WITH CALCULUS (13MAC)

Prerequisite: At least 16 Level 2 credits from the 12 MAT course including AS90284 (Algebra), AS90286 (Calculus) **and** HOD approval.
Assessment: NCEA Level 3 - 24 Credits

ACH STD	Description	Credits	Assessment Mode
90635	Differentiate and use derivatives to solve problems	6	External
90636	Integrate functions and solve problems by integration, differential equations or numerical methods	6	External
90637	Solve problems and equations involving trigonometric functions	4	Internal
90638	Manipulate real and complex numbers, and solve equations.	5	External
90639	Sketch graphs and find equations of conic sections.	3	External

NCEA LEVEL 3 MUSIC

Pre-requisite: NCEA Level 2 Music **and** HOD approval

Assessment: NCEA Level 3 - 27 Credits are offered with a minimum of 19 credits that must be undertaken.

Course Cost: \$20.00 Composition Pack

Level 3 Music students have the option of undertaking a mixture from the following two courses: **Making Music or Music Studies**. Achievement standards should be chosen in consultation with the music teacher. Students undergoing Making Music should have had at least 5 years of private instrumental tuition. For Music Studies students need to have achieved at least grade 5 or 6 theory level.

Making Music:

ACH STD	Description	Credits	Assessment Mode
90526	Sustain ensemble skills by performing two substantial pieces as member of a group	4	Internal
90775	Compose two substantial original pieces of music	8	Internal
90776	Perform two programmes of music as a featured soloist	8	Internal

Music Studies:

ACH STD	Description	Credits	Assessment Mode
90527	Create an arrangement for an ensemble	4	Internal
90530	Demonstrate an understanding of harmonic and tonal conventions in a range of music	3	External

NCEA LEVEL 3 PHYSICAL EDUCATION

Pre requisite: 14 Credits in Level 2 Physical Education including AS90433 and AS90434 **and** HOD approval.

Assessment: NCEA Level 3 - 19 Achievement Credits

Course Cost: \$85 Includes Tennis lessons and Outdoor leadership.

Students must have cross training and/or running shoes.

ACH STD	Description	Credits	Assessment Mode
90739	Plan a physical activity programme or experience that relates to a personal definition of Hauora	3	Internal
90740	Review a physical activity programme or experience that relates to a personal definition of Hauora	2	Internal
90741	Appraise performance and review a programme for performance improvement, for self or others	5	Internal
90742	Demonstrate performance in a physical activity against nationally developed performance standards	5	Internal
90743	Examine a current physical activity event or trend or issue, impacting on New Zealand society	3	Internal

NCEA LEVEL 3 PHYSICS

Prerequisite: 15 Credits NCEA Level 2 Physics which must include AS 90255 and 90257 (level 2) **and** HOD approval.

Assessment: NCEA Level 3 - 19 Credits

Course Cost: Student Workbook \$55.00

Field trip: This course includes a compulsory field trip to Rainbows End in the third term Cost \$29.00.

ACH STD	Description	Credits	Assessment Mode
90520	Demonstrate understanding of wave systems	4	External
90521	Demonstrate understanding of mechanical systems	6	External
90522	Demonstrate understanding of atoms, photons and nuclei	3	External
90523	Demonstrate understanding of electrical systems	6	External

NCEA LEVEL 3 STATISTICS AND MODELLING (13MAS)

Prerequisite: Either 14 Level 2 credits from the 12 MAT course including AS 90289 (Probability) or 16 credits from the 12MAU course including AS 90289 (Probability) **and** HOD approval.

Assessment: NCEA Level 3 - 20 Credits

ACH STD	Description	Credits	Assessment Mode
90641	Determine the trend for time series data.	3	Internal
90642	Calculate confidence intervals for population parameters.	3	External
90643	Solve probability problems.	4	External
90645	Complete a statistical investigation involving bi-variate data.	3	Internal
90646	Use probability distribution models to solve problems.	4	External
90647	Use mathematical models involving curve fitting to solve problems.	3	Internal

NCEA LEVEL 3 TECHNOLOGY (Hard Materials)

Prerequisite: NCEA Level 2 Technology preferred (although not essential).

Assessment: NCEA level 3 – 24 credits

Course Fees: \$45.00 to cover special materials for 'take home' projects

Year 13 Technology is divided into two areas of study:

1. Materials Technology
2. Computer Graphics

These 2 areas of study are covered by 4 Unit Standards, worth a predetermined amount of credits for each standard - a total of 24 credits. All Unit Standards are internally assessed, which may be moderated as required.

UNIT STD	Description	Credits	Assessment Mode
19355	Produce Scale working Drawings using a Computer Aided Draughting Program	8	Internal
13405	Construct a prototype of a technological solution using a composite material	6	Internal
7530	Use care for fixed machine tools in materials technology.	5	Internal
7531	Select, Apply and Test Joining Processes for Materials Technology	5	Internal

NCEA- LEVEL 3 TECHNOLOGY (Soft Materials)

Prerequisite: NCEA Level 2 Soft Materials Technology preferred (although not essential) **and** HOD approval.

Assessment: NCEA level 3 – 22 credits

Course Fees: \$65.00 for costs related to project materials.

Year 13 Soft materials Technology is divided into two main areas of study. Each area has three categories:

1. Fabric Technology
 - Fashion design and drawings
 - Design and pattern creation
 - Construction of a garment for a formal occasion
2. Food Technology
 - Creativity in meal preparation and presentation
 - Food production and presentation for a formal occasion
 - Specialised nutrition

These two areas of study are covered by five unit standards worth a variety of credits each. All standards are internally assessed.

The course is worth a total of 22 credits at Level 3 NCEA. This is structured as follows:

Six credits for textile garment design and pattern creation and construction

Sixteen credits for food and nutrition

UNIT STD	Description	Credits	Assessment Mode
US6699	Prepare for and construct a garment for a formal occasion.	6	Internal
US15627	Demonstrate creativity in meal preparation and presentation	6	Internal
US6648	Prepare, plan, and serve food for a special occasion	4	Internal
AS90531	Explore a current nutrition issue affecting New Zealand society	6	Internal

NCEA LEVEL 3 TRAVEL & TOURISM

Prerequisite: Level 2 Tourism
Assessment: NCEA Level 3 – 24 credits
Course Cost: \$85.00 Course Workbooks

Students who successfully complete these units and who are accepted as tertiary students on the UNITEC Travel and Tourism programme will not have to repeat these units. Instead they will be offered substitute units at higher levels.

Credits Towards: **National Certificate in Tourism and Travel (Introductory Skills)**

Course: This course is the new registered National Certificate

US ACH	Description	Level	Credit	Cost of Manual
24733 v1	Describe and Promote a NZ Tourist Destination	3	4	\$20.00
18211 v2	Destination Australia	3	10	\$35.00
3727 v2	Destination Pacific Islands	3	10	\$30.00

The resources we are using are available from the ATTTO.

NCEA LEVEL 3 VISUAL ARTS

Prerequisite: NCEA Level 2, minimum of 12 credits **and** HOD approval.
Assessment: NCEA Level 3 - 20 Credits
Course Costs: Field Trips approximately \$30.00

Painting Art Materials Approximately \$85.00 NCEA Boards, A3 Clearfiles and Courier Fees \$37.50

Printmaking Art Materials approximately \$98.00 NCEA Boards, A3 Clearfiles and Courier Fees \$37.50

Design Art Materials approximately \$80.00 NCEA Boards, A3 Clearfiles and Courier Fees \$37.50

Sculpture Art Materials approximately \$55.00 plus construction materials as each student chooses, NCEA Boards, A3 Clearfiles and Courier Fees \$37.50

Students will:

- Use research and analysis to investigate contexts, meanings, intentions and technological influences related to the making and valuing of art works, analysing these contexts relevant to their intentions and to the expression of meanings in their own work.
- Apply understanding from broad and deep research into the characteristics and constraints of materials, techniques, technologies and established conventions in a chosen field: design, painting, printmaking or sculpture. Extend and refine skills in this field using appropriate processes and procedures.
- Generate, analyse, clarify and regenerate options. Use a systematic approach, selectively informed by recent and establish practice, to develop ideas in a body of works.

There are four possible fields in which students may specialise:

Design, Painting, Printmaking and Sculpture.

Students may choose a maximum of **TWO** fields at Level 3 from these, each gaining a possible 20 credits.

The final decision will be at the discretion of Senior Management and the HOD Art.

ACH STD	<i>Description</i>	Credits	Assessment Mode
90516 90663 90665 90666	Investigate and use ideas and methods in the context of a drawing study in design, painting, printmaking or sculpture	6	Internal
90517 90667 90669 90670	Produce original work within design, painting, printmaking or sculpture to show extensive knowledge of art-making methods and ideas	14	External

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