



# KingsWay School Year 12 Options Booklet

## Table of Contents

Page	Content
2	It's time to choose your options for 2010
3	Course Selection Advice
4	Information Programme Outline
5	National Qualifications
6	How to keep your Options open
7	Career / Study Planner
8	Y10 - Y13 Options 2010
9	Course overview Years 12

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

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

# 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 career advisors 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.

It is important when selecting options to be aware of the subject pathways through to Year 13 and note the pre-requisites for each subject. This will help you plan a course for the following year.

However, **initial subject choices MUST be made carefully and realistically** as we are reluctant to make changes once the option lines and timetable for 2010 are set. 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, 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](mailto:bev-d@kingsway.school.nz)

Phone: 09 4270915

The options seminar held on the 3 September (8pm Old Library) will explain the option process, 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 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, 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**

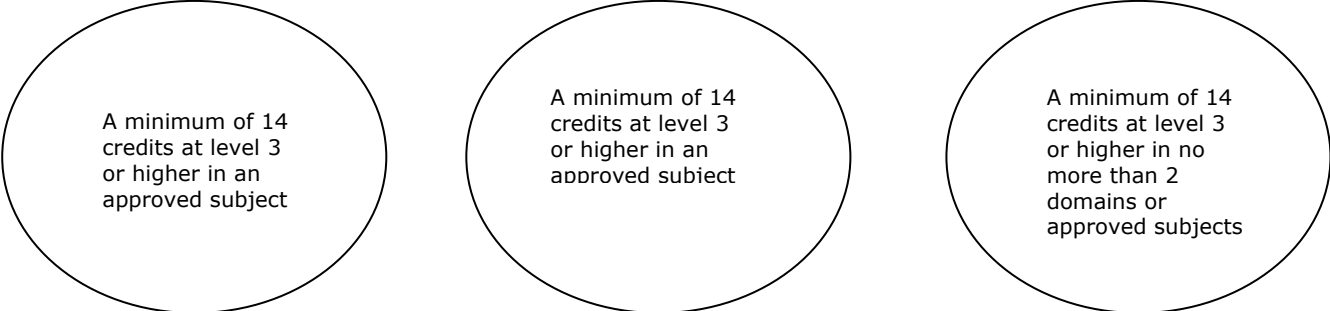
## **YEAR 13**

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 particular courses. Students should also 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](http://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"> <li>• What types of work are you interested in/would enjoy doing?</li> <li>• What type of work would you do in a typical day?</li> <li>• What is the typical salary range annually?</li> <li>• Is this the type of work that God wants you to do?</li> </ul>	<ul style="list-style-type: none"> <li>• How long is the course?</li> <li>• What are the fees each year?</li> <li>• Does this course give you access to more than one occupation?</li> <li>• Which institutions provide training in this field?</li> </ul>	<ul style="list-style-type: none"> <li>• List the subjects required for entry into the course and NCEA credits needed</li> <li>• For degree courses you must also achieve the common entrance standard (see over).</li> </ul>	<ul style="list-style-type: none"> <li>• Most often entry into a course at Year 13 requires that it be taken at Year 12.</li> </ul>	<ul style="list-style-type: none"> <li>• Often entry into a course at Year 12 requires that it be taken at Year 11.</li> </ul>	<ul style="list-style-type: none"> <li>• 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.</li> </ul>

## Year 10 - 13 Options 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 12 Courses for 2010

# Year 12 Options for 2010

## **NCEA LEVEL 2 ACCOUNTING**

*Prerequisite:* 12 credits in (AS90022, AS90024 and AS90026) Level 1 Accounting **and** HOD approval  
*Assessment:* NCEA Level 2 – 20 Credits  
*Course Cost:* \$25.00 towards write on workbooks

This course builds on the level 1 course and brings in an introduction to tax and the use of computer based financial packages (excel and MYOB).

<b>ACH STD</b>	<b>Description</b>	<b>Credits</b>	<b>Assessment Mode</b>
90220	Describe the conceptual basis of accounting for a sole proprietor	3	External
90223	Demonstrate an understanding of accounting processes for accounting subsystems	5	External
90224	Prepare financial statements and related accounting entries for a sole proprietor	5	External
90225	Analyse and interpret information and make recommendations for a sole proprietor business	4	External
90226	Use computer software to process financial transactions for a sole proprietor	3	Internal

## **NCEA LEVEL 2 BIOLOGY**

*Prerequisite:* 14 credits in NCEA Level 1 Science including AS90188 **and** HOD approval  
*Assessment:* NCEA Level 2 – 21 Credits  
*Course cost:* Students Workbook \$30.00. Field Trip approximately \$170.00  
*Field Trip:* There is a compulsory two day field trip in Term One to Goat and Tiri Tiri Matangi Islands. On the trip students will collect data as a requirement for **AS 90460**, as well as study biodiversity and conservation issues. Students will also experience working in a University Marine Biology Laboratory.

Students will investigate, and develop their understanding of:

1. Diversity, structure, function, and interrelationships of living organisms, and their interactions with the abiotic environment;
2. Genetics and evolution;
3. Interactions between humans and their environment, and how these are influenced by development in biological knowledge and technology.

<b>ACH STD</b>	<b>Description</b>	<b>Credits</b>	<b>Assessment Mode</b>
90457	Carry out a practical biological investigation with supervision	3	Internal
90459	Describe concepts and processes that relate to genetic variation and change	3	External

90460	Investigate an interrelationship or pattern in a population or community	3	Internal
90461	Describe concepts and processes relating to ecology	3	External
90462	Describe diversity in the structure and function of animals	3	External
90464	Describe cell structure and function	3	External
<b>US8928</b>	Use of a microscope, slide making and drawing	3	Internal

## **NCEA LEVEL 2 CHEMISTRY**

*Prerequisite:* 14 credits in Level 1 Science including Merit/Excellence in AS90189 **and** HOD approval  
*Assessment:* NCEA Level 2 – 21 Credits  
*Course Cost:* Student Workbooks \$45.00

Chemistry is the study of the composition and properties of matter, and its reactions. Y12 Chemistry is heavily practical with an emphasis on learning and enjoyment.

<b>ACH STD</b>	<b>Description</b>	<b>Credits</b>	<b>Assessment Mode</b>
90305	Qualitative analysis: precipitation reactions	2	Internal
90763	Measuring and quantifying in chemistry	3	Internal
90308	How do atoms join together and how does this affect their properties?	4	External
90309	Fuels, alcohols, hydrocarbons and making things with Chemistry	4	External
90310	Energy, equilibrium reactions, rates of reactions and acid and base reactions	4	External
90311	Dynamic reactions involving electron transfers	4	External

## **12/13 COMPUTING (Level 2 & 3) 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:

<b>US/AS STD</b>	<b>Description</b>	<b>Credits</b>	<b>Assessment Mode</b>
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:

<b>US/AS STD</b>	<b>Description</b>	<b>Credits</b>	<b>Assessment Mode</b>
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.

<b>US/AS STD</b>	<b>Description</b>	<b>Credits</b>	<b>Assessment Mode</b>
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 2 DANCE**

*Prerequisite:* NCEA Level 1 Dance or HOD Approval

*Assessment:* NCEA Level 2 – 20 Credits

*Course Cost:* Performance Pack \$10.00 Course Workbooks \$15.00  
Workshop fees \$15.00

This course is made up of five achievement standards totalling 20 credits. It is split up into three categories of study: Dance choreography, dance performance and dance perspectives. The course is structured around the following performance, knowledge and skills areas. Students can select various genres of dance in which they would like

to specialise. There is a high level of commitment expected with the rehearsal process prior to performances.

<b>ACH STD</b>	<b>Description</b>	<b>Credits</b>	<b>Assessment Mode</b>
90293	Dance Choreography: Choreograph a section of dance for a group.	5	Internal
90294	Dance Choreography: Choreograph a solo dance.	5	Internal
90295	Dance Performance: Perform an ethnic or social dance	3	Internal
90296	Perform in a theatre dance work	3	Internal
90297	Analyse and discuss a dance performance	4	External

## **NCEA LEVEL 2 DRAMA**

*Prerequisite:* 14 credits in Level 1 Drama **and** HOD approval

*Assessment:* NCEA Level 2 – 19 Credits

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

This course is structured around the following performance, knowledge and skills area. Students are expected to maintain a portfolio which will contain crucial information for internal assessment activities.

<b>ACH STD</b>	<b>Description</b>	<b>Credits</b>	<b>Assessment Mode</b>
90299	Apply drama techniques in an improvised group context	2	Internal
90302	Apply knowledge of a drama/theatre form or period through performing a role in a presentation	5	Internal
90300	Apply drama techniques in a group within scripted context	3	Internal
90303	Perform a substantial acting, technical or production role	5	Internal
90301	Structure, record and perform devised drama using elements and conventions.	4	Internal

## **NCEA LEVEL 2 ECONOMICS**

*Prerequisite:* 12 credits in Level 1 Economics **and** HOD approval

*Assessment:* NCEA Level 2 – 24 Credits

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

This course explores the Economic issues of trade, growth, inflation and Government intervention. Why are they issues, how are key factors measured, what role does government play in each and how fair are the outcomes?

<b>ACH STD</b>	<b>Description</b>	<b>Credits</b>	<b>Assessment Mode</b>
90794	Describe inflation and its causes and effects using economic models	4	External
90795	Describe international trade and its causes and effects using economic models	4	External
90796	Describe economic growth and its causes and effects using economic models	4	External
90797	Process and present statistical data in relation to given economic issues.	6	Internal
90798	Describe government policies in relation to economic issues	6	External

## **NCEA LEVEL 2 ENGLISH WITH ACHIEVEMENT STANDARDS**

*Prerequisite:* 14 credits at NCEA Level 1 **and** HOD approval

*Assessment:* NCEA Level 2 – 21 credits

The Year 12 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.

<b>ACH STD</b>	<b>Description</b>	<b>Credits</b>	<b>Assessment Mode</b>
90374	Deliver a presentation using oral and visual language techniques	3	Internal
90375	Produce crafted and developed creative writing	3	Internal
90376	Produce crafted and developed formal transactional writing	3	Internal
90377	Read, study and understand extended written text(s)	3	External
90378	Read, study and analyse a number of short written texts	3	External
90379	View/Listen to, study and analyse a visual/oral text	3	External
90380	Read unfamiliar texts and analyse the ideas and language features	3	External

## **12ENU: ENGLISH WITH UNIT STANDARDS**

*Prerequisite:* Nil

*Assessment:* Level 2 Unit Standards – 22 Credits

<b>UNIT STD</b>	<b>Description</b>	<b>Credits</b>	<b>Assessment Mode</b>
1294	Be interviewed in a formal situation	2	Internal
2989	Read and assess texts to gain knowledge	4	Internal

3492	Write a short report	4	Internal
8825	Produce transactional written text in complex form	5	Internal
9677	Participate in group/team which has an objective(s)	3	Internal
12905	Read an inclusive variety of written texts and record the reading experience	4	Internal

### Possibility for student extension

8823	Investigate a theme across a range of texts	4	Internal
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### Year 12 ESOL

*Prerequisite:* Nil  
*Assessment:* NCEA Level 2 – Up to 22 credits  
 UE Literacy credits L2  
 Preparation for 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)

US STD	LEVEL	Description	Credits	Assessment Mode
12905	ENG L2	Wide reading (literacy requirement)	4	Internal
12420	ENG L2	Reading (literacy requirement)	4	Internal
17360	ESL L2	Participate in a Conversation	5	Internal
17359	ESL L3	Talking (formal interview about yourself)	5	Internal
8812	ENG L1	Produce Transactional Written Texts	4	Internal
		<b>OR</b>		
17368	ESL L2	Write Simple Information Text	5	Internal
15010	ESL L3	Understanding spoken instructions	5	Internal
UE		IELTS/TOEFL	Externally Arranged	

### NCEA LEVEL 2 GEOGRAPHY

*Prerequisite:* 14 Credits at NCEA Level 1 **and** HOD approval  
*Assessment:* NCEA Level 2 – 21 Credits  
*Course Cost:* Field trip approximately \$30.00

This course continues to develop geographic skills and looks at how man interacts within both the natural and cultural environment. Topics include:

- (a) Natural Landscapes – Amazon Basin and South Island High Country
- (b) Disparities in Development – USA and Tanzania

In addition studies will be selected by the school which involve individuals and/or groups in field work and practical work.

This course includes field trips to Piha Drainage Basin and Auckland City.

<b>ACH STD</b>	<b>Description</b>	<b>Credits</b>	<b>Assessment Mode</b>
90331	Explain Natural Landscapes	3	External
90333	Explain Disparities in development within or between countries	3	External
90334	Apply skills and ideas, in a geographic context	4	External
90335	Conduct guided geographic research	5	Internal
90336	Explain a contemporary geographic issue	3	Internal
90337	Explain a global study	3	Internal

## **NCEA LEVEL 2 GRAPHICS**

*Prerequisite:* 14 Credits at NCEA Level 1 **or** HOD approval

*Assessment:* Level 2 NCEA Achievement Standards – 24 Credits

Year 12 Graphics is divided into 4 main areas of study:

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

<b>ACH STD</b>	<b>Description</b>	<b>Credits</b>	<b>Assessment Mode</b>
90318	Produce two dimensional and three dimensional annotated freehand sketches to show design ideas	3	External
90319	Produce orthographic drawings.	3	External
90320	Produce two dimensional and three dimensional instrumental drawings.	3	External
90322	Produce mock-ups and model to explore design ideas.	3	Internal
90323	Design and present a solution for an architectural or environmental brief.	3	Internal
90325	Design and present a solution for a media or technical illustration brief.	3	Internal
<b>US7481</b>	Produce design ideas and images using computer graphics programs	3	Internal
<b>US18995</b>	Produce axonometric drawings	3	Internal

There is no final examination for NCEA Level 2 Graphics

## **NCEA LEVEL 2 HISTORY**

*Prerequisite:* 14 credits at Level 1 History **OR** Level 1 English (Merit in reading and writing standards) **and/or** HOD approval

*Assessment:* NCEA Level 2 – 20 Credits

*Course Cost:* Approximately \$260.00 for Field Trips

Year 12 History looks at interesting issues that have shaped our modern world. Three case studies will explore the global impact of government and political change, international relations, the search for security and the emergence of new nations.

Two Internal Achievement Standards (90465 and 90466) will cover two assessments, the content for which may or may not be related to the selected topics. At least one of the internal assessments will involve field work and using primary resources.

<b>ACH STD</b>	<b>Description</b>	<b>Credits</b>	<b>Assessment Mode</b>
90465	Plan and carry out an historical inquiry	4	Internal
90466	Communicate historical ideas to demonstrate understanding of an historical context	4	Internal
90467	Examine evidence in historical sources	4	External
90469	Examine how a force or movement in an historical setting influenced peoples' lives, in an essay	4	External
90470	Examine individual or group identity in an historical setting, in an essay	4	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. There is also opportunity for Y12 students to enter an interschools debating competition, and a national Young Historians Award.

### **Coursework Costs:**

This class will be involved in several field trips over the course of the year including a major trip to the Queen Elizabeth II Military Museum and research library with accommodation at the Army Base in Waiouru. Additional local trips will also take place.

## **NCEA LEVEL 2 JAPANESE**

*Prerequisite:* Gained a minimum of 12 credits in NCEA Level 1 Japanese

*Assessment:* NCEA Level 2– 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 11 Japanese course. The following topics are covered in more depth giving students a deeper awareness of contemporary life in Japan - family life, eating and drinking, school life and leisure. 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, sit Australian Language Certificate Level 3 and to be part of the KingsWay School Japan Tour in the September/October school holidays 2010.

<b>ACH STD</b>	<b>Description</b>	<b>Credits</b>	<b>Assessment Mode</b>
90484	Listen to and understand spoken Japanese in less familiar contexts	6	External
90485	Give a prepared spoken presentation on a less familiar topic	3	Internal
90486	Converse in Japanese in a less familiar context	3	Internal
90487	Read and understand written language in Japanese in less familiar contexts	6	External
90488	Write text in Japanese on a less familiar topic	3	External

## 12MAT: MATHEMATICS WITH ACHIEVEMENT STANDARDS

*Prerequisite:* 16 Credits in Level 1 Mathematics Achievement Standards including AS 90147 (Algebra) **and** HOD approval.

*Restriction:* Students can only take **one** of 12MAT and 12MAU.

*Pathway:* Students can progress from this course to 13MAC and/or 13MAS.

*Assessment:* NCEA Level 2 – 20 Credits

<b>ACH STD</b>	<b>Description</b>	<b>Credits</b>	<b>Assessment Mode</b>
90284	Manipulate algebraic expressions and solve equations.	4	External
90285	Sketch and interpret non-linear graphs.	3	External
90286	Find and use straightforward derivatives and integrals.	4	External
90287	Solve problems using a coordinate geometry method.	2	External
90288	Select a sample and make inferences from the data.	3	Internal
90289	Simulate probability situations and apply the normal distribution.	2	Internal
90292	Solve straightforward trigonometric equations.	2	External

## 12MAU: MATHEMATICS WITH UNIT STANDARDS

*Prerequisite:* 14 Credits in Level 1 Mathematics **and** HOD approval.

*Restriction:* Students can only take one of 12MAT and 12MAU.

*Pathway:* Students can progress from this course to 13MAS.

*Assessment:* NCEA Level 2 – 21 Credits

<b>ACH STD</b>	<b>Description</b>	<b>Credits</b>	<b>Assessment Mode</b>
90288	Select a sample and make inferences from the data.	3	Internal
90289	Simulate probability situations. Apply the normal distribution.	2	Internal
<b>US5244</b>	Demonstrate calculus skills	2	Internal
<b>US5249</b>	Use networks to find optimal solutions	2	Internal
<b>US5251</b>	Trigonometry	3	Internal
<b>US5260</b>	Find and use derivatives to solve problems involving rates of change	2	Internal
<b>US5261</b>	Find and use integrals to solve problems	2	Internal
<b>US12318</b>	Use surveying techniques and maths to solve problems relating to maps and plans	3	Internal
<b>US12332</b>	Statistics measures & displays	2	Internal

## NCEA LEVEL 2 MUSIC

*Prerequisite:* NCEA Level 1 **or** HOD approval. Students should have had private instrumental tuition for at least three years.

*Assessment:* NCEA Level 2 – 19 Credits

*Course Cost:* \$37.00 Aural Book and \$16.00 Composition/Performance Pack

The year's course of study is structured around the following performance, knowledge and skills areas.

<b>ACH STD</b>	<b>Description</b>	<b>Credits</b>	<b>Assessment Mode</b>
90264	Present contrasting performances as a featured soloist	5	Internal
90265	Present a music performance as a member of a group	2	Internal
90266	Compose effective pieces of music	5	Internal
90267	Create an Instrumentation	2	Internal
90268	Identify, describe and transcribe elements of music through listening to a range of music	3	External
90269	Demonstrate an understanding of the materials and processes of music in a range of scores	2	External

## NCEA LEVEL 2 PHYSICAL EDUCATION

*Pre requisite:* Pass in AS90067, AS90068 and AS90524 at Level 1 Physical Education **or** HOD discretion.

*Assessment:* NCEA Level 2 – 21 Credits

*Course Cost:* \$120. Includes Sailing, Leadership Training and Tennis. Students must have cross training and/or running shoes.

<b>ACH STD</b>	<b>Description</b>	<b>Credits</b>	<b>Assessment Mode</b>
90432	Examine the relationship between physical activity and health and implications for society	3	Internal
90433	From observation, examine how principles of anatomy and biomechanics relate to physical activity.	3	Internal
90434	Describe principles and methods of training	2	Internal
90436	Demonstrate performance in two contrasting physical activities	5	Internal
90438	Plan, apply and review leadership strategies in a group or team physical activity	3	Internal
90439	Demonstrate knowledge of safety issues	2	Internal
<b>US12545</b>	Describe the structure and function of the skeletal system and the muscular system in the human body.	3	Internal

## NCEA LEVEL 2 PHYSICS

*Prerequisite:* 14 Credits NCEA Level 1 Science which must include AS 90191 (Science 1.6 – Physics) and Level 1 Mathematics Achievement Standards, including one of 90147, 90148 or 90152 AND one of 90151 or 90150 **and** HOD approval).

*Assessment:* NCEA Level 2 – 21 Credits

*Course Cost:* Student Workbooks \$40.00

<b>ACH STD</b>	<b>Description</b>	<b>Credits</b>	<b>Assessment Mode</b>
90252	Take measurements of physical quantities and analyse data graphically to determine a relationship	4	Internal
90254	Demonstrate understanding of wave phenomena	4	External
90255	Demonstrate understanding of mechanics	6	External
90256	Demonstrate understanding of atoms and radioactivity	2	External
90257	Demonstrate understanding of electricity and electromagnetism	5	External

## NCEA LEVEL 2 TECHNOLOGY (Hard Materials)

*Prerequisite:* Level 1 Technology preferred, although not essential.

*Assessment:* NCEA Level 2 – 22 credits

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

Year 12 Technology is divided into several areas of study:

1. Electro-Technology
2. Materials Technology
3. Computer Graphics

These 3 areas of study are covered by 6 Unit Standards, worth a predetermined amount of credits for each standard - a total of 22 credits. All Unit Standards are internally assessed, which may be moderated as required.

<b>UNIT STD</b>	<b>Description</b>	<b>Credits</b>	<b>Assessment Mode</b>
<b>US7525</b>	Select materials and establish processes for a manufacturing task	4	Internal
<b>US7526</b>	Use and care for portable machine tools used in materials technology	4	Internal
<b>US7527</b>	Apply fabrication, assembly, and finishing methods in materials technology	4	Internal
<b>US7528</b>	Work to design tolerances using marking out tools safely in materials technology	4	Internal
<b>US2433</b>	Create two dimensional engineering drawings using computer aided design system	6	Internal

There is no final examination for Unit Standards based Technology- Level 2

## NCEA LEVEL 2 TECHNOLOGY (Soft Materials)

*Prerequisite:* Level 1 Technology preferred, although not essential.  
*Assessment:* NCEA Level 2 – 18 credits  
*Course Cost:* \$60.00 for costs related to project materials.

Year 12 Soft materials Technology is divided into two main areas of study. Each area has three categories:

1. Food Technology
  - a) Exploring nutritional concerns in our nation.
  - b) Researching Vegetarianism
  - c) Practical cooking and meal planning for a specific population area.
2. Fabric Technology
  - a) Learn how to design and produce fashion drawings
  - b) Incorporate recognisable influences of the past in a new apparel design
  - c) Under-garment construction

These two areas of study are covered by one achievement standard, and three unit standards worth a variety of credits each. All standards are internally assessed, but moderated by NZQA.

UNIT STD	Description	Credits	Assessment Mode
AS90243	Explore a nutritional concern for a targeted group.	4	Internal
US6644	Provide food for a vegetarian	6	Internal
US6692	Prepare for and construct a leisure garment	5	Internal
US16837	Prepare and produce fashion drawings	3	Internal

## NCEA LEVEL 2 TRAVEL & TOURISM

*Prerequisite:* Nil  
*Assessment:* NCEA Level 2 - 24 credits  
*Course Costs:* \$115.00 Course Workbooks bought from the ATTO

Students who successfully complete these units and who are accepted as tertiary students into the 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 (Introductory Skills) (Level 2) [Ref: 0875] Version 2**

**Field:** Service Sector  
**Sub Field:** Tourism  
**Domain:** Visitor Services

	Compulsory	Elective	Total
Level 2 Credits	18	6	24
minimum totals:	18	6	24

Course: This course is the new registered National Certificate

<b>UNIT STD.</b>	<b>Description</b>	<b>Level</b>	<b>Credit</b>	<b>Cost</b>
24728	Work Roles in Tourism	2	3	\$15.00
24729	World Tourist Destinations	2	4	\$15.00
24730	The Business of Tourism	2	4	\$15.00
24731	Destination New Zealand	2	4	\$15.00
24732	Tourist Characteristics & Needs	2	3	\$15.00
<b>Compulsory Electives</b>				
18237	Calculation	2	3	\$20.00
23767	Internet in Tourism	2	3	\$20.00
* 24725	Impacts: Economic *(extension offered to students)	3	4	\$20.00

## **NCEA LEVEL 2 VISUAL ARTS**

*Prerequisite:* 15 Credits NCEA Level 1 including 90020 **and** HOD approval  
*Assessment:* NCEA Level 2 - 18 credits  
*Course Costs:* Field Trips approximately \$30.00  
 Art Materials approximately \$105.00 and NCEA Boards and A3 Clearfile \$18.00

Students will:

- Research and analyse the influences of contexts on the characteristics and production of art work by a range of artists and then apply understanding from this research in their own art works through using a variety of media, techniques and technologies.
- Use critical analysis to interpret and respond to art works.
- Generate, analyse, clarify and extend ideas in painting, printmaking and sculpture using a systematic approach.

<b>ACH STD</b>	<b>Description</b>	<b>Credits</b>	<b>Assessment Mode</b>
90233	Research information, methods and ideas in the context of a drawing study in painting.	6	Internal
90234	Generate and develop ideas using drawing processes and procedures in sculpture	6	Internal
90478	Generate and develop ideas using drawing processes and procedures in printmaking	6	Internal

## NOTES

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