



Option Choice
Booklet
Year 13
2010

Option Choice for Year 13 2010

Dear Student,

We are going to change the way that options are chosen this year to try to ensure that as many students as possible start 2010 with the courses they want.

IF YOU WANT TO MAXIMISE THE CHANCES OF YOUR CHOICE OF COURSES BEING AVAILABLE IT IS VITAL YOU COMPLETE THE PROCESS BY THE DEADLINE.

Term 3 Weeks 1 – 4

Discuss the options you wish to choose with your parents and class teachers. You should choose 5 courses in order of preference plus a back-up in case your first choice is not possible. Complete the option choice form at the back of this booklet, detach and bring to House Group on Wednesday 12th August.

Term 3 Week 4 – Wednesday 12th August

All students should bring to House group the option choice form from the back of this booklet, listing the courses they wish to follow in 2010. These choices need to be given in order of preference. Students should discuss these choices with their House Group teacher to ensure that they have chosen appropriate subjects.

Week before School starts 2010

All students are advised to meet with their Dean during this time to ensure that the courses they have chosen are available and compatible with the results they have attained.

Notes

- 1 Sports Academy is a double option and cannot be chosen with PE.
- 2 If you are considering going to university in 2011 you are advised to select AT LEAST 4 approved courses.

The Gateway Programme:

Gateway is provided to senior students at Rotorua Boys High School for the opportunity to experience their possible career choice and participate in structured workplace learning *before* they leave school. Gateway supplements and complements students existing academic programme at school. Students will gain work experience and credits in the industry of their choice. In the workplace the staff and managers take on a mentoring role and provide a safe work environment in which they can experience the 'job reality' of their possible career before going onto further study at Polytechnics, Universities or out into the workforce.

Gateway develops an individual learning plan with standards relating specifically to the student's industry choice and the employer.

Placements in 2009 have been in:

Hotel Management	Butchery	Building	Farming
Chemical Engineering	Teaching	Electrical	Uniformed Forces
Automotive	Tourism	Retailing	Criminal Law
Radio Presenting	Chef	Pharmacy	Plumbing

Gateway should be able to provide a work placement in the industry desired by the student. Students need to be focused and committed to achieving while on this programme. Generally it is one day a week, for up to 10 visits.

If you are interested in taking up a Gateway placement next year you must speak Ms Adlam in the Future Pathways centre in the Millennium Centre and indicate your industry of choice on the option form.

Accounting (3ACC)

Prerequisites

Level 2 Accounting or HOD permission

Course Description

This course covers the conceptual basis of Accounting, processing financial information for partnerships and companies, manufacturing job cost system, reporting financial information, analyses and interpreting and management decision making. Students can gain 24 credits. This is an approved subject for University entrance.

Pathways

Tertiary or University Degrees in Finance and Accounting, recognition as a chartered accountant

Biology (3BIO)

Prerequisites

15 Credits from level 2 Biology

Course Description

Achievement and unit standards based course: DNA & gene expression, patterns of evolution, human evolution, animal and plant responses, biotechnology.

Pathways

University entrance to biology-related courses

Business Management (2BUS)

Prerequisites

NCEA Level 1 with Numeracy and Literacy. Also available to Year 13 students.

Course Description

This course covers the areas of:

Young Enterprise Scheme- which involves students working as a team to establish a real business. The process involves setting up a business from designing your own unique product to developing, marketing and selling the product.

Management Theory which involves looking at the theory behind modern day business management practise

Marketing – learning about marketing strategies and developing a marketing mix and preparing a marketing plan.

Students can gain 44 credits from this course and can cross credit them towards a National Certificate in Management. Level 3 Unit standard Credits can be used towards University Entrance. Level 3 New Zealand Institute of Management credits can be used in the credit inclusion process.

Pathways

Leads onto Business Management at Tertiary Level

Chemistry (3CHE)

Prerequisites

16 credits from Level 2 Chemistry

Course Description

Achievement and unit standards based course: redox processes, organic chemistry, thermochemical principles, acid-base solutions, enthalpy.

Pathways

University entrance to chemistry-related courses

Chinese (3CHI)

Prerequisites

12 credits from Level 2

Course description:

This Course builds on the Year 12 programme further developing communication skills in linguistic and sociocultural contexts.

Students learn to use the language and make meaning as they grow in their language and cultural knowledge, to become more effective communicators using language variably to analyse, interpret and critically respond to texts

Classical Studies (3CLS)

Prerequisites

Prior consultation with Teacher in Charge of Classical Studies if Level Two English has not been achieved

Course Description

This course studies various aspects of the Classical world including: Virgil' Aeneid, a story about a hero's wandering in the Mediterranean Sea before his arrival in Italy where one of his descendants would found the city of Rome; Alexander the Great. A history of one of the world's great generals who conquered the known world before he dies aged 33; Greek Vase Painting, in which the major stories of Greek mythology are studied from pictures on the sides of Greek wine and oil containers; Socrates, a study of one of the founders of philosophy who asked the questions that society still asks, namely how do we know what is right and what is wrong.

Pathways

Degree in classics or a more enlightened education

Commerce (2CMC)

Prerequisites None

Course Description

This course covers basic skills that are an advantage to those looking at going into the workforce. The course is a modular course and covers the aspects of:

Basic Computing e.g. Use data entry and Create a simple computer spreadsheet to solve a problem

Financial Literacy e.g. Produce a balance budget for a family or household and Describe implications of independent living.

Employment skills e.g. Produce a targeted resume, digital portfolio and Obtain job search skills.

Students can gain up to 40 credits at Level 2 from this course.

Digital Technologies - Business (3DTB)

Prerequisites

12 credits at Level 2 ICT or Computing

Course Content

This course covers a selection of Unit Standards at Level 3. Credits gained in this course go towards the National certificate in Computing Level 3. The National Certificate in Computing Level 3 consists of compulsory units and also 20 credits from elsewhere on the framework. Level 3 Credits can be used for University Entrance.

Pathways

Study of Computer Science at University

Digital Technologies - Programming (3DTP)

Prerequisites

15 Credits in Level 2 computing or ICT, or by approval of HOD. It would be an advantage to have previous knowledge of computer programming in Basic or Visual Basic.

Course Content

A selection of Unit Standards at Level 3 and Level 4 will be offered. These will enable students to complete the NZ Certificate in computing Level 3 and to gain credits at Level 3 NCEA. Particular emphasis will be placed on programming skills and approximately ½ of the year will be allocated to this.

Pathways

Leads onto study at Tertiary Level

Economics (3ECO)

Prerequisites

None

Course Content

This course covers Micro and Macro Economics. It looks at the working of the economy and how government policies affect trade and the money supply. The operation of the market system and how decisions are made within the economy is covered. This course is made up of unit standards and achievement standards which are approved for University entrance. Students can gain up to 30 credits from this course.

Pathways

Leads onto study at Tertiary Level

English (3ENA)

Prerequisite

2ENA/ENG Course. At least 16 Credits including: 2.1/ 2.2 / 2.3, 2.4 or 2.5/2.6/2.8 (Research)

Course Description

A full L3 Achievement Standard course. Scholarship will be offered. This course includes compulsory study of a Shakespearean play. The external achievement standards are 3 critical response essays of at least 600 words. This course is for competent English students.

Pathways: Tertiary Study : English is often a prerequisite for other Uni Courses e.g. Applied Science, Medicine, Law

English Communication (3ENG)

Prerequisites

2ENA/2ENG Course. 16 CREDITS IN ENGLISH. + L2 Literacy=Writing=2 of these standards: 2.1,2.2 ,2.3, 2.4 or 2.5. Reading = 2 of these standards: 2.6, 2.8,2.3 or 2.4.

Course Description

A mixture of Achievement Standards and Unit Standards.

Term 1= Written Text : Reading written text, writing a short story. Essay writing in preparation for 3.2.

Term 2= Visual Text: Studying Films and visual media. Essay writing in preparation for 3.4

Term 3= Research and understanding of text: A research project on language and themes.

Reading and understanding a range of written text: Novel, Poetry, Magazine columns.

Term 4= Resubmissions for internal standards. Preparation for external exams. It is the same as 3ENA but we do not study Shakespeare.

Pathways:

Tertiary study : Communication/ Advertising/ Journalism.

English Unit Standards (3ENB)

Pre requisites

You must have L2 Literacy to choose this course.

Course description

It is an internally assessed course, a mixture of Achievement Standards and Unit Standards.

Prerequisites:14 credits in English + Writing :AS. 2.1 and 2.2+ Reading: 2989,12419

IF YOU DO NOT ACHIEVE L2 LITERACY YOU CANNOT CHOOSE A LEVEL 3 ENGLISH COURSE.

Food and Nutrition (3FNU)

Prerequisites

Completion of NCEA Level 1 and 2 Food and Nutrition courses and/or the Level 2 Food and Hospitality course would be an advantage.

Course Description

This is a practical and theoretical course that aims to prepare students for independent living and/or further study in this field. Course content, at NCEA Level 3, includes the study of foods, food safety and hygiene, nutrition and meal planning, food choices and eating patterns, culinary arts/practical skills.

Pathways

A career in the Food and Hospitality industry; further study in the field of Home Science or related fields e.g. tertiary study in Physical Education.

Forestry (3FSY)

Prerequisites

Completion of the National Certificate in Forestry – Foundation Skills (Level 2) or by Consultation with the HOD

Course Description

This course is suitable for a wide range of students. Obviously for those interested in a career in either Forestry or solid wood processing it is an excellent start. There is a growing demand worldwide for timber and timber products. New Zealand is well placed in being able to supply the growing world-wide demand for this natural and renewable resource and consequently there is a growing demand for skilled people to enter this industry. Level 3 credits earned as part of this course can be used to contribute towards achieving university entrance. This subject, together with another one can be used to accumulate 14 Level 3 credits as 'third' subject.

Pathways

Forest Management either at Diploma Level or a Degree in Forestry or Forest Engineering

Geography (3GEO)

Prerequisites

12 credits at Level 2 Geography or by application to the HOD

Course Description

Geography at Level 3 focuses on individual research and the application and development of skills acquired in Geography Level One and Two. We cover natural processes with case studies of the Tongariro and Rotorua Volcanic centres. Tourism Development is our human geography focus. Geography skills and knowledge are extremely useful in natural science degrees as well as arts and people orientated tertiary studies. It is of particular use in courses related to Planning and Decision Making and professions linked to the Resource Management Act.

Pathways

Leads to tertiary study

Graphics (3GRA)

Prerequisites

To qualify for level 3 Graphics you need to have completed a level two course of study.

Course Description

The course covers a mixture of Architectural, Engineering and Media units that are made up from 24 Achievement standards, 15 of which are internal and 9 are external. The external standards are moderated. Students will work from a number of design briefs through the year to obtain the required drawings. All graphics courses cover the research, design, and final drawings of the topic including scale models of your chosen design.

Pathways

Leads to tertiary study

History (3HIS)

Prerequisites

12 credits or better in Level 2 History or English or by application to the HOD

Course Description

The course covers New Zealand in the 19th Century with two independent studies of the students own choosing. It involves research with guidance from the subject head. You will develop skills of analyse and be able to evaluate evidence in historical sources. You will examine the decisions made by individuals and their implications for future generations. This knowledge and the skills acquired are all directly applicable to modern life.

Pathways

Leads to Tertiary study in History, law, journalism and public relations

Maori Carving (3MCA)

Prerequisites

This course is open to students who have a passion for learning about culture and who are capable of producing artwork to the required standard. As numbers are limited preference will be given to students who have demonstrated these qualities in previous years.

Course Description

Students will choose between the prescribed course or opt for a range of alternative credits that will compliment previous learning. At this level students will define a course of study suitable to their interests. They must have had previous experience and can show independent working ability to produce quality. From a body of work students will complete a final product demonstrating their ability at this level. Topics may be chosen from traditional or contemporary contexts.

Pathways

This is the third and final level of senior carving at Rotorua Boys' High School. Students who complete this course will have the option of making a portfolio for entry into tertiary education in either carving or art related courses. A portfolio is also useful if pursuing a vocation with any of the local commercial carving operators.

Maori Performing Arts (3MPA)

Prerequisites

Nil

Course Description

This course is based on both Unit Standards and NCEA Standards.

Unit Standards involve:

- Te Reo
- Kapahaka including waiata, waiata-a-ringa, poi and haka

NCEA Standards involve:

- Compositions for Kapahaka
- Arranging of the compositions into vocal and instrument parts
- Performance as an individual and in a group
- Historical and contemporary studies of kapahaka

Pathways

Employment in Maori Performing Arts

Mathematics with Calculus (3MAC)

Prerequisites

At least 16 credits in Level 2 (including 2.1, 2.3 and 2.8) or AS grade C

Course Description

This is a full mathematics course for those students who are interested in studying subjects such as Sciences and Engineering. The manipulation of algebra is an integral part of the course so students need to be proficient. Students will further explore Trigonometry and Calculus throughout this course.

Pathways

Further study or employment

Statistics and Modelling (3MAS)

Prerequisites

At least 16 credits in Level 2 or successful completion of the 2MAS course

Course Description

This is a full mathematics course for those students who are interested in studying subjects such as Social Sciences and the Arts. The main focus will be the different ways to manipulate and analyse data to support an argument.

Pathways

Further study or employment

Music (3MUS)

Prerequisites

Level 2 Music or ability to play a musical instrument to a high standard.

Course Description

This course is based on NCEA Standards and involves

- Performance of a music programme as a member of a group and artist
- Presentation and portfolio of music compositions
- Arrange music
- Music Studies – research and comparisons of music works
- Research a music topic

Pathways

Further study or employment

Physical Education (3PED)

Prerequisites

12 credits or better in Level 2 Physical Education

Course Description

If you are interested in working with sports teams or individuals in the sport, or in the leisure or recreation industry, Physical Education could be for you. This is an approved subject. This course has both practical and theoretical components. It is an NCEA course that offers 24 credits. These credits are all internally assessed achievement standards. This course has a large theoretical base with practical components. This course includes elements of modern Physical Education, Health, and Outdoor Education such as: anatomy, bio-mechanics, event planning and organisation, sociology of sport, and sports performance. This course also has an exciting and challenging outdoor expedition where you will learn and apply a vast array of survival skills.

Pathways

The course can lead on to tertiary education or a career in medicine, sports medicine, nursing, exercise prescription, teaching, work in recreation and fitness, sport marketing/management/journalism/ technology and research.

Physics (3PHY)

Prerequisites

16 credits in Level 2 Physics including passes in Mechanics and Electricity plus AS90247 Algebra from Level 2 Maths

Course Description

Achievement and unit standards based course: waves, mechanics, atomic structure, electrical systems.

Pathways

University entrance to physics-related careers

Electrical Trades employment with application of Physics

Sports Academy (3SAC)

If you wish to choose Sport Academy you must discuss this option with Mr Hunt.

Engineering/Woodturning (3TEC)

Prerequisites

18 Credits in Level 2 Automotive, Level 2 Building Timber Trade, Level 2 Technology.

Course description

This course provides the students a more in depth look into the skills required in becoming involved in Engineering and Woodturning.

The majority of terms one and two are spent in the classroom completing unit standards that are compulsory to complete this course. In terms three and four your time will be split between the classroom and the workshop.

Students have the opportunity to learn more about Engineering and fabrication. Students get the chance to learn a wide range of welding techniques that go far beyond the Mig Welder.

Students need to purchase and bring to every class an A4 lined book and pencil.

Pathways:

Automotive Mechanic, Automotive Electrical Engineer , Automotive Electrician, Civil Engineering

Te Reo Maori (3TRM)

Prerequisites

To qualify for the 3TRM programme you must have achieved at least 16 credits in NCEA Level 2 Te Reo Maori.

Course Description

There are three internal and two external standards. You may also take some assessments for Unit Standard credits.

Pathways

This course leads on to Waikato University papers, Te Pihinga I and II. Progression to Te Pihinga requires 16 Level 3 Achievement Standard credits.

Te Reo Rangatira (3TRR)

Entry to these programmes will be by negotiation with the HOD Maori language. These assessments have been set up specifically to challenge students who have had their schooling in immersion Maori.

Tourism (3TOU)

Pre requisites

None

Course Content

This course looks at New Zealand and its closest neighbours in the Pacific. It concentrates on looking at the Destinations of New Zealand, Australia and Pacific Islands e.g. Fiji and Vanuatu. Students gaining these credits will gain an in-depth understanding of these areas in relation to the travel industry.

Students can gain 20 credits in this course and these credits go towards the National Certificate in Tourism and Travel Level 2 and 3. Level 3 Credits can be used towards university entrance.

Pathways

Study of Tourism at Tertiary Level or jobs within the Tourist industry

Visual Arts (3ART)

Prerequisite

Completion of Year 12 Visual Art and at least 18 Level 2 credits

Course Description

The work produced throughout the year will be assessed in two different ways:

Internal assessment assignments and activities carried out throughout the year (10 credits).

External assessment will be by a three panel folio board submission at the end of the year (14 credits).

Please note at this level students are expected to negotiate their own topic and apply it to an investigation in painting.

Pathways

This course is designed for those students interested in pursuing visual arts in a tertiary setting, fine art or design, including architecture. This course would also be valuable to those students wishing to broaden their experiences at school and within the arts.

Option Choice form Year 12 into Year 13

Name: _____

Options available:

Here are the available options. UE Approved courses are in **bold**. Course in *italics are Level 2*:

Accounting	Art	<i>Automotive</i>
Biology	Business/ Management	<i>Building and Timber Trades</i>
Chemistry	Chinese	Classical Studies
Digital Technologies (Business)	Digital Technologies (Programming)	Economics
English	English Accelerate	<i>English</i>
Food and Nutrition	Forestry	Geography
Graphics	History	Maori Carving
Maori Performing Arts	<i>Mathematics</i>	Maths with Calculus
Music	Physical Education	Physics
Sports Academy	Statistics and Modelling	Te Reo Maori
Te Reo Rangatira	Technology	Tourism

Sports academy is a 2 hour a day option. Students selecting Sports Academy should only select 3 other options (plus a back up). YOU MAY NOT DO SPORTS ACADEMY AND PE

Please indicate your five choices in order below. Once you have decided on your choices you should take this form to your teacher for each subject and ask them to sign this to indicate approval of your choice.

Choice #	Option	Teacher signature
1		
2		
3		
4		
5		

In addition it is useful for the timetabling process for you to indicate a “back up” option in case your first choice options cannot be made available. Please write this here:

	Course	Teacher Signature
Back up		

Student signature: _____

I have read through this form and agree with my son’s choices:

Parent signature: _____