



**Option Choice
Booklet
Year 12
2012**

Option Choice for Year 12 2012

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 2012 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.

Before Term 3 Weeks 2

Discuss the options you wish to choose with your parents and class teachers. You should choose 4 courses in order of preference. Plus a back-up option if your first choice cannot be accommodated in the final timetable. Students who select two sciences will do Mathematics and 2 other options, but their choice is limited to the Achievement Standard pathway. Complete the option choice form at the back of this booklet, detach and bring to House Group before Wednesday 10th August.

Term 3 Week 2 – Wednesday 10th August

All students should bring to House group the option choice form provided with this booklet, listing the courses they wish to follow in 2012. 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 2012

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 All Year 12 students study English. The courses that they follow are determined by the Head of English in consultation with their current class teacher. This subject is not part of the option choice procedure.
- 2 Mathematics is optional, and there are several possible courses. However, in this process students merely select whether to do Mathematics or not. The specific course they will follow after this choice will be determined by the Mathematics department.
- 3 Students who wish to follow two science courses **must** select Mathematics.
- 4 The Year 12 courses are designated as on either the Achievement Standard pathway or the Unit Standard pathway. More academic students are advised to choose all, or at least mostly, courses from the Achievement Standard pathway as these allow students to gain credits towards endorsed certificates.
- 5 No student may select more than 2 Technology subjects (Technology, Building and Timber Trades, Food and Nutrition, Food and Hospitality, Automotive).

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 2011 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 to Ms Adlam in the Future Pathways centre in the Millennium Centre and indicate your industry of choice on the option form.

Accounting (2ACC)

Pre-requisites

12 credits in Accounting Level 1 or HOD permission

Course Description

This course provides students with an in-depth look at recording, processing and interpretation of accounting information. This course includes practical application of accounting software MYOB (Mind Your Own Business). Students can gain 24 Credits from this course. Credits from this can be cross credited towards a National Certificate in Management

Pathways

Leads onto Level 3 Accounting or study of Accounting at Tertiary Level

Automotive (2AUT)

Pre-requisites

18 Credits in Level 1 Automotive

Course Description

A qualification recognized by the National Motor Trade Association. Theory plays a huge role in this course. 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 the basics in Engineering, Automotive, welding and fabrication.

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

Biology (2BIO)

Pre-requisites

16 credits from Level 1 Science (1SCI) including a 'Merit' in a Biology based standard plus English 1.5, and ideally 1.1 or 1.2 (formal writing)

Course Description

Achievement and unit standards based course: Ecology, Cells, Genetics and Evolution, NZ Flora and Fauna, Human Impacts, field Surveys.

Pathways

Level 3 Biology

Building and Timber Trades (2BTT)

Pre-requisites

18 Credits in Building Timber Trade, Technology or Automotive

Course Description

This course is based on the National Certificate in Building, Construction and Allied Trades Skills. It is the foundation for any student wanting to enter any of the building trades. Students have the opportunity to build a variety of projects including: picnic table, Saw stool, ladder, and a tool box to keep their own tools in.

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

Pathways

Building, Carpentry, Joinery, Site foreman, Building Inspector

Chemistry (2CHE)

Pre-requisites

16 credits from Level 1 Science (1SCI) including a 'Merit' in a Chemistry based standard.

Level 1 Mathematics

Course Description

Achievement and unit standards based course: structure & bonding; thermochemical equilibrium; oxidation reduction; organic chemistry; volumetric analysis; Qualitative Analysis and Stoichiometry.

Pathways

Level 3 Chemistry

Chinese (2CHI)

Pre-requisites

at least 12 credits from Level 1 Chinese

Course Description

This Course builds on the Year 11 program 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 express and justify ideas and opinions, and support and challenge others.
- ❖ developing receptive skills of Listening, Reading, Writing and Viewing
- ❖ producing skills of Speaking, Writing, Presenting and Performing, through a range of topics.

Digital Technologies - Business (2DTB)

Pre-requisites

Minimum 8 credits in Information Management Level 1

Course Description

This course covers word processing functions, database, desktop publishing and spreadsheet application. Students will be working towards gaining a Level 2 National certificate in Computing. The National Certificate consists of two compulsory units plus other computing units and a minimum of 10 credits at Level 2 from anywhere on the Framework.

Pathways

Leads to Level 3 DTB or Computing or study at Tertiary Level

Digital Technologies – Programming (2DTP)

Pre-requisites

15 Credits in Level 1 Maths or by approval of the HOD

Course Description

A selection of Unit Standards at Level 2 will be offered. Sufficient credits will be available to enable students to gain the NZ Certificate in Computing Level 2 NCEA. A balance between practical skills and theoretical knowledge will be maintained. Particular emphasis will be on programming skills, database and website management.

Pathways

Level 3 DTP

Economics (2ECO)

Pre-requisites

Level 1 Numeracy and Literacy credits

Course Description

Students will explore current economic issues in the areas of Employment, Growth, Trade and Inflation (Price stability) and understand the effect of these on people and the economy. Students will develop an understanding of how the Government influences the economy in all of these areas.

Students can gain 24 Achievement Standard credits.

Pathways

Level 3 Economics, study of Economics or Management or Commerce at Tertiary Level

Food and Hospitality (2FHO)

Pre-requisites

Completion of previous food and nutrition courses would be an advantage.

Approval/consultation with the HOD and course tutor.

Course Description

Course contents include culinary arts/practical skills; food and beverage preparation and service in a commercial setting, meal planning, catering, food safety and food hygiene. Students who successfully complete this course will gain a National Certificate in Cookery Level 2, and a National Certificate in Customer Service Level 2. This course provides an excellent opportunity to get a 'feel' for the hospitality industry and to gain a head start for job opportunities within the industry.

Pathways

Level 3 Food and Nutrition/ Hospitality

It is expected that students who gain approval to study in this course will pursue a career in the Food and Hospitality Industry.

Forestry (2FSY)

Pre-requisites

This course is available for students in Year 12.

Course Description

The course is suitable for students who are considering careers in forestry operations, such as Silviculture, Logging or Forest Management. The requirements for entry into practical forestry careers have been substantially raised in recent years. Logging contractors, for example, are insisting that applicants undertake training in the type of units included in this programme. Forest Industry Training Education Council (FITEC) and Waiariki Institute of Technology will be involved in providing resources and information and in the delivery and assessment of some of the Unit Standards (at no additional costs to students.)

Pathways

Students who are considering Forest Management as a career would typically continue their study towards the diploma in Forestry at Level 3.

Geography (2GEO)

Pre-requisites

12 credits Level 1 Geography or consultation with HOD

Course Description

Geography Level 2, focuses on natural landscapes (mountains, glaciers, coasts) with case studies in the South Island and South America. We also cover urban landscapes (Auckland, Singapore and Sao Paulo) and development inequalities between countries. We offer an optional overseas trip – usually to a South East destination.

Pathways

Leads to Geography Level 3

Graphics (2GRA)

Pre-requisites

Level 1GRA credits.

Course Description

The course covers a mixture of Architectural, Engineering and Media units that are made up from 24 Achievement standards, 12 of which are internal and 12 are external. The external standards are moderated. Students will work from a number of design briefs through the year to obtain the required drawings.

Pathways

Level two Graphics leads onto a level three course

All graphics courses cover the research, design, and final drawings of the topic including scale models of your chosen design.

History (2HIS)

Pre-requisites

12 Credits or better in Level 1 History or consultation with HOD

Course Description

History gives students an opportunity to study how events in world history from the past, have influenced our future. History develops important research and communication skills which are required in a range of careers including Advertising, Broadcasting, Law, Journalism, Civil Service, Public Relations.

The course offers studies of the Russian Revolution, Origins of World War One, and the Vietnam War. The course also includes a number of field trips to be taken during the Vietnam War topic.

Pathways

Leads to History Level 3

Maori Carving (2MCA)

Pre-requisite

This course is open to students who have a passion for learning about culture and who are keen to put in the effort required to produce carving to the required standard. As a numbers are limited preference will be given to students who have demonstrated these qualities in previous years.

Course Description

This year students will complete the Year 12 prescription. This involves completing contemporary artwork based on traditional art forms specialising within a chosen field of interest such as waka or taiaha.

Pathways

This is the second level of senior carving at Rotorua Boys' High School. Students who wish to do Level 3 Carving as an option in year 13 will need to do this course.

Maori Performing Arts (2MPA)

Pre-requisites

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

Level 3 Maori Performing Arts

Mathematics Accelerate (2MAA)

Pre-requisites

Minimum 18 credits in Level 1 Achievement Standards (including 1.1, 1.2 and 1.8) with at least a Merit average **or** IGCSE grade B

Course Description

This course is designed for students with an aptitude for Mathematics and a desire to attempt the scholarship exams at the end of Level 3. In addition to some Level 2 External Standards, students will study for and sit the Cambridge AS examinations. A full programme for the AS course can be found at www.cie.org.uk

Pathways

Level 3 Mathematics with Statistics **AND** Level 3 Mathematics with Calculus

Mathematics Achievement Standards (2MAT)

Pre-requisites

Minimum 12 credits in Level 1 Achievement Standards (including 1.1, 1.2 and 1.8) **or** IGCSE grade C.

Course Description

This is a full Mathematics course, both practical and theoretical. It is essential for those intending to study Mathematics with Calculus at Level 3.

Pathways

Level 3 Mathematics with Statistics and/or Level 3 Mathematics with Calculus

Mathematics for Statistics (2MAS)

Pre-requisites

Students can do the course if they fall into one of the following categories:

- They studied the 1MAT course but did not achieve the Algebra (90147) standard
- They studied the 1MAB course

All students should have achieved 14+ credits at Level 1 (including the Statistics Internal (90193))

Course Description

This new course will address the needs of those students who do not get the required pre-requisites for the 2MAT course. The course will be made up of Level 2 Internal Achievement Standards and Unit Standards.

Pathways

Level 3 Mathematics with Statistics

Music (2MUS)

Pre-requisites

Level 1 Music or ability to play a musical instrument to a high standard

Course Description

This course is based on NCEA Standards and involves

- Performance – as a featured soloist and in a group
- Composition of effective music
- Arranging
- Music Studies – of music materials and music works

Pathways

Level 3 Music

Physical Education (2PED)

Pre-requisite

A minimum of 12 credits at Level 1 PED or Level 1 IOS

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 a course that has both practical and theoretical components. It is an NCEA course that offers 23 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, motor learning, exercise prescription, sociology of sport, sports performance and risk management in the outdoors. This course has two outdoor expeditions where you will learn and apply a vast array of survival, and leadership skills.

Pathways

Physical Education Level 3

Institute of Sport Level 3

Physics (2PHY)

Pre-requisites

16 credits from Level 1 Science (1SCI) including a 'Merit' in a Physics based standard plus at least one of AS91027 Algebra, AS91028 Graphing or AS91029 Graphing from Level 1 Maths.

Course Description

Achievement standards based course: waves, mechanics, measurement & graphing, atoms & radioactivity, electricity & magnetism.

Pathways

Level 3 Physics

Science (2SCI)

Pre-requisite

16 Credits from Level 1 Science

Course Description

Achievement standards based course: Biology, Chemistry, Physics, and Geology.

Pathways

Level 3 Science

Technology (2TEC)

Pre-requisites

18 credits at level 1 Technology

Course Description

Engineering National Certificate

This is a National Certificate in engineering course and is practical and theory based aimed at students wanting to increase their skills in Engineering and welding. As with all subjects in the technology department there is a certain amount of theory that is compulsory to pass the course. Half the course is theory based and this is completed in the first two terms of the year.

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

Pathways

Building, Carpentry, Civil Engineering, Naval architects / boat builders

Navy architects may specialize in working on certain types of vessels, such as submarines or cruise liners; boat designers & builders may specialize in vessels such as mussel harvesters or pleasure boats. Builders are normally very experienced carpenters who have progressed from an apprenticeship in carpentry to being self-employed.

Te Reo Maori (2TRM)

Pre-requisite

16 credits in NCEA Level 1 Te Reo Maori.

Course Description

There are three internal and two external standards. You may also take some assessments for Unit Standard credits. This course leads on to Level 3 Te Reo Maori.

Pathways

Progression to Level 3 requires 16 Level 2 Achievement Standard credits.

Tourism Studies (2TOU)

Pre-requisites

None

Course Description

This course concentrates on developing a broad understanding in the field of tourism. It develops an understanding of tourism and provides an overview of the tourism industry and the relationship between the various sectors within New Zealand, Australia and the Pacific region. The main concentration of the course is on New Zealand and in particular Rotorua. A field trip is included where students will visit various attractions and sectors of tourism in Rotorua.

Students can gain 24 credits in this course. Students are encouraged to undertake gateway placements in the Tourism industry

Pathways

Tourism Level 3 or Study of Tourism at Tertiary Level or jobs within the Tourist industry

Visual Arts (2ART)

Pre-requisites

Completion of Year 11 Visual Art and at least 17 Level 1 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 (12 credits).
External assessment will be by a two panel folio board submission at the end of the year (12 credits).

This course builds upon the skills developed in Year 11/ Level 1 NCEA Art. It extends the students understanding of art-making process and procedures, continuing to build upon their painting skills and understanding.

Pathways

This course is designed to lead on to study at Level 3 in the field of painting. Students taking this course may be interested in pursuing visual arts in a tertiary setting, fine art or design, including architecture or to broaden their experiences at school and within the arts.

Option Choice form Year 11 into Year 12

Name: _____

Hg: _____

REMEMBER: - English is compulsory and your courses will be chosen for you by Mrs. Simpson. Therefore you do not need to choose an English course.

Options available:

Here are the available options. Courses on the Achievement Standard pathway are in *italics*:

<i>Accounting</i>
<i>Biology</i>
<i>Chinese</i>
<i>Economics</i>
<i>Geography</i>
Maori Carving
<i>Mathematics</i>
<i>Physics</i>
<i>Te Reo Maori</i>

<i>Art</i>
Building and Timber Trades
Digital Technologies (Business)
Food and Hospitality
<i>Graphics</i>
Maori Performing Arts
Music
<i>Science</i>
<i>Technology</i>

Automotive Engineering
<i>Chemistry</i>
<i>Digital Technologies (programming)</i>
Forestry
<i>History</i>
<i>Mathematics Accelerate</i>
<i>Physical Education</i>
<i>Statistics</i>
<i>Tourism</i>

Do not select more than two Technology subjects (Automotive Engineering, Food and Nutrition, Furniture and Timber Trades, Technology).

Please indicate your four 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. If you choose to do two Science subjects, and get your teacher's approval then you may select 3 additional subjects (although one must be **Mathematics**). Indicate this by putting both Sciences in Choice # 1.

Choice #	Option	Teacher signature
1		
2		
3		
4		

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: _____

PLEASE RETURN FORMS TO HOUSE GROUP TEACHERS BY 10TH AUGUST 2011