

Queen Margaret College

***NATIONAL CERTIFICATE OF
EDUCATIONAL ACHIEVEMENT
SUBJECT SELECTION HANDBOOK***

YEARS 12 – 13

2010

INTRODUCTION

Welcome to the Queen Margaret College National Certificate Of Educational Achievement (NCEA) curriculum guide for Years 12 and 13. The purpose of this booklet is to help you make the best subject choices to meet your particular needs and preferred tertiary pathway. You need to study this guide very closely and carefully discuss your options with those people who can assist you to make an informed choice. As well as talking to your parents and friends, help is available from a variety of sources:

- Deputy Principal Curriculum
- Careers Co-ordinator
- Year 12 Dean
- Year 13 Dean

Your subject teachers and form teacher are more than happy to help if they can. It is also sensible to check university websites regarding entry requirements for particular courses.

Use this formula to help you choose your course:

ABILITY + INTEREST + TERTIARY PATHWAY = SUBJECT CHOICE

Students entering Years 12 and 13 should be making subject choices related to their long term educational goals and (possible) career choices. Information gathering is important at this stage. As well as considering whether to do the IB Diploma or continue with NCEA in Years 12 and 13, students should be aware of their abilities, aptitudes and interests and are encouraged to take into account this information when they select their subjects.

Mathematics is necessary in so many careers, that, while it is optional from Year 12 onwards, it should be included if at all possible.

In Year 12 English is compulsory. Students study a total of six subjects unless a different course is negotiated with the Dean, Deputy Principal Curriculum and parents. Religious Education, Physical Education and Health are compulsory.

In Year 13 there are no compulsory subjects. All students study five subjects, although, with good reason, a student can choose to take six subjects.

A scholarship programme runs in Year 13. Scholarship is offered in all Year 13 subjects to all students, whether studying NCEA or IB Diploma. Individual subjects run classes throughout the year, the aim of which is to deepen content knowledge as well as develop critical thinking skills. The New Zealand Scholarship examinations take place within the NCEA external examination timetable. Scholarship requires students to demonstrate a high level of synthesis, integration and application of ideas and breadth of knowledge and understanding. For more details about this, please refer to the Scholarship section later in this introduction.

Every effort is made to accommodate each student's subject choices. However, sometimes it is not always possible to do this. Where there are clashes in subject choice, or the class size is too small, students may be asked to make another choice.

NATIONAL QUALIFICATIONS FRAMEWORK

The National Qualifications Framework (NQF) is designed to provide nationally recognised, consistent standards and qualifications. The National Certificate of Educational Achievement (NCEA) is the principal secondary qualification on the NQF. Every learner gaining credits on the Framework receives a Record of Learning that lists Unit and Achievement Standards. Students who receive a certain number of standards at Merit or Excellence levels in a subject will be eligible for a Merit or Excellence endorsement in that subject. Also recorded on the Record of Learning are Scholarship passes, National Certificates and Diplomas and from 2008 any standard that is not achieved will be reported on student's results notices.

NATIONAL CERTIFICATES OF EDUCATIONAL ACHIEVEMENT (NCEAs)

NCEA comprises three levels of achievement. Whilst each level broadly corresponds to Years 11, 12 and 13, there is a great deal of flexibility which allows for multi-level study. This allows students to work at the level most suited to them. Levels 1, 2 and 3 are the first three levels of the National Qualifications Framework's ten levels. Students gain the various levels by sitting Achievement or Unit Standards.

For a student to be awarded NCEA Level 1 she must achieve 80 credits. Of these, eight credits must be in literacy standards and eight credits in numeracy standards.

For a student to be awarded NCEA Level 2 she must achieve 80 credits, 60 of which must be from Level 2 Standards (20 credits from Level 1 may be used towards Level 2). There are no literacy or numeracy requirements for this qualification. However, the literacy component of University Entrance comes from Level 2 English and comprises four credits in Reading and four credits in Writing.

For a student to be awarded NCEA Level 3 she must achieve 80 credits, 60 of which must be from Level 3 Standards (20 credits from Level 2 can be used towards Level 3). There are no literacy or numeracy requirements for this qualification.

Further information on the NCEA is available on the NZQA Website: www.nzqa.govt.nz.

CERTIFICATES OF ENDORSEMENT

Candidates studying for NCEA will be able to receive qualifications with Merit or Excellence endorsements.

For a certificate to be endorsed with Merit, 50 credits at Merit or Excellence will be required at the same level, or higher, on the National Qualifications Framework (NQF) as the certificate being awarded.

For a certificate to be awarded with Excellence, 50 credits at Excellence will be required at the same level, or higher, on the NQF as the certificate being awarded.

The purpose of the endorsements is to encourage students to strive to produce work of a high quality and to recognise that achievement when it occurs. This will provide students with challenging but achievable goals. Some courses have reduced the number of standards being offered, allowing students to focus on aiming for achievement with Merit and Excellence.

UNIVERSITY ENTRANCE

There are two ways for school leavers to gain entrance to university.

1. From Year 13 a total of 42 credits at Level 3 or higher is required including 14 from each of two approved subjects and a total of 14 from two more subjects. All students must also satisfy the literacy and numeracy requirements which are:
 - 14 credits in Mathematics at Level 1 or higher
 - Four credits at Level 2 or above in Reading
 - Four credits at Level 2 or above in Writing
2. Discretionary Entrance: This varies between Universities and students should check relevant university websites for this information.

NEW ZEALAND SCHOLARSHIP

Scholarship is a monetary award to recognise New Zealand's top students annually. It does not attract credits nor contribute towards a qualification but the fact that a student has gained a scholarship will appear on their Record of Learning. Scholarship will enable students to be assessed against challenging standards and will be demanding for the most able students in each subject. Students will be able to enter one or more Scholarship standard assessments as well as their Level 3 assessments.

Student performance will be assessed externally against a schedule that ensures a ranking of candidates is produced. For each standard there are three levels of reporting:

- Scholarship not attained.
- Scholarship.
- Outstanding Performance.

The number of awards in each subject will be based on the proportion of the number of students in Year 13 entered for national assessment in those subjects. There are considerable financial rewards for 'top' scholar.

For more information, go to

www.nzqa.govt.nz/qualifications/ssq/scholarship/awards.html.

EXAMINATION FEES

The National Qualifications Framework incurs a flat fee of \$75.00, including NCEA, for New Zealand citizens. This includes up to three Scholarship subjects. Additional Scholarship entries cost \$75.00 per subject.

The fee for International students is \$375.00 for NCEA Levels 1, 2 or 3 and \$100 per Scholarship subject.

ASSESSMENT PROCEDURES

Students are given clear information about assessment standards and procedures at the beginning of the course. This will include the criteria and methods to be used, the **frequency** of such assessments and the procedures to be followed when further evidence of having met the achievement criteria **may be** offered.

AUTHENTICITY

Assessment work completed must be a student's own work. Students may be required to sign authenticity declarations and will be expected to submit working drafts where appropriate. Where evidence indicates work presented for internal assessment is not an individual's own work then **no credit will be awarded** (in accordance with school policy).

VERIFYING GRADES

Students will be required to acknowledge the grades that they have been awarded, by signing the result slip attached to each piece of internally assessed work. Students will also be required to verify the final grades that are awarded and submitted to NZQA.

APPEALS

Appeals of grades awarded are to be made within five school days of the return of the assessed work. Appeals must be made in writing to the Head of Department. If a student remains unsatisfied with the Head's decision, a formal appeal (on the correct form) may be lodged with the Deputy Principal Curriculum.

LATE WORK/ABSENCE FROM ASSESSMENT

Late work/absence from assessment will result in **a not achieved grade being awarded** unless the lateness/absence is related to compassionate consideration/extensions. Extensions may be granted by the Head of Department but only in the case of school approved extended leave or illness (supported by a doctor's certificate issued on the day that the student was unwell). Such extensions will be for a time period adequate to fairly complete the assignment.

ASSESSMENT OPPORTUNITIES

There will be one assessment opportunity for internal standards unless an opportunity to provide subsequent evidence of having met the standard occurs naturally within the learning programme. A range of strategies suited to the subject area may be used to collect evidence of student achievement. If reassessment is permitted, information about the form this will take and the timing will be clearly stated in the Student Course Outline.

EXTERNAL ACHIEVEMENT STANDARDS

Compassionate assessment related to an absence from an external activity:

- Is only possible **if the teacher has relevant evidence** (from the student's performance in activities related to the achievement standard in question)
- **Will not be possible** where a student has failed to attend common examinations or common tests or any other assessment relevant to that standard

SPECIAL ASSESSMENT CONDITIONS

Assistance is available for a few students who need special conditions for internal and external assessment and have been identified as meeting certain criteria. For any matters concerning special assessment conditions, the contact person is the Deputy Principal Curriculum.

RETENTION OF STUDENT WORK

A sample of internal assessment material will be retained by Departments until it is no longer required for moderation purposes.

SUBJECTS

Year 12 ACCOUNTING NCEA Level 2

This course covers the accounting processes and records for sole proprietor firms. Students will record financial transactions, prepare financial statements (manually and electronically), analyse and interpret results and make recommendations and gain an understanding of accounting subsystems. Students who study Year 12 Accounting have an opportunity to apply their skills by participating in the Young Enterprise Scheme. By participating in this students are eligible for 24 credits towards NCEA. However, these credits are only eligible for NCEA where a student does not achieve 80 credits from their other subjects. For further details refer to the Young Enterprise entry at the end of the subject list.

Year 13 ACCOUNTING NCEA Level 3

This course promotes knowledge and understanding of Accounting as a financial language for partnerships and companies which may be service, trading or manufacturing businesses, as well as apply financial knowledge and skills to practical situations. Students will process accounting data into meaningful information, develop knowledge and understanding for the systems and controls required to ensure data is processed accurately and efficiently, prepare financial reports, analyse and interpret financial reports and make informed decisions based on financial and non-financial information.

Year 13 ART HISTORY NCEA Level 3

Students study fourteenth century Italian art, High Renaissance art and Venetian painting. They will learn skills in research and comparative discussion. The course aims to help students find that the study of the art of the past is a valuable experience in itself and that it also contributes to an understanding of the art and culture of the present. Students develop their visual intelligence and research skills as well as extending their analytical skills and an ability to write logical, coherent essays.

Year 12 BIOLOGY NCEA Level 2

Students study ecology and visit a 'rocky shore' to carry out an investigation of the interrelationships in populations and communities. They learn more about the structure and function of cells and make use of this knowledge to carry out a biological investigation. Genetic variation and change is also studied and forms the context for research into modern techniques used in applied biology. This information is further used to enable students to process information to participate in informed debate on the impact of human activities in ecosystems. It is recommended that students have achieved the Level 1 Biology and Chemistry achievement standards in the Level 1 Science course.

Year 13 BIOLOGY NCEA Level 3

Students investigate aspects of animal and plant behaviour in relation to environmental factors. They will also look at the role of DNA in gene expression and use this knowledge to inform their research into a contemporary biological issue. Students will research and report on modern techniques used in biotechnology. They will also consider scientific evidence on the origins of humans and trends in biological and

cultural evolution. It is recommended that students have at least 5 credits in Level 2 Biology, although this is not compulsory.

Year 12 CHEMISTRY NCEA Level 2

This course includes an understanding and use of central concepts and patterns in Chemistry, the carrying out of simple quantitative and qualitative investigations and some understanding of the ways groups of chemicals interact with people and the environment. Topics to be studied include atomic structure and bonding, organic chemistry, thermochemical and equilibrium principals, acid-base chemistry and oxidation-reduction reactions. It is recommended that students have achieved the Chemistry achievement standards in the Level 1 Science course and be studying Level 2 Mathematics.

Year 13 CHEMISTRY NCEA Level 3

The Year 13 Chemistry course builds on content covered in Year 12 in the topics of atomic structure and bonding, organic chemistry, oxidation-reduction processes, thermochemical principles and reactions involving acids and bases. Students also study properties of aqueous systems and will plan and carry out an extended practical investigation involving the quantitative analysis of a substance. It is recommended that students have at least 18 credits in Level 2 Chemistry.

Year 13 CLASSICAL STUDIES NCEA Level 3

In this-discipline subject students study literature and art of Ancient Greece and Rome. The Greeks and Romans produced works of the intellect and creative imagination which are recognised to be of the very highest quality and which still evoke a strong and enriching response in today's students. Students explore an interesting range of topics such as Greek vase painting, Virgil's *Aeneid* and Roman religion.

Year 12/13 COMPUTER TECHNOLOGY NCEA Level 2

Students study ICT in a technology environment, acquiring skills that will assist them in developing the knowledge and understanding, of the relationship between technology and society. Students develop skills in the creative design process through the use of Adobe Photoshop, InDesign, Illustrator and Dreamweaver/Flash software. Access to a digital camera is essential. These courses are internally assessed. At level3, students who study Materials Technology as well as Computer Technology must consult with the Head of Departments.

Year 12 DRAMA NCEA Level 2

Students learn how to effectively apply the techniques of Drama in performance with a focus on the communication of subtext. They participate in the production of a selected script and develop their understanding of how production technologies work in combination to support a production concept. A unit of work on devised theatre challenges students' creativity and discipline as they apply themselves to the process of creating, scripting and performing an original piece of drama and further develop their performance and group work skills. Students learn about an unfamiliar theatre period/form to extend their knowledge and understanding of the purposes theatre has served across history and culture. It is recommended that students have studied Level 1 Drama.

Year 13 DRAMA NCEA Level 3

Students learn how to fully integrate all the techniques of Drama in the communication of a solo or paired performances. They apply their knowledge of performance to the production of a selected script where they research a given role and extend their understanding of how production technologies work together to support a production concept. Students create, script and perform a 10-15 minute solo piece of theatre based on a figure of note. Students analyse the features of two unfamiliar theatre forms through the study of two play texts and develop workable and detailed production concepts for the staging of both. It is recommended that students have studied Level 1 Drama.

Year 12 ECONOMICS NCEA Level 2

This course investigates issues of inflation, growth, trade and government policy confronting the New Zealand economy. It begins with a basic conceptual introduction to Economics and identification of the underlying principles of the subject. It provides students with a better understanding of government policy and consumer and producer decision-making. Students who study Year 12 Economics have an opportunity to apply their skills by participating in the Young Enterprise Scheme. By participating in this students are eligible for 24 credits towards NCEA. However, these credits are only eligible for NCEA where a student does not achieve 80 credits from their other subjects. For further details refer to the Young Enterprise entry at the end of the subject list.

Year 13 ECONOMICS NCEA Level 3

Students study both micro and macroeconomic theory relating to the New Zealand economy. The course has three sections: resource allocation via markets, resource allocation via the public sector and aggregate demand and supply analysis. The emphasis is on developing research, analytical and statistical skills and is a precursor for tertiary study in Economics.

Year 12 ENGLISH NCEA Level 2

This course continues to develop students' skills in the English language and to encourage a lifelong appreciation of literature. Language is developed through the production of creative and formal language, and by demonstrating the skills of intensive research. Oral skills involve the presentation of the results of this research to the class. Students improve their literary analysis skills by studying Shakespearean drama and a section of poetry and short stories. A film is also studied in depth, with the application of appropriate filmic techniques and their effectiveness.

Year 13 ENGLISH NCEA Level 3

The course involves a study of a variety of genres: novel, short stories, poetry, film and Shakespeare. It aims to foster and ignite a love of literature and an understanding of the centrality of literature to life. Students undertake an extended writing task, complete a research assignment and present a seminar as well as learn how to critically analyse literary and visual texts.

Year 12 FRENCH NCEA Level 2

The aim by the end of Level 2 French is for students to be able to take part in general conversation with French speakers, understand much of what is said, and contribute relevant comments. Students will be able to explain and discuss many of their ideas and opinions and use language creatively. Students will read a variety of authentic materials and write expressively for a range of purposes. This is developed through the study of the following topics: French-speaking countries, my future, personal relationships, traditional stories, latest trends, health and well-being and leisure. It is recommended that students have achieved 18 credits in NCEA Level 1, at least three credits of which come from the oral standards

Year 13 FRENCH NCEA Level 3

As with Level 2 French, the aim is for students to take part in general conversation with French speakers, understand much of what is said, and contribute relevant comments. These skills are developed through the study of the following topics: regions in France, getting a job, the creative arts, our changing world, environmental issues, multicultural France, and French art and literature. It is recommended that students have at least 18 credits in NCEA Level 2, with at least three credits from the oral standards.

Year 12 GEOGRAPHY NCEA Level 2

Students examine natural and cultural features on a global scale. Case studies for each of the assessment standards focus on different continents around the world. Discussion surrounding these case studies highlights concepts of global significance such as development, sustainability, urban sprawl and population growth. Where possible, field trips will be conducted to provide real world examples and to facilitate deep learning experiences for the students.

Year 13 GEOGRAPHY NCEA Level 3

Students analyse natural and cultural processes. Local studies of these processes include coastal erosion on the Kapiti Coast and tourism development in Martinborough. A large component of the Year 13 course is independent research. Students conduct research into a local planning issue and then evaluate the processes used by authorities to make important decisions in our local community. Where possible, field trips will be conducted to provide relevant examples and to facilitate deep learning experiences for the students.

Year 12 HISTORY NCEA Level 2

This discipline develops students' research skills, critical thinking and expository essay writing. Students' study some of the major factors that have shaped today's world: industrialisation, social change, nationalisation, international relations, political change and imperialism.

Year 13 HISTORY NCEA Level 3

The course covers a broad overview of England from 1558 to 1667. Various monarchs, social, economic and gender issues are studied. Students develop their understanding and skills in information gathering, processing and presentation to a very high level, which equips them well for tertiary studies in any field.

Year 12 JAPANESE NCEA Level 2

After studying Level 2 Japanese, students will be able to comprehend detail and summarise meaning in spoken and written Japanese, initiate and maintain a conversation that may have some unpredictable content, and write extended passages of Japanese, presenting ideas and information logically and demonstrating their expanding knowledge of kanji. Students will gain the ability to do these things at survival skills and social competence levels. These skills are developed through the following topics: family life, eating and drinking, the Japanese education system, and leisure and activities. To be eligible to study this course, students need at least 18 credits of Level 1 Japanese.

Year 13 JAPANESE NCEA Level 3

CONTENT

This course aims to enable students to interact flexibly in familiar social situations, recognise fine detail in spoken and written Japanese text and draw inferences and conclusions from it, use basic language patterns spontaneously and develop and support their points of view. Students learn how to do these things through studying the following topics: land and people, travel and tourism, Japan at work, and communication and the media. It is recommended that students have at least 18 credits of NCEA Level 2 Japanese.

Year 12 MATERIALS TECHNOLOGY NCEA Level 2

In this course two major topics are undertaken of approximately 15 weeks each which provide students with the opportunity to work with a variety of materials.. Each unit of work requires completion of research, design, development work, written tasks and a practical solution. It is recommended that one of the major units of work should be developed for a client, not the student. The 2.6 standard is a case study written research project that is developed from imbedded knowledge from the two major projects studied over the year. The written and design work presented in the student's two project folios will be externally assessed. It is recommended that students have at least 18 credits in Level 1 Materials Technology.

Year 13 MATERIALS TECHNOLOGY NCEA Level 3

This course builds on the technological skills and understanding developed in the Year 12 course but with a client focus. Students at this level are working with an identified client and the final outcome of their project must meet the needs of this client. Achievement Standards 3.1 and 3.2 will take approximately 20 weeks to complete and will require completion of research, design, development work, written tasks and a practical solution. 3.6 is a case study written research project based on knowledge developed in the client project. Students will have the opportunity to explore a variety of materials throughout the year. It is recommended that students have standard Level 2 Materials Technology

Year 12 MATHEMATICS NCEA Level 2

This course involves students thinking mathematically and statistically in a range of contexts. Topics include: selecting samples and making inferences about the population, simulating probability situations and applying the normal distribution, solving problems in algebra, graphing and geometry. Concepts covered in Level 1 Mathematics will also be developed with a view to extending students' mathematical

knowledge and understanding. Calculus is introduced for the first time in this course and students will be given the opportunity to do an optional topic on Trigonometry if they are considering Level 3 Mathematics with Calculus in the following year. In order to study at this level, students should have at least 14 credits from Level 1 Mathematics, with a Merit grade in Algebra (1.1) and/or Graphs (1.2). Although Level 2 Mathematics is not compulsory, this subject should not be dropped without careful prior investigation regarding tertiary

Year 13 MATHEMATICS WITH CALCULUS NCEA Level 3

The course covers Level 8 of the New Zealand Curriculum and continues the development of the mainstream of Mathematics with a particular emphasis on Algebra and Calculus. Students will be engaged in thinking mathematically by solving problems and modelling situations in a range of contexts and use technology appropriately. Trigonometry is the only topic that will be internally assessed and students will be given the opportunity to do an optional topic on Conics. In order to study at this level, students should have studied Trigonometry (2.9) and have a Merit grade (or better) for Algebra (2.1), Graphs (2.2) and Calculus (2.3).

Year 13 STATISTICS AND MODELLING NCEA Level 3

The course covers Levels 7 and 8 of the New Zealand Curriculum and students will be engaged in thinking mathematically and statistically in a range of contexts. Three of the achievement standards will be internally assessed with an emphasis on using technology (computers and graphic calculators) to solve problems and model situations. Topics which are externally assessed include confidence intervals, probability, solving equations and probability distribution models and continue the development of algebraic and graphical skills with an emphasis on statistics and its applications. Students should have a Merit grade (or better) for Graphs (2.2), Statistics (2.5) and Probability (2.6).

Year 12 MEDIA STUDIES NCEA Level 2

This course gives students an understanding that society is saturated with media texts that have an impact on our lifestyle. It gives students the opportunity to become confident discerners of all types of media. The focus is on learning more about the modern media we encounter every day. It enables students to discuss and analyse both the medium and the message. Students explore the conventions, audience and purpose of various media texts, looking specifically at film, television, newspaper, magazine and/or web-based media. They also have the opportunity to create a media product from concept development through to post-production.

Year 13 MEDIA STUDIES NCEA Level 3

In Year 13 Media Studies students will look in depth at media issues, investigate the media industry and examine the relationship between a media genre and society. The Year 13 course also develops the production skills gained in Year 12 Media Studies, demanding a higher level of concept development and preparation for media production as well as a more sophisticated final product.

Year 12 MUSIC NCEA Level 2

The Year 12 Music course enhances the skills learned at NCEA Level 1. Students become more competent performers and composers while developing their knowledge and understanding in the areas of both materials and processes of music, and aural perception. The skill of Instrumentation is introduced while the students gain more depth of understanding in the overall history of music by a number of comparative

studies of music works. Students who take this course must have an active interest and ability in Music, and have completed at least three years' instrumental or vocal tuition. Where special circumstances exist, a student may be admitted to Year 12 Music at the discretion of the Deputy Principal Curriculum. Students must also be having regular music tuition in a selected instrument for senior courses, either through the College or privately, and be part of at least one senior-based extra-curricular group.

Year 13 MUSIC NCEA Level 3

NCEA Level 3 Music offers a wide choice to the advanced musician, with Achievement Standards being offered in both Music Studies and Making Music. This allows students to specialize (e.g. in performance, composition or music works) or to continue to pursue a holistic course. Previously learned skills are enhanced further, arrangement and research skills are introduced and the course offers a sound preparation for study of Music at tertiary level. Students who take this course must have an active interest and ability in Music, and have completed at least four years' instrumental or vocal tuition. Where special circumstances exist, a student may be admitted to Year 13 Music at the discretion of the Deputy Principal Curriculum. Students must also be having regular music tuition in a selected instrument for senior courses, either through the College or privately, and be part of at least one senior-based extra-curricular group.

Year 12 PHYSICAL EDUCATION NCEA Level 2

Students will develop skills and knowledge of their own fitness, be aware of and appreciate the diverse nature of movement and develop the knowledge and interpersonal skills which will enable them to interact sensitively with other people and cultures. Topics include: Exercise Science, Sociological Significance of a Sporting Event, Training Programmes (Theory and Practical), Kiwisport Leadership Award, Safety Management in the Outdoors and Sport Performance. This course is internally assessed.

Year 13 PHYSICAL EDUCATION NCEA Level 3

This course incorporates both practical and theoretical Physical Education. Some of the topics that the students will look at include: training for a Biathlon, as well as analysing their current skills. Students will take part in a skill programme for a game such as Volleyball or Golf. They will also research a current issue, event or trend that interests them and organise a lunchtime activity of their choice for the students at this school. This course is internally assessed.

Year 12 PHYSICS NCEA Level 2

This course aims to give students an understanding of and the ability to use concepts, principles and models in Physics to explain physical phenomena, systems and devices. Topics include wave systems, mechanics, atoms and radioactivity and electricity and electromagnetism. Students will learn to appreciate how Physics impacts on society and will develop practical investigative skills and attitudes. It is recommended that students taking Year 12 Physics have achieved the Level 1 Physics standard (in the Year 11 Science course) with Merit and be taking Year 12 Mathematics.

Year 13 PHYSICS NCEA Level 3

The course will build upon content studied at the Year 12 level in the areas of wave systems, mechanics, the atom and nuclear physics and electrical systems. In Year 13 Physics the students are also required to carry out a practical Physics experiment that

leads to a Mathematical relationship. It is recommended that students have at least 20 credits in Level 2 Physics, some of which should be at the Merit level.

Year 12 VISUAL ART: DESIGN and PAINTING NCEA Level 2

This is a broad practical course in which each student will undertake a range of school-developed units of work. These will provide experiences in drawing, painting, and design. The course gives students the opportunity to develop their perceptual, imaginative, technical and critical skills through making Art. Also included is the development of a working knowledge of contemporary artists and their methods. The course provides students with necessary visual and technical knowledge that will enable them to pursue further study in the specialist Art disciplines of Painting or Design in Year 13. This course is internally assessed. It is recommended that students have Level 1 Visual Art.

Year 12 VISUAL ART: DIGITAL PHOTOGRAPHY NCEA Level 2

This is a broad practical course in which each student will undertake a range of school-developed units of work that will provide experiences in digital photography. The course gives students the opportunity to develop their perceptual, imaginative, technical and critical skills through making Art. Also included is the development of a working knowledge of contemporary artists and their methods. Students will need access to a digital SLR camera. The course provides students with necessary visual and technical knowledge that will enable them to pursue further study in the specialist Art discipline of Digital Photography in Year 13. It is recommended that students have Level 1 Visual Art.

Year 13 VISUAL ART: DESIGN NCEA Level 3

CONTENT

This course will provide the necessary background for students who are considering tertiary Design. Each student will undertake a range of self-developed thematic units for investigation and developing studio work. This will ensure a variety of experiences in Design, while providing an integrated investigation into related themes and issues, cultural and historical contexts, core art concepts, processes of art criticism, analysis and aesthetics. Students will be exposed to a wide range of Design media within these areas that can be reinterpreted and applied to their artwork outcomes. Photoshop CS4 is recommended but not required. It is recommended that students have successfully completed Level 2 Painting and Design. For a student to choose two Art subjects at Level 3, it is advisable for them to have achieved with Merit in their Level 2 Arts programme.

Year 13 VISUAL ART: PAINTING NCEA Level 3

This course will provide the necessary background for students who are considering tertiary Painting. Each student will undertake a range of self-developed thematic units for investigation and developing studio work. This will ensure a variety of experiences in Painting, while providing an integrated investigation into related themes and issues, cultural and historical contexts, core art concepts, processes of art criticism, analysis and aesthetics. Students will be exposed to a wide range of Painting media within these areas that can be reinterpreted and applied to their artwork outcomes. It is recommended that students have successfully completed Level 2 Painting and Design. For a student to choose two Art subjects at Level 3, it is advisable for them to have achieved with Merit in their Level 2 Arts programme.

Year 13 VISUAL ART: PHOTOGRAPHY NCEA Level 3

This course will provide the necessary background for students who are considering tertiary Photography. Each student will undertake a range of self-developed thematic units for investigation and developing studio work. This will ensure a variety of experiences in Photography, while providing an integrated investigation into related themes and issues, cultural and historical contexts, core art concepts, processes of art criticism, analysis and aesthetics. Students will be exposed to a wide range of Photography techniques within these areas that can be reinterpreted and applied to their artwork outcomes. Students will need access to a digital SLR camera. It is recommended that students have successfully completed Level 2 Photography. For a student to choose two Art subjects at Level 3, it is advisable for them to have achieved with Merit in their Level 2 Arts programme.

Year 12 YOUNG ENTERPRISE NCEA Level 2

The Young Enterprise Scheme is a year-long extra-curricular activity involving students working with others to create a business, develop a product or service, and sell it to the public.

Students involved in the Young Enterprise Scheme take on the role of Director of a company and participate in a National competition organised by Enterprise New Zealand Trust (ENZT). This involves writing a Business Plan, delivering an oral presentation of the plan, selling their product at a Trade Fair and completing an Annual Report.

NZQA recognises this activity as an approved NCEA qualification.

Students must be studying Level 2 Accounting or Economics.

The Young Enterprise Scheme Certificate is the equivalent of 24 Level 3 credits. However, these credits are not counted if you achieve enough credits from your other subjects.

To complete the Young Enterprise Scheme Certificate students must:

- Establish a business
- Complete two written assignments
- Create a business folder showing student Young Enterprise Scheme activities and events
- Pass the Young Enterprise examination

CHOOSING YOUR PATHWAY

For many, the question of “Where to?” after secondary school looms large. The internet has numerous sites which offer advice and guidance for secondary students. Three New Zealand websites that might be worth visiting are:

www2.careers.govt.nz/secondary_students

www.tki.org.nz/e/tki/career_planning

www.auckland.ac.nz/uoa/home/for/secondary-students-and-schools

University websites contain a wealth of relevant information and should be consulted before final decisions are made about future tertiary or career pathways.

UNIVERSITY WEBSITES

New Zealand

University of Auckland www.auckland.ac.nz

Auckland University of Technology www.aut.ac.nz

University of Canterbury www.canterbury.ac.nz

Lincoln University www.lincoln.ac.nz

Massey University www.massey.ac.nz
(Albany, Palmerston North, Wellington)

University of Otago www.otago.ac.nz

Victoria University of Wellington www.vuw.ac.nz

University of Waikato www.waikato.ac.nz

Wellington Institute of Technology www.weltec.ac.nz

World Wide

Australian National University www.anu.edu.au

Cambridge University, UK www.cam.ac.uk

Duke University www.duke.edu

Harvard, USA www.harvard.edu

University of Melbourne www.unimelb.edu.au

MIT, USA www.mit.edu

Monash University, Australia	www.monash.edu.au
Oxford University, UK	www.ox.ac.uk
Princeton University	www.princeton.edu
University of Queensland	www.uq.edu.au
Stanford University, USA	www.stanford.edu
University of Sydney	www.usyd.edu.au
Yale University, USA	www.yale.edu

**QUEEN MARGARET COLLEGE
CURRICULUM SUMMARY 2010
Senior School (NCEA)**

YEAR 11	YEAR 12	YEAR 13
English	English	English
Mathematics	<u>Mathematics</u>	<u>Statistics and Modelling</u>
		<u>Mathematics with Calculus</u>
History	History	History
Geography	Geography	Geography
Business	Economics	Economics
	Accounting	Accounting
Science	Physics	<u>Physics</u>
	Chemistry	<u>Chemistry</u>
	Biology	<u>Biology</u>
		History of Art
<u>Art</u>	Painting	<u>Painting</u>
	Photography	<u>Photography</u>
	Design	<u>Design</u>
Music	Music	Music
Drama	Drama	Drama
<u>French</u>	<u>French</u>	<u>French</u>
<u>Japanese</u>	<u>Japanese</u>	<u>Japanese</u>
		Classical Studies
	Media Studies	Media Studies
Materials Technology	Materials Technology	Materials Technology
	Computer Technology	Computer Technology
	Physical Education NCEA Level Two	Physical Education NCEA Level Three
Physical Education	Physical Education	
Health	Health	
Religious Studies	Religious Studies	
<i>Select THREE subjects from the UNSHADED list</i>	<i>Select FIVE subjects from the UNSHADED LIST (maximum two art subjects)</i>	<i>Select FIVE subjects (maximum two art subjects)</i>



Passionate Learners

Resilient Women

Future Leaders

www.qmc.school.nz