

WELLINGTON COLLEGE



Course Selection Guide 2010

Years 12 and 13







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Who To See For Further Information

If you have any further questions about your course selection for next year, after reading through this guide, speak to the appropriate teachers for more advice and information.

General Enquiries

- | | |
|------------------------------|----------------|
| • Curriculum | Mr G Fountain |
| • Careers' Adviser | Mr E Rosenthal |
| • Guidance Counsellor | Dr S Slater |
| • International Student Dean | Mrs D Smithson |
| • National Qualifications | Mr G Fountain |
| • Year 11 Dean | Mr S Lyster |
| • Year 12 Dean | Mr E West |
| • Year 13 Dean | Ms A Shaw |
| • Dean of School | Mr P Bergin |
| • Career Planning/Employment | Mr E Rosenthal |

Heads Of Department/Teachers in Charge of Subjects

- | | |
|----------------------|-------------------|
| • Accounting | Ms Z Sinclair |
| • Art, Art History | Mr T Costeloe |
| • Biology | Mr S Hann |
| • Business | Mr H Bell |
| • Career Planning | Mr E Rosenthal |
| • Chemistry | Ms E Tanner |
| • Chinese | Mr F Yu |
| • Classical Studies | Mr K Tattersall |
| • Computer Studies | Mr V Paulson |
| • Economics | Mr H Bell |
| • English | Mr R Everett |
| • ESOL | Mrs D Smithson |
| • French | Mr J Vercauteren |
| • Gateway | Mr E Rosenthal |
| • Geography | Mr C Blacklock |
| • German | Mr J Vercauteren |
| • Graphics | Mr K White |
| • History | Mr A Savage |
| • Japanese | Mr S Muroya |
| • Latin | Mr K Tattersall |
| • Māori | Mr M Bradley |
| • Mathematics | Mr I Clark |
| • Media Studies | Ms M O'Donnell |
| • Music | Miss K Macfarlane |
| • Photography | Mr T Costeloe |
| • Physical Education | Mr C Wells |
| • Physics | Dr H Abu-Shanab |
| • Technology | Mr K White |
| • Transition/Tourism | Mr E Rosenthal |



Introduction

This booklet is designed to give an overview of the subjects available at Wellington College in Years 12 and 13. As the choice of subjects at Year 12 becomes much more diverse, it is important students make a careful and planned choice of subjects. Up until Year 11, the choice of subjects has been more restricted. Most students are still in a position to choose a course that can lead to any career path.

Carefully read the notes of the Careers' Adviser, study the Years 12 and 13 subject information, seek advice about the career possibilities that interest you, as well as courses available at universities, polytechnics and other training providers.

From The Careers' Adviser

It is important that students entering Years 12 and 13 have started a "career action plan" and have invested some time in thinking about what they would like to do when they leave school. By Year 13, students should have thoroughly researched their options.

The Careers' Resource Room (in the Student Services Centre) is available to all students and contains a great deal of information on all polytechnic and university courses in New Zealand, university calendars, polytechnic brochures and leaflets on specific jobs. All of these give details of subject requirements which should make the choice of subjects in Years 12 and 13 clearer. The website www.careers.govt.nz is available online and this has now become the ultimate source of information on careers. There is also useful information in the Careers Office, such as university calendars and possible overseas tertiary options, plus scholarships available.

Students may also make an appointment with the Careers' Adviser to use "Career Voyager" and/or "Career Quest" intended for students who really have no idea about what they want to do. It produces a bar graph showing preferences, as well as a list of job suggestions. Students wanting to work in the science area should continue all three sciences and mathematics if possible. The Careers' Adviser, and senior staff are available by appointment for parent or student interviews to discuss course selection.

Specific points to note:

- Mathematics should not be discarded lightly. It is a prerequisite for many university and polytechnic courses and many careers.
- Physics, Chemistry and Biology are necessary for many science-based courses, especially those leading to careers in medicine, dentistry and veterinary science. These 3 subjects are difficult to pick up at tertiary institutions without studying them at school.
- English is not compulsory at Year 13, but many universities and polytechnics require English or another writing subject in the first year for science and commerce courses. Also, the Level 2 English literacy requirements for UE need to be recognised.
- Prospective Engineering students should take Calculus, Physics and Chemistry.
- Prospective Architectural students should take Physics and Calculus.
- Prospective Bachelor of Commerce and Administration students should have a good background in Mathematics. Calculus is essential for those majoring in Economics, Money and Finance, Econometrics and Statistics. It is also highly recommended for those students intending to major in Accounting. Economics and Accounting at Year 13 are useful but not essential prerequisites for University Accounting.
- Very good results in some NZ Scholarship subjects may mean that some first year university courses can be started at 200 level. However, credit is not given for the 100 level courses not taken. Direct entry to 200 level papers is at the discretion of the university faculty concerned.



- Students intending to major in Computer Science also need Calculus.
- Computer Science and Technology degrees recommend Calculus, and in some cases, both mathematics subjects. There is a comprehensive list of mathematics requirements in the Careers' Room.

This list is a small part of the information available and students need to make use of the Careers' Room and attend visits made by organisations during the school year to gain the information needed to make informed decisions.

Very detailed career information can be found on the internet at the following sites:

www.nz.yourcareerguide.com	career planning, skills, finance, job seeking
http://www.careers.govt.nz	online resources to help with job and training decisions
www.labourmarket.co.nz	links to Employers, Occupations and Regional Opportunities
www.careers.govt.nz	job information on all jobs/careers/training requirements
www.worksite.govt.nz	a most comprehensive site
www.careerstorm.com	free career assessment
www.coolcareers.com	free information and advice
www.job-interview.net	information related to job interviews
www.assessment.com	free one-off assessment
www.auckland.ac.nz/careers	a very useful career site developed by Auckland University
http://www.vuw.ac.nz/st_services/careers/index.html	Victoria University career website
www.skillnz.govt.nz	loans and allowances, training vacancies
http://www.wetfeet.com/asp/home.asp	industries, companies, CVs, interviews
www.aut.ac.nz	Auckland University of Technology
www.auckland.ac.nz	Auckland University
www.massey.ac.nz	Massey University (Albany, Palmerston North and Wellington)
www.waikato.ac.nz	Waikato University (Hamilton)
www.vuw.ac.nz	Victoria University (Wellington)
www.canterbury.ac.nz	Canterbury University (Christchurch)
www.lincoln.ac.nz	Lincoln University (20 minutes from Christchurch)
www.otago.ac.nz	Otago University (Dunedin)
www.weltec.ac.nz	Wellington Institute of Technology
www.army.mil.nz	NZ Army
www.navy.mil.nz	NZ Navy
www.airforce.mil.nz	NZ Air Force
www.detya.gov.au	Australia tertiary
www.globalcomputing.com/university.html	USA tertiary
www.britishcouncil.org.nz	British tertiary
www.braintrack.com	World Education Index
www.medical-entrance.com	prep clinic for UMAT test and medical interview
www.studyabroad.com	Study abroad opportunities
www.embark.com	USA tertiary
www.police.govt.nz	NZ Police
www.ipenz.org.nz/ipenz/careersed	Engineering careers
www.acenz.org.nz/trainingframe.htm	Engineering careers
www.studylink.govt.nz	student loans and allowances
www.futureintech.org.nz	careers in Technology, Engineering and Science
www.fullbright.org.nz	Tertiary Education and Scholarships in the USA
www.goabroad.com	overseas study and work options
www.workingin-newzealand.com	working in NZ
http://www.cvstyle.co.nz/profile.htm	writing your CV
www.netcv.co.nz	creating an online CV
www.seek.co.nz	practical articles on finding a job, job vacancies, work and career development
www.workandincome.govt.nz/find-a-job/index.html	information for people seeking work



As Careers' Adviser, my job is to provide information that will help you to make a decision, and assist you with the application process. It may take several months of research, writing to organisations, visiting polytechnics or universities, making appointments to discuss jobs with people in the workplace and setting up work experience to confirm or reject an option. Please do not leave it until the last term of your final year at school. Mrs Hall and Mrs Sampson are also available in the Careers' Department to give you valuable assistance.

Mr E. Rosenthal - Careers' Adviser

National Qualifications

There are three NCEA qualifications: Level 1, Level 2 and Level 3. These are at the first three of the ten levels that make up the National Qualifications Framework (NQF).

To be awarded NCEA Level 1, students must achieve 80 credits at level 1 or above. Included in this total, at least 8 credits are needed in literacy and 8 credits in numeracy from selected standards. See <http://www.nzqa.govt.nz/ncea/acrp/secondary/7/71.html#literacy>

To be awarded NCEA Level 2, students must achieve 80 credits, 60 of which must be at level 2 or above. The other 20 credits can be from any level on the NQF. There are no literacy or numeracy requirements for this qualification.

To be awarded NCEA Level 3, students must achieve 80 credits, 60 of which must be at level 3 or above. The other 20 credits can be at level 2 or above on the NQF. There are no literacy or numeracy requirements for this qualification.

Requirements for University Entrance and NZ Scholarship are outlined on page 10 of this booklet.

Certificate Endorsement (first introduced in 2007) To qualify for an endorsement with Excellence, students require 50 credits at Excellence. An endorsement with Merit, requires 50 credits at Merit (or Merit and Excellence).

Entries and Fees for National Qualifications

Entries are finalised in July each year. Entry fees set by NZQA in 2009 were:

National Qualifications Framework (NQF) including NCEA	Any NQF standards	Each NZ Scholarship subject
New Zealand Domestic Students	\$75	\$75 (for over 3 subjects)
International Fee Paying (IFP) Students	\$375	\$100 per subject

Course Selection Considerations

Entry to a course at the next level will be granted on the basis of performance in the current year. Full entry into the next level of study does not guarantee that a student shall be entitled to study any subject at that level. Each Head of Department will establish minimum entry requirements for a course of study. This precaution is to protect both the applicant and the attainment potential of the students entered for the course.

The following points should be considered when planning a course:

- interests and strengths
- subjects required for university and polytechnic courses
- career choices
- range of subjects: keep your options open if you are undecided about a future course or career
- prerequisites for further study: some subjects, if terminated at Year 11, may prove too difficult to take up again later



- many option subjects apart from Art, Languages, Music and Graphics can be started in Year 12
- many Year 13 subjects have Year 12 prerequisites in that subject
- in choosing a course for succeeding years, students must be careful to see that subjects to be taken in Year 13 have their grounding in Year 12, (particularly mathematics, sciences, languages and accounting)
- numbers determine whether some small subject groups can be offered by the College
- inevitably students in Year 12 will not be in the same class groups as in previous years
- all Year 12 students must take English. In some cases, Career Planning and Employment Skills or ESOL **may** be substituted.

Note: 8 credits in Level 2 English, reading and writing are a requirement for University Entrance. See page 10 for details.

Note for Year 12 Students:

- **In 2010, all Year 12 students are required to study 6 subjects** ie English (which is compulsory) plus 5 others. Refer to the Course Selection Form for 2010 on page 82 for the subject options available
- the BCA degree contains compulsory units in Statistics and Economics
- prospective Engineering Students should take Calculus, Physics and Chemistry
- Art in Year 13 may be taken as one or two subjects (ie 8 hours per week).

Multi-level Courses

Students have the opportunity to study at more than one level. At the time of course selection in the year prior to study of a course, students may opt for subjects with the expectation that they will gain full entry to the next level of study. All cases must be discussed with, and approved by the appropriate Dean.

When results are received in January 2010 and it is evident that a sufficient standard **has not been achieved** to gain entry to the next level in subjects of choice, the student should write to

The Dean (of the relevant year level)
Wellington College
P.O. Box 16 073
Wellington

or by email subjects@wellington-college.school.nz by **no later than 25 January 2010**, requesting consideration for a multi-level course, and suggesting the subjects with their appropriate levels for that course.

Students in this category must be available for interview in the week prior to the beginning of the school year.

Gaining Full Entry To The Next Year Level

(i) Entry To Study Year 12 Subjects

- to continue a subject at Year 12, a student requires 15 credits in the subject at level 1, plus any prerequisites specified by the subject Head of Department
- to begin a new subject at Year 12, a student requires 75 credits (in any subjects) at level 1 or 2, plus any prerequisites specified by the subject Head of Department.

Prerequisites may require that:

- a specific standard is needed for entry into the Year 12 course
- a specific level of achievement (eg Merit) is needed in a nominated standard.



Note: where special circumstances exist, a student may be admitted to a Year 12 course at the discretion of the Head of Department.

(ii) Entry To Study Year 13 Subjects

- to continue a subject at Year 13, a student requires 15 credits in the subject at level 2 or 3, plus any prerequisites specified by the subject Head of Department
- to begin a new subject at Year 13, a student requires 50 credits (in any subjects) at level 2 or 3, plus any prerequisites specified by the subject Head of Department.

Prerequisites may require that:

- a specific standard is needed for entry to the Year 13 course
- a specific level of achievement (eg Merit) is needed in a nominated standard.

Note: Where special circumstances exist, a student may be admitted to a Year 13 course at the discretion of the Head of Department.

Courses Offered At Wellington College

A brief synopsis of each course available at Years 12 and 13 is given on pages 11 to 80.

Wellington College Assessment Procedures 2010

Students are given clear information about procedures and the assessment of standards offered at the beginning of each course studied. This will include the criteria and assessment methods to be used, the frequency of such assessments and the procedures to be followed where further assessment is available.

Attendance

Students are expected to attend class on a regular basis as set out in the school policy on attendance.

Breaches of the Rules

All work submitted for assessment purposes must be a student's own work. For long-term assessments, working drafts may need to be submitted. Where evidence indicates that work presented for internal assessment is not an individual's own work, no credit will be awarded.

Breaches of the rules include plagiarism, impersonation, false declarations of authenticity, cheating and all forms of collusion in tests and exams. Should a possible breach of the rules occur, the appropriate HOD will consult with Mr Anderson, who will be the final arbiter.

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 awarded that are submitted to NZQA.

Appeals

Appeals of grades awarded are to be made within five school days, once assessed work is returned and gone over by the teacher. If a student disagrees with the final grade awarded, an 'Appeal Application Form' is to be completed by the student and handed to the appropriate HOD to process. Mr Anderson may be involved in the decision if needed. The decision made on the Appeal by the HOD/Mr Anderson will be final. Application Forms are available on eColl.



Late Work/ Absence from Assessment

Late work or absence from an assessment will result in no credit being awarded for that standard. However, if circumstances causing lateness/absence have been discussed with the appropriate HOD, are deemed legitimate, and supported by a doctor's certificate in the case of illness, the following outcomes may be possible:

- provide a specified time extension to submit work for assessment (eg an assignment)
- schedule the assessment at another agreed time
- provide a further assessment opportunity
- use relevant standard-specific evidence to award a grade
- no credit awarded.

Assessment Opportunities

There will one assessment opportunity for internal standards unless an opportunity for further assessment occurs naturally within the learning programme. A range of strategies suited to the subject area will be used to collect further evidence of student achievement whenever it is practical to do so.

Compassionate Consideration

If circumstances are such that a student believes that he has a case for compassionate assessment for an externally assessed achievement standard, application supported by documented evidence must be made in writing by the student using the appropriate NZQA forms and submitted to Mr Anderson. Compassionate assessment grades related to an absence from an external assessment must be based on evidence related to the standard for which the compassionate assessment is being sought. If students have failed to attend common examinations or tests or failed to complete other assessments relevant to that standard, the school will have no evidence to supply to NZQA and therefore allocation of a grade via a compassionate assessment will not be possible. **There is no compassionate consideration for NZ Scholarship.**

Special Assessment Conditions

Assistance is available for students who need special assessment conditions for internal and external assessment and have been identified as meeting required criteria. For any matters concerning special assessment conditions, the contact person is Ms G. Thomas.

Retention of Student Work

All internal assessment material will be retained by the department until it is no longer required for moderation purposes.

Student Obligations

1. Understand the assessment programme, procedures and policies.
2. Understand the requirements of each assessment being completed.
3. Check thoroughly the accuracy of the assessment by teachers when work is returned and verify grades in writing within 5 school days once work is returned.
4. Discuss problems/concerns with the Teacher/HOD.

Year 13

The essential point to be made is that the year is primarily an academic year for those intending to continue their studies. Other aspirations may be included and supported, provided class work is foremost.



University Entrance Requirements

1. A minimum of 42 credits at level 3 or higher on the NQF, including a minimum of 14 credits at level 3 or higher in each of two subjects from an approved subject list, with a further 14 credits at level 3 or higher taken from no more than two additional domains on the NQF or approved subjects. See <http://www.nzqa.govt.nz/ncea/acrp/secondary/docs/approved-subjects.doc>
2. A minimum of 14 credits at level 1 or higher in Mathematics or Pangarau on the NQF.
3. A minimum of 8 credits at level 2 or higher in English or Te Reo Māori; 4 credits must be in Reading and 4 credits must be in Writing. The literacy credits will be selected from a schedule of approved standards. The following link on the NZQA website identifies these standards <http://www.nzqa.govt.nz/ncea/ue/litreqs.html>

Achievement in subjects that are not in the ‘approved subjects’ list can be used for university entrance purposes, provided that 14 credits at level 3 come from no more than two domains. Note that some common courses of study, such as Tourism and Technology are based on standards from more than one domain.

NZ Scholarship

NZ Scholarship will extend our best students and enable top scholars to be identified and acknowledged. Students can enter one or more scholarship standard assessments as well as their level 3 assessments.

The aim is to assess a student’s ability to synthesise and integrate concepts - to apply higher level thinking based on in-school and independent learning.

The content assessed for Scholarship will be the same as that covered for level 3 achievement standards. Scholarship candidates will need to complete a full year of level 3 studies at a secondary school.

Assessment is standards-based and all assessments will be external. Standards have been developed for each Scholarship subject.

Scholarship will recognise the top performers in each subject without reference to any other subject. In all subjects, a proportion of the level 3 cohort will attain Scholarship. In most subjects the proportion will be approximately 3%.

Each Scholarship attained, earns a one-off award of \$500. Other Scholarship monetary awards require 3 high-level successes. Further details on Scholarship, including the monetary awards, are shown at this link on the NZQA website. <http://www.nzqa.govt.nz/scholarship/index.html>

Discretionary Entrance to University

Discretionary Entrance - a citizen or permanent resident, under 20 years of age and without University Entrance, and wanting to enter university directly from Year 12 who has completed NCEA Level 2, should refer to the relevant university or the Careers’ Adviser for details.

Useful Study Website for Students

www.studyit.org.nz Ministry of Education's online resource for sciences and mathematics students.



Introduction

This course follows on from the Year 11 course. It involves a more in-depth understanding of the Accounting processes and reports for sole proprietor firms.

Prerequisite

Fifteen credits at Level 1 in Accounting or at the discretion of the HOD. If students are new to Accounting and have gained NCEA Level 1, a special class will be formed. However, this will be subject to the numbers of students.

Course Content

On the satisfactory completion of this course, a student will have the skills necessary to:

- record financial transactions
- prepare financial statements (both manually and using computer software)
- analyse and interpret results and make recommendations
- have an understanding of accounting subsystems such as inventory; accounts receivable and fixed assets.

Where Does The Subject Lead?

- Year 12 Accounting is a prerequisite for Year 13 Accounting
- there are many tertiary institutions providing accounting, finance, marketing and economics courses. This course will provide a useful platform for further studies.

Assessment

The following standards will be offered and assessed:

Registered Number	Standard Title	Credits	Assessment Mode
90220 v3 (2.1)	Describe the conceptual basis of accounting for a sole proprietor	3	External
90223 v3 (2.4)	Demonstrate understanding of accounting processes for accounting subsystems	5	External
90224 v3 (2.5)	Prepare financial statements and related accounting entries for sole proprietors	5	External
90225 v2 (2.6)	Analyse and interpret information and make recommendation(s) for a sole proprietor	4	External
90226 v3 (2.7)	Use computer software to process financial transactions for a sole proprietor	3	Internal

Qualification: Twenty credits towards NCEA Level 2.



Introduction

Accounting at this level involves the processing and reporting for partnerships and companies. The course is based on International Accounting Standards and follows the New Zealand Institute of Chartered Accountants' guidelines.

Students will understand how to form both a partnership and a company; to prepare their accounting records and produce their final reports. The internal assessment involves an in-depth study of a New Zealand company's annual report, a very useful tool for any shareholder.

Prerequisite

Fifteen credits at Level 2 Accounting
or nineteen credits at Level 1 Accounting, if Level 2 Accounting was not attempted in 2009.

Course Content

This course covers the following areas:

- the conceptual basis of accounting following the New Zealand Framework
- processing information for partnerships and companies
- job costing, budgeting and breakeven analysis
- preparation of financial reports for partnerships and companies
- the analysis and interpretation of financial information (a listed company's annual report).

Where Does The Subject Lead?

This course is particularly relevant to any student considering studies at tertiary level in a business/commerce degree/diploma/certificate.

Assessment

The following standards are offered and assessed:

Registered Number	Standard Title	Credits	Assessment Mode
90500 v2 (3.1)	Describe and apply the conceptual basis of accounting in context	4	External
90501 v3 (3.2)	Process financial information for partnerships and companies	3	External
90502 v2 (3.3)	Process financial information for a manufacturing job cost subsystem	3	External
90503 v3 (3.4)	Prepare financial statements for partnerships and companies	6	External
90504 v2 (3.5)	Prepare a report that analyses and interprets a company's financial report for external users	5	Internal
90505 v2 (3.6)	Explain and prepare information for management decision making	3	External

Qualifications: Twenty-four credits towards NCEA Level 3 and Scholarship Accounting.



At Year 12, the Art programme is two separate classes offering Design and Photography in one, and Paint and Printmaking in the other.

This course will enable students to try both Design and Photography before choosing to do one in much greater detail in the second half of the year. The course aims to extend students' understanding of Design and Photography as an art form. Critical faculties and art experience will be expanded by actively studying existing works of prominent artists in order to develop a visual vocabulary.

Prerequisite

To continue to do Art-based subjects at Year 12, a student requires as a minimum 15 credits in Art at level 1.

If a student wishes to take an Art-based subject at Year 12 but has not taken the subject before, he will need a minimum of 75 credits in all subjects at level 1. He will also need to be interviewed by the HOD Art to better gauge his suitability to do the course. At such time he may be asked for some examples of his drawings, photographs or related work (Graphics and/or Technology). He will also need a digital camera to enable him to do the Photography unit.

Course Content

This course consists of two drawing units and a folio unit of work. Each of the drawing units will be worth 6 credits and the folio unit 12 credits. In Photography, students will be asked to explore a series of visual problems while studying the work of Herbert Spencer. In Design, students will be given a design problem and then helped through a series of processes to solve the problem. For the folio, students will **choose between the two subjects** to develop further into a folio of work that will consist of 2 panels 640 x 820 mm.

Assessment

The following standards will be offered and assessed:

Registered Number	Standard Title	Credits	Assessment Mode
90474 v2 (2.1) Des	Research and document methods and ideas in the context of a drawing study in design	6	Internal
90475 v2 (2.2) Des	Generate and develop ideas using drawing processes and procedures in design practice	6	Internal
90235 v2 (2.3) Des	Produce a body of work within design to show understanding of art-making methods and ideas	12	External
90477 v2 (2.2) Photo	Generate and develop ideas using drawing processes and procedures in photography practice	6	Internal
90480 v2 (2.3) Photo	Produce a body of work within photography to show understanding of art-making methods and ideas	12	External

Results for the folio unit will be externally verified. Work for one of the internal standards will be externally moderated.

Qualification: 24 credits towards NCEA Level 2.



Art - Painting and Printmaking

Year 12

At Year 12, the Art programme has become two separate classes in Year 12, offering Design and Photography in one class and Paint and Printmaking in the other.

This course will enable the students to try both Painting and Printmaking before choosing to do one in much greater detail. The course aims to extend the students understanding of Paint and Printmaking as an art form. Critical faculties and art experience will be expanded by actively studying existing works of prominent artists in order to develop a visual vocabulary.

Prerequisite

To continue to do Art-based subjects at Year 12, a student requires as a minimum 15 credits in Level 1 Art.

If a student wishes to take an Art-based subject at Year 12, but has not taken the subject before, he will need a minimum of 75 credits in all subjects at level 1. He will also need to be interviewed by the HOD Art to better gauge his suitability to do the course. At such time he may be asked for some examples of his drawings, paintings or related work (Graphics and/or Technology).

Course Content

This course consists of two drawing units and a folio unit of work. Each of the drawing units will be worth 6 credits and the folio unit 12 credits. In Painting, students will be asked to explore a series of drawing and painting styles while studying the work of Jim Dine, Richard Diebenkorn, David Hockney and Brent Whiteley.

In Printmaking, students will be asked to use the drawings developed in the first unit to solve a series of visual problems based on printmaking practices. Students will choose between the two subjects to develop further, a folio of work that will consist of 2 panels 640 x 820 mm. Students who are not already doing the other Year 12 Art course, could choose to do a Design unit at this stage of the year. This however will be worth 6 credits, and not 12.

Assessment

The following standards will be offered and assessed:

Registered Number	Standard Title	Credits	Assessment Mode
90476 v2 (2.2) Paint	Generate and develop ideas using drawing processes and procedures in painting practice	6	Internal
90479 v2 (2.3) Paint	Produce a body of work within painting to show understanding of art-making methods and ideas	12	External
90472 v2 (2.1) Print	Research and document methods and ideas in the context of a drawing study in printmaking	6	Internal
90478 v2 (2.2) Print	Generate and develop ideas using drawing processes and procedures in printmaking practice	6	Internal
90481 v2 (2.3) Print	Produce a body of work within printmaking to show understanding of art-making methods and ideas	12	External

Results for the folio will be externally verified. Work for one of the internal standards will be externally moderated.

Qualification: 18 - 24 credits towards NCEA Level 2.



Art at Year 13 consists of four separate subjects: Painting, Printmaking, Design and Photography. Students with previous experience at Year 12 within any of these subjects can design their own course at Year 13. It is essential that students work with independence and self discipline.

Prerequisite

A student will need a minimum of 15 credits in one of the two Level 2 Art courses. Within his chosen discipline at Year 13, a student will need a Merit as well from the previous year's Level 2 course. In the event that a student wishes to do an Art-based subject with no previous experience, he will need to organise an interview with the HOD Art to gauge suitability.

Objective of all Art-based courses at Year 13

Although there are particular requirements for each of the four courses offered at the College, all the courses will give the student the opportunity to develop a range of skills while at the same time enabling them to develop an individual approach to image making within their chosen media. Students will not be eligible for entry to Scholarship unless they attempt **one of the externally assessed standards within their chosen discipline.**

Equipment/Material Costs

All Art subjects are expensive at this level. Costs are as follows: Design \$80, Painting \$110, Printmaking \$110 and Photography \$150-\$200. Each photography student needs access to a digital camera.

Course Content and Assessment

It is anticipated that there will be two classes in which the following level 3 standards will be offered.

Registered Number	Standard Title	Credits	Assessment Mode
90515 v2 (3.1)	Research and analyse approaches within established design practice	4	Internal
90516 v2 (3.2)	Investigate and use ideas and methods in the context of a drawing study in design	6	Internal
90517 v2 (3.3)	Produce original work within design to show extensive knowledge of art-making methods and ideas	14	External
90659 v2 (3.1)	Research and analyse approaches within established painting practice	4	Internal
90663 v2 (3.2)	Investigate and use ideas and methods in the context of a drawing study in painting	6	Internal
90667 v2 (3.3)	Produce original work within painting to show extensive knowledge of art-making methods and ideas	14	External
90660 v2 (3.1)	Research and analyse approaches within established photography practice	4	Internal
90664 v2 (3.2)	Investigate and use ideas and methods in the context of a drawing study in photography	6	Internal
90668 v2 (3.3)	Produce original work within photography to show extensive knowledge of art-making methods and ideas	14	External
90661 v2 (3.1)	Research and analyse approaches within established printmaking practice	4	Internal
90665 v2 (3.2)	Investigate and use ideas and methods in the context of a drawing study in printmaking	6	Internal
90669 v2 (3.3)	Produce original work within printmaking to show extensive knowledge of art-making methods and ideas	14	External

A folio consisting of three panels 800 mm x 610 mm will be externally assessed at the end-of-the year. Internal assessments will be ongoing throughout the year to help students develop sound work habits and objectively plot each student's progress.

Qualifications: Credits towards NCEA Level 3 and Scholarship Visual Arts.



Introduction

Students will be introduced to History in the context of Art. The course will focus on French Art and New Zealand Art, in order to provide students with the academic knowledge and analytical skills to read and interpret visual media and Fine Art, and to understand the impact of Art on an historical and contemporary society. The course will prepare students for Level 3 Art History - a more extensive and challenging course, often selected by students as an enrichment to complement their other chosen subjects.

Prerequisite

Entrance to Year 12 Art History is conditional on a suitable level of academic achievement at level 1. Students should have gained at least 80 Level 1 credits including 15 in Level 1 English. Entry of students who do not meet these criteria will be admitted at the discretion of the HOD Art.

Main Areas Of Study

The year will examine three major topics:

- Early French Art
- Māori Art/Taonga (Traditional and Contemporary)
- Art in Aotearoa.

Where Does this Subject Lead?

Knowledge of Art History can lead on to many of the media and theatre industries and may include career opportunities in museums, or work in art galleries, event management, writing and design. Experience in Art History can give students insight into other cultures plus their own, as well as a series of tools to engage the students of those cultures. Also, as the world has become engulfed in visual media through advertising and commercials, Art History helps students decode signs and signals that they are presented with, and enable them to be discerning in the interpretation of them.

Assessment

Six standards are offered, with a total of 24 credits possible. Details are as follows, with the credit value and assessment mode for each standard indicated:

Registered Number	Standard Title	Credits	Assessment Mode
90227v2 (2.1)	Discuss art works	4	External
90228 v2 (2.2)	Examine subjects and themes in art	4	External
90229 v2 (2.3)	Examine techniques used in art	4	Internal
90230 v2 (2.4)	Examine an art movement	4	External
90231 v2 (2.5)	Research an art history topic	4	Internal
90232 v3 (2.6)	Examine art works in their environmental contexts	4	Internal

Qualifications: Credits towards NCEA Level 2.



The study of the art of the past is seen as valuable in itself, and contributes to an understanding of the art and culture of the present. Art History is concerned with the analysis and interpretation of works of art within their cultural and historical context.

Prerequisite

Entrance to Year 13 Art History is conditional on a suitable level of academic achievement at level 2. Students should have gained at least 60 level 2 credits including 15 in level 2 English. Entry of students who do not meet these criteria will be at the discretion of the HOD Art.

Areas Of Study

Four options will be selected by the teacher from the following:

Renaissance Art

- Fourteenth Century Italian Painting
- Naturalism and Science in 15th century Italian Painting
- Sculpture in Renaissance Italy
- The High Renaissance; Leonardo, Michelangelo, Raphael
- Painting in Venice
- The Renaissance in Northern Europe

Modern Art

- Towards Abstraction; Cubism and Futurism
- Expressionism in France and Germany
- Dada and Surrealism
- Modern Architecture
- American Art since 1945
- New Zealand Art since 1945

Assessment

The course has 3 internally assessed standards worth a total of 11 credits and 3 externally assessed standards worth a total of 13 credits. Details of the standards offered and assessed, with their individual credit values and assessment modes are as follows:

Registered Number	Standard Title	Credits	Assessment Mode
90490 v3 (3.1)	Analyse style in art	5	External
90491 v3 (3.2)	Describe the meaning of iconographic motifs	4	External
90492 v2 (3.3)	Examine media and processes in art	3	Internal
90493 v2 (3.4)	Examine a theory and its role in art	4	Internal
90494 v2 (3.5)	Investigate an art issue	4	Internal
90495 v3 (3.6)	Examine the context of an art movement	4	External

Qualifications: Credits towards NCEA Level 3 and Scholarship Art History.



Year 12 Biology aims to give an understanding of some of the fundamental areas of biology such as relationships between organisms and their environment, cell biology, genetics, animal and plant structure/function and biotechnology.

Prerequisite

Entrance to Year 12 Biology is conditional on gaining 80 credits at level 1 (in any subjects) of which 16 credits (minimum of 9 credits from external assessments) will be from a level 1 Science course.

Students who do not fulfil these requirements may instead, consider taking Year 11 Biology.

Course Content

Practical Ecology: Populations and community patterns; analysis of data from field trips.

Units of Life: Cell structure and function. Cell organelles. Microscope work.

The Functioning Animal: Studies of structure and function of gas exchange and transport systems in animals, focussing on insects, fish and mammals.

The Functioning Plant: Studies of structure and function of reproductive and transport systems in plants, focussing on monocotyledons and dicotyledons.

Genetic variation and change: How genetic variation occurs within populations.

Assessment

The following standards will be offered and assessed:

Registered Number	Standard Title	Credits	Assessment Mode
90457 v2 (2.1)	Carry out a biological investigation with supervision	3	Internal
90769 v1 (2.2)	Research the interaction between humans and an aspect of biology	3	Internal
90459 v2 (2.3)	Describe genetic variation and change	3	External
90460 v2 (2.4)	Investigate an interrelationship or pattern in a population or community	3	Internal
90462 v2 (2.6)	Describe diversity in the structure and function of animals	3	External
90463 v2 (2.7)	Describe diversity in the structure and function of plants	3	External
90464 v2 (2.8)	Describe cell structure and function	3	External

Qualification: 21 credits towards NCEA Level 2.



Year 13 Biology aims to give an understanding of some key areas of biology eg gene expression, plant responses and animal behaviour, patterns of evolution, human evolution and biotechnological techniques.

Prerequisite

Entrance to Year 13 Biology is conditional on a suitable level of academic achievement at level 2. Students should have gained at least 60 level 2 credits, including 15 in Level 2 English. Entry for students who do not meet these criteria will be at the discretion of the HOD Biology.

Course Content

Practical Investigation: this involves carrying out a practical investigation of the ecological niche of an organism with guidance.

Gene expression: the role of DNA in gene expression, gene-gene interactions, gene-environment interactions, mutation, the control of metabolic pathways and the control of gene expression.

Plant responses and animal behaviour: orientation responses; timing responses; inter-specific relationships; intra-specific relations.

Patterns of evolution: speciation; ways in which speciation occurs; reproductive isolating mechanisms that contribute to speciation; convergent, parallel and divergent evolution, punctuated equilibrium.

Biotechnology: *Techniques* will be selected from: PCR, ligation, use of restriction enzymes, gel electrophoresis, DNA sequencing, DNA chips and tissue culture. *Applications* will be selected from gene cloning, transgenesis, stem cell research, xenotransplantation, DNA profiling, and genome analysis.

Human biological and cultural evolution: trends in hominid biological evolution; trends in hominid cultural evolution.

Assessment

The following standards will be offered and assessed:

Registered Number	Standard Title	Credits	Assessment Mode
90713 v2 (3.1)	Carry out a practical investigation into an aspect of an organism's ecological niche with guidance	4	Internal
90715 v2 (3.3)	Describe the role of DNA in relation to gene expression	4	External
90716 v2 (3.4)	Describe animal behaviour and plant responses in relation to environmental factors	4	External
90717 v2 (3.5)	Describe processes and patterns of evolution	3	External
90718 v2 (3.6)	Describe applications of biotechnological techniques	3	Internal
90719 v2 (3.7)	Describe trends in human evolution	3	External

Qualifications: 21 credits towards NCEA Level 3 and Scholarship Biology.



Year 13 practical Biology is aimed at students with a **genuine interest in Biology**, but who are **not considering sitting Scholarship Biology** and would prefer a more practically-based Biology course.

Prerequisite

Level 2 NCEA. Students do not need to have previously studied Biology at Level 2.

Course Content

The course offers 18 credits, all from internally assessed standards. Five of the six standards have a high practical component. The course has a major focus on New Zealand Biology. Students will learn to identify plants and animals from NZ and why New Zealand's biota (plants and animals) are so unique. They will also study practical applications of biological techniques in molecular biology and biotechnology, practically investigate how plants and animals respond to their environment and practically investigate an aspect of an organism's ecological niche.

Topics

Identify flora and fauna: understanding classification of plants and animals; practical classification of NZ plants and animals using keys. Herbarium.

Contemporary molecular biology and biotechnology: Practical investigation of contemporary examples of biological techniques eg gel electrophoresis; enzyme technology. How human needs/demands influenced the development and use of a technique.

Animal behaviour: a practical investigation to examine a behavioural response in an animal. Aspects of animal responses include taxes, kineses, interspecific and intraspecific behaviours.

Plant responses: a practical investigation to examine a plant response. Aspects of plant responses include tropisms, nastic responses, interspecific and intraspecific responses.

The special characteristics of New Zealand's biota: Investigation of special characteristics of endemic New Zealand organisms eg flightlessness in birds, gigantism in insects, paucity of mammals. Explaining reasons for the evolution of special characteristics of endemic New Zealand organisms.

Practical investigation into an aspect of an organism's ecological niche: a practical biological investigation, with guidance, into an aspect of the ecological niche of an organism. It will involve planning the investigation, collecting and processing the data, interpreting the results, and presenting a report of the findings

Assessment

The following standards will be offered and assessed, with 18 credits possible:

Registered Number	Standard Title	Credits	Level	Assessment Mode
8099 v3	Identify flora and fauna	2	4	Internal
6320 v4	Describe a biological technique used in contemporary molecular biology or biotechnology	3	3	Internal
8933 v3	Relate aspects of animal behaviour to environmental factors	3	3	Internal
8934 v3	Relate aspects of plant responses to environmental factors	3	3	Internal
90713 v2	Carry out a practical investigation into an aspect of an organism's ecological niche with guidance	4	3	Internal
6311 v4	Explain reasons for the special characteristics of New Zealand's flora and fauna	3	2	Internal

Note that standard 6311 is assessed at level 2, and cannot contribute directly towards NCEA L3.

Qualification: 15 credits towards NCEA Level 3.



Aims

This course is available to students who are interested in business and can complement Accounting or Economics. It is for conscientious students whose learning style is suited to a "hands-on" outcome oriented course of study and enjoy working in a team environment.

Prerequisite

NCEA Level 1 certificate.

Course Content

This is an introductory course to Business. Topics covered include marketing, the production process and business organisations. These skills are then used in a team environment to run a small business activity which is assessed.

Assessment

The following standards will be offered and assessed:

Registered Number	Standard Title	Credits	Assessment Mode
22850 v1	Demonstrate and apply knowledge of marketing in business	2	Internal
22851 v1	Analyse business organisations in relation to their features	2	Internal
22852 v1	Demonstrate and apply knowledge of business production processes	2	Internal
22853 v1	Describe and analyse the impact of external factors affecting New Zealand business organisations	2	Internal
22854 v1	Apply innovative thinking techniques within a business context	2	Internal
22855 v1	Plan for an ongoing business activity	3	Internal
22856 v1	Carry out an ongoing business activity	5	Internal
7380 v4	Recognise and examine management control concepts	3	Internal (level 3)

Where Does The Subject Lead?

Business at Year 12 leads on to Business at Year 13.

Qualification: Eighteen credits towards NCEA Level 2 and 3 credits towards NCEA Level 3.



Aims

This course is aimed at students who are:

- going to study Commerce further, but not necessarily Accounting or Economics
- going on to do a trade and might end up running their own business
- interested in Business topics.

Prerequisite

Sixteen credits at Level 2 Business or at the discretion of the HOD.

Course Content

Students enrol in the Young Enterprise Scheme (YES) run by Enterprise New Zealand Trust. The course involves designing a product or service in teams of 4 or 5. To succeed in this subject, students need to be able to work well in a group. Unit standards are assessed, based on the work completed in running the Young Enterprise team. Achievement with Merit is available in the Level 3 Business unit standards.

Note: there is a cost involved in running the YES - \$50 per person. Students will have the opportunity to sit the YES examination at an additional cost of \$25.

Assessment

The following standards will be offered and assessed:

Registered Number	Standard Title	Credits	Assessment Mode
22857 v1	Analyse a marketing issue in a business organisation and evaluate potential solutions	3	Internal
22858 v1	Evaluate the impact of change on business organisations' operations and strategic objectives	3	Internal
22859 v1	Analyse a human resource management issue in a business organisation and evaluate potential solutions	3	Internal
22860 v1	Analyse a production process issue in a business organisation and evaluate potential solutions	3	Internal
22862 v1	Plan for an ongoing complex business activity	4	Internal
22863 v1	Carry out a planned ongoing complex business activity	8	Internal

Qualification: Twenty four credits towards NCEA Level 3.



Aims

This course is designed to prepare students for future employment and further education. It aims to develop confidence and competence in personal, social and work-related areas. A strong emphasis is put on active learning methods and learning activities outside the classroom.

Prerequisite

There are no academic prerequisites for this course.

Course Content

During the course, students will:

- understand and develop the skills required by employers
- look at the changing nature of the workplace
- practise job interview skills and time management
- develop cooperative learning and leadership skills
- explore options and opportunities for employment in the volunteer paid and workforce.

Course Content and Assessment

The following standards will be offered and assessed. Credits gained are at level 2.

Registered Number	Standard Title	Credits	Assessment Mode
	Rights and Responsibilities		
12354 v2	Describe implications of independent living, including renting and flatting	4	Internal
1979 v7	Describe the employment relationship, and the application of employment law to that relationship	3	Internal
	Community		
1827 v6	Identify support services and resources within the community	2	Internal
	Career Planning and Employment Skills		
10781 v2	Produce a plan for own future directions	3	Internal
1294 v4	Be interviewed in a formal situation	2	Internal
4253 v4	Obtain job search skills	3	Internal
524 v4	Operate a personal budget	2	Internal
62 v4	Maintain personal presentation in the workplace	2	Internal
7123 v3	Demonstrate knowledge of problem solving and apply a problem solving technique to a problem	2	Internal
4252 v3	Produce a targeted CV (curriculum vitae)	2	Internal

A number of outside programmes may also be covered such as those available through tertiary providers, depending on the time available and the interests of the students.

Qualification: Credits towards NCEA Level 2.



Aims

The aims of the course are:

- to familiarise students with general chemical principles
- to investigate the properties of some common groups of chemicals and identify patterns in these properties
- to familiarise students with practical techniques and to link such work to theory
- to promote an awareness of the importance of chemistry in everyday life.

Prerequisite

15 Credits at NCEA Level 1 Science are needed, including achievement standard 90640 (1.4), or at the discretion of the Head of Department.

Assessment

Class assessments include three internally assessed standards (8 credits) and practices for the other four externally assessed standards (16 credits). Practical work and demonstrations are included at all stages of the course.

The following standards will be offered and assessed:

Registered Number	Standard Title	Credits	Assessment Mode
90305 v2 (2.1)	Carry out qualitative analysis	3	Internal
90306 v2 (2.2)	Carry out an acid–base volumetric analysis	3	Internal
90763 v2 (2.3)	Solve simple quantitative chemical problems	2	Internal
90308 v2 (2.4)	Describe the nature of structure and bonding in different substances	4	External
90309 v2 (2.5)	Describe the structural formulae and reactions of compounds containing selected organic functional groups	4	External
90310 v2 (2.6)	Describe thermochemical and equilibrium principles	5	External
90311 v2 (2.7)	Describe oxidation and reduction reactions	3	External

Qualification: 24 credits towards NCEA Level 2.



Aims

The aims of the course are for students to increase their general understanding of chemistry and to enable them to gain excellence in Chemistry at Year 13 to be ready for tertiary study.

Prerequisite

Fifteen credits or more gained in Level 2 Chemistry, or else at the discretion of the Head of Department. This course builds on and extends work covered in the Year 12 course.

Assessment

Practical work and demonstrations are included throughout the course. The course is assessed partly externally (18 credits) and partly internally (6 credits).

The following standards will be offered and assessed:

Registered Number	Standard Title	Credits	Assessment Mode
90694 v2 (3.1)	Carry out an extended practical investigation involving quantitative analysis	4	Internal
90695 v2 (3.2)	Determine the concentration of an oxidant or reductant by titration	2	Internal
90696 v2 (3.3)	Describe oxidation-reduction processes	3	External
90780 v1 (3.4)	Describe properties of particles and thermochemical principles	5	External
90698 v2 (3.5)	Describe aspects of organic chemistry	5	External
90700 v2 (3.7)	Describe properties of aqueous systems	5	External

Qualifications: Twenty-four credits towards NCEA Level 3 and Scholarship Chemistry.



This course is designed for students who have completed two/three years study of Chinese.

Prerequisites

Year 12 entry, plus 15 credits in Chinese NCEA Level 1.

Course content

The course aims to enable students to:

- take part in general conversation with native speakers of Chinese
- express their own ideas in Chinese
- read authentic non-fictional and imaginative writing in Chinese
- understand current social and cultural developments in China and in Chinese New Zealand communities.

Modules will focus on Chinese eating culture, seeing a doctor, family life, schooling, leisure and holidays.

Assessment

The following standards will be offered and assessed:

Registered Number	Standard Title	Credits	Assessment Mode
90382 v2 (2.1)	Listen to and understand spoken language in Chinese in less familiar contexts	6	External
90383 v2 (2.2)	Give a prepared spoken presentation in Chinese on a less familiar topic	3	Internal
90384 v2 (2.3)	Converse in Chinese in a less familiar context	3	Internal
90385 v2 (2.4)	Read and understand written language in Chinese in less familiar contexts	6	External
90386 v2 (2.5)	Write text in Chinese on a less familiar topic	3	External
90387 v2 (2.6)	Produce crafted writing in Chinese on a less familiar topic, with the support of resources	3	Internal

Qualification: Credits towards NCEA Level 2.



The Year 13 programme is designed for students who have already completed at least three years study of Chinese or who have first language knowledge of Chinese.

Prerequisites

Year 13 entry, plus 15 credits in Chinese at NCEA Level 2.

Course content

The course aims to develop the ability of students to communicate effectively in all four language skills to level 8 of the National Curriculum. Students are expected to be able to:

- write 350 Chinese characters from memory
- recognise up to 600 characters
- take part in general conversation in Chinese, understanding most of what is said contributing relevant comments
- express and discuss their own ideas and opinions
- interact comfortably with native speakers, especially those of their own age.

Assessment

The following standards will be offered and assessed:

Registered Number	Standard Title	Credits	Assessment Mode
90546 v2 (3.1)	Listen to and understand complex spoken Chinese in less familiar contexts	6	External
90547 v2 (3.2)	Give a prepared speech in Chinese using complex language	3	Internal
90548 v2 (3.3)	Converse in Chinese using complex language in less familiar contexts	3	Internal
90549 v2 (3.4)	Read and understand written Chinese, containing complex language, in less familiar contexts	6	External
90550 v2 (3.5)	Write text in Chinese using complex language on a less familiar topic	3	External
90551 v2 (3.6)	Write crafted text in Chinese, using complex language, with the support of resources	3	Internal

Qualifications: Credits towards NCEA Level 3 and Scholarship Chinese.



Classical Studies is the study of the civilisations of classical Greece and Rome **without** the study of classical languages, Greek and Latin. It is a multi-disciplinary subject, including a number of different types of study: literature, political and social history, art history and archaeology.

Prerequisites

Year 12 entry, plus 15 credits in NCEA English at level 1.

Course Content

The course focuses on:

- the significant political, cultural and economic forces that shaped the societies of the Ancient Greek and Roman World
- the contributions of some prominent individuals to the development and expansion of Greek and Roman ideals and civilisation
- the contribution Greek and Roman society has made to western culture, values and institutions.

Students will be expected to:

- interpret and analyse primary and secondary sources
- make a statement of evaluation or personal response about works of literature and art
- respond creatively to classical civilisation in written, visual or audio-visual form.

Topics Studied

Five topics will be studied:

Greek topics

- Greek Mythology
- Homer's *Odyssey*
- Architecture and Sculpture of Fifth-Century Athens

Roman topics

- Roman social life
- Roman politics at the time of Julius Caesar

Assessment

The following standards will be offered and assessed:

Registered Number	Standard Title	Credits	Assessment Mode
90247 v.2 (2.1)	Examine a passage from a work of classical literature in translation	5	External
90248 v.2 (2.2)	Examine a work of classical art and/or architecture	5	External
90249 v.2 (2.3)	Examine in essay format an aspect of the classical world	5	External
90250 v.2 (2.4)	Complete an independent examination of an area of classical studies	5	Internal
90251 v.2 (2.5)	Communicate knowledge of an aspect of the classical world	4	Internal

Qualification: Credits towards NCEA Level 2.



Classical Studies is the study of the civilisations of classical Greece and Rome **without** the study of the classical languages, Greek and Latin. It is a multi-disciplinary subject, including a number of different types of study: history, literature, philosophy and art history.

The course examines:

- the historical importance of classical civilisation in the cultural tradition of Western Europe
- the intrinsic quality and interest of the products of classical civilisation.

Three of the following topics will be taught:

- **Alexander the Great** - the career of Alexander, including his military conquests, the administration of his empire, his relations with Macedonia and Greece and his religious views
- **Aristophanes' Comedies** - with special reference to *Wasps* and *Frogs*, including a general knowledge of background and staging
- **Virgil** - Books 1, 2, 4 and 6 of Virgil's *Aeneid*, including the plot and characters of the poem, the role of the gods and the theme of Rome's world mission
- **Art of the Roman Empire** - the sculpture, mosaics and public architecture of the Roman Empire from Augustus to Constantine
- **Greek Vase Painting** - the development of Athenian vase painting in the sixth and fifth centuries BC.

Prerequisites

Year 13 entry, plus 15 credits in English or History at level 2.

Assessment

The following standards will be offered and assessed:

Registered Number	Standard Title	Credits	Assessment Mode
90511 v2 (3.1)	Explain a passage or passages from a work of classical literature in translation	6	External
90512 v2 (3.2)	Explain a work or works of classical art	6	External
90513 v2 (3.3)	Explain in essay format an aspect of the classical world	6	External
90514 v2 (3.4)	Complete independent research on an area of the classical world	6	Internal

Scholarship Classical Studies is also offered. It is externally assessed by a 3-hour examination. Candidates must write three essays based on level 3 topics studied in greater depth.

Qualifications: Credits towards NCEA Level 3 and Scholarship Classical Studies.



Year 12 Computer Studies is designed to foster an awareness of how computers can be used to assist us in everyday life.

Prerequisite

No prior knowledge of computers is assumed.

Course Content

The Computer Studies course has a practical orientation with the emphasis on the use of Windows applications. Students are encouraged to independently explore topics in depth.

The major applications to be studied include:

- Word Processing/Publisher for the development and production of documents
- Databases for the storage and extraction of information
- Spreadsheets for solving problems related to finance
- Integration of data between computer applications
- Powerpoint for presenting information
- Graphics
- Email
- Internet Page Design
- File management, computer security and privacy of data.

Assessment

The following standards will be offered and assessed:

Registered Number	Standard Title	Credits	Assessment Mode
2781 v6	Manage and protect data in a personal computer system	3	Internal
2784 v6	Create and use a simple computer spreadsheet to solve a problem	3	Internal
2786 v6	Create and use a computer database to solve a problem	3	Internal
2788 v6	Produce desktop published documents to meet a set brief	5	Internal
2791 v6	Integrate spreadsheet and database data into a word processed document to meet a set brief	3	Internal
5940 v6	Produce a presentation using a desktop presentation computer application	3	Internal
25656 v1	Create a website using a make-up language to meet a set brief	3	Internal

Qualification: Credits towards NCEA Level 2.



The Year 12 Digital Media course is designed to foster an awareness of and gain skills in the fast evolving world of web-based digital technologies. Participants will also be given the opportunity to explore career pathways aligned to their particular area of interest.

Prerequisite

No prior knowledge of computers is assumed.

Course Content

The course is fully internally assessed and project based. Students will produce an industry standard website for a client. They will design, create, test, evaluate and publish their projects while gaining skills in a range of computer software.

The course will cover these areas of learning and associated software:

- Layout and Design using Adobe Photoshop
- Web design with XHTML and CSS
- Graphics and Image optimisation
- Web page Interactivity with JavaScript
- Other web-based functions as required by individual project needs.

Note: The course will be limited to one class in 2010.

Assessment

This course is fully internally assessed through a range of achievement and unit standards. The details of the standards and the credits available are outlined below:

Registered Number	Standard Title	Credits	Assessment Mode
90342 v2 (2.1)	Develop and model a conceptual design in information and communication technology	6	Internal
90349 v2 (2.2)	Develop and implement a one-off solution in information and communication technology	6	Internal
90368 v2 (2.7)	Demonstrate skills in information and communication technology	4	Internal
18736 v2	Create a simple website using a text editor to meet the specifications of a given brief	4	Internal
15168 v4	Enhance pages on a website	4	Internal

Qualification: Credits towards NCEA Level 2.



This multi-level course will allow students to move comfortably as users of computers in a world of commerce and industry where this technology is commonplace.

Prerequisite

12 credits of level 2 Computing, or 60 credits overall at level 2, or by arrangement with the Head of the Computer Studies Department.

Course Content

The major applications to be studied include:

- Databases for the storage and extraction of information
- Powerpoint for presenting information
- Spreadsheets for solving problems related to finance
- Desktop publishing for the development and production of documents
- Internet Page Design.

Assessment

The following standards will be offered and assessed:

Registered Number	Standard Title	Credits	Assessment Mode
2787 v6	Create and use a computer database to provide a solution for organisation use	6	Internal
2785 v6	Create a computer spreadsheet to provide a solution for organisation use	5	Internal
2789 v6	Produce desktop published documents for organisation use	5	Internal

The following standard may be available.

25658 v1	Create a website for a stakeholder using a dedicated web-authoring tool	5	Internal
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Qualification: Credits towards NCEA Level 3.



This multi-level course aims to give students a broad experience in computer programming and problem solving. The course will also prepare students who are interested in undertaking further tertiary training in Computer Science, Bachelor of Information Technology, E-Commerce and Engineering.

Prerequisite

18 credits at level 2 Computing, or 80 credits overall at level 2, or by arrangement with the Head of the Computer Studies Department. A strong background in Mathematics and Sciences is essential.

Course Content

The major areas of study include:

- Number Theory as it relates to Computing
- Programming in C#
- Excel Macros and GUI Interfaces
- Programming constructs: flow control loops, decisions and assignment statements
- Procedures, functions and passing parameters
- Data structures: single and multi-dimensional arrays, records and array records, and Objects
- Algorithms: sort and search.

Projects during the year will involve:

- Building a website including both client and server side technologies
 - Client side technologies include: HTML, Javascript, CSS, DHTML, Flash
 - Server side technologies include: PHP, mySql
- Managing databases from the command line: queries, updates and simple SQL
- Graphical animation: multimedia, image movement.

Assessment

The following standards may be offered and assessed during projects that students do. All standards are at level 3, apart from standard 18738 which is at level 4.

Registered Number	Standard Title	Credits	Assessment Mode
18741 v3	Create a computer program to provide a solution	6	Internal
25658 v1	Create a website for a stakeholder using a dedicated web-authoring tool	5	Internal
18738 v3	Create and operate an interactive website to provide a solution for an organisation	15	Internal
2787 v6	Create and use a computer database to provide a solution for organisation use	6	Internal
5954 v6	Automate processes in a computer application using a scripting language	5	Internal

Qualification: Credits towards NCEA Level 3.



This course aims to give students with a talent/skill in both performance and technical aspects of Drama an opportunity to explore and develop that skill. The course involves both practical and theoretical elements of the subject.

Prerequisite

Entry to the course will be at the discretion of the years 11 and 12 Drama teaching team. Numbers will be restricted to students who have consistently applied themselves and completed the Year 11 Drama course and to students who have achieved NCEA Level 1 English at Merit grade.

Course Content and Assessment

The following standards will be offered and assessed:

Registered Number	Standard Title	Credits	Assessment Mode
90299 v2 (2.1)	Apply drama techniques in an improvised group context	2	Internal
90300 v2 (2.2)	Apply drama techniques in a group within a scripted context	3	Internal
90301 v2 (2.3)	Structure, record and perform devised drama using elements and conventions	4	Internal
90302 v2 (2.4)	Apply knowledge of a drama/theatre form or period through performing a role within a presentation	5	Internal
90303 v2 (2.5)	Perform a substantial acting, technical or production role	5	Internal
90304 v2 (2.6)	Apply knowledge of and make judgements about drama processes and performances in a new context	5	External

In addition, course members will be expected to attend a range of local theatrical productions throughout the year. Workshops with guest tutors will also be offered as appropriate throughout the course.

Qualification: Credits towards NCEA Level 2.



This course aims to give students with a talent/skill in Drama, further performance/technical opportunities to develop and apply their abilities. It is not confined to those who have already completed the level 2 course, but may also be undertaken by students who have demonstrated drama talents within the alternative opportunities offered within the college. The course involves both practical and theoretical elements of the subject.

Prerequisite

The successful completion of the Drama course at NCEA Level 2. However, students may be admitted to the course at the discretion of the HOD/Teacher.

Course Content and Assessment

The following standards will be offered and assessed:

Registered Number	Standard Title	Credits	Assessment Mode
90608 v2 (3.2)	Interpret scripted text and integrate drama techniques in solo or paired performance	5	Internal
90609 v2 (3.3)	Devise, script and perform drama for solo, duo or trio performance	5	Internal
90610 v2 (3.4)	Demonstrate knowledge of theatre form or period by analysing and interpreting two scripted texts	4	External
90611 v2 (3.5)	Research and carry out a performance or technical/production role in a significant production	6	Internal
90612 v2 (3.6)	Analyse drama processes in a new context and reflect critically on drama performance	4	External

In order to fulfil the requirements of standard 90611 above, students will be expected to commit to a production rehearsal schedule that will include rehearsals outside normal school hours. The production in 2009 will be selected from one of the drama periods or forms below:

- Shakespearean Drama
- Restoration Drama
- Absurdist Drama
- 20th century Drama

As for level 2, students will be expected to attend a number of local theatrical productions throughout the year, and to take advantage of Workshops that may be offered by visiting tutors.

NZ Scholarship

Students with outstanding drama abilities will be encouraged to attempt this qualification which is assessed by *viva voce* examination (ie performance) in three parts – a two-minute improvisation based on one of the plays studied in standard 90610; a piece of scripted self-devised drama; and a soliloquy or pastiche from one of the set texts from standard 90610. See Mrs McLean for further details.

Qualifications: Credits towards NCEA Level 3 and Scholarship Drama.



This course aims to give students, through the widest possible range of learning experiences, an understanding of the economic forces that underlie major social and political issues, and thus equip them to make considered judgements as workers, consumers, taxpayers and voters. To this end, the course requires active student involvement both inside and outside the classroom. The course should:

- provide students with an insight into the nature of their own economic environment
- lead students to understand the role of the New Zealand economic system in dealing with basic economic problems
- make students aware of their role as participants in the economic system and how they are affected by it.

Prerequisite

NCEA Level 1 certificate.

Course Content

- **Inflation** - Define inflation and how it is measured and examine its consequences. Explore causes of inflation and government policy measures to reduce inflation or its impact.
- **Trade** - Role of trade in NZ's economy and the impact of market forces on NZ's trade. Examination of trade patterns on the domestic economy and government policy measures that effect trade.
- **Growth** - Growth's impact on our living standards. Define growth measures and interpret statistical data related to growth. Influences on growth and positive/negative effects of growth. Government policy measures that affect growth.
- **Employment** - Concepts and definitions of employment and unemployment and its complexities. Influences on the labour market via supply and demand. Social/Economic effects of unemployment and government policies to deal with the problem.

Across all topics of study, students will examine how **government policies** which promote one aspect, may impact on the others.

Assessment

The following standards will be offered and assessed:

Registered Number	Standard Title	Credits	Assessment Mode
90794 v1 (2.1)	Describe inflation and its cause and effects using economic models	4	External
90795 v1 (2.2)	Describe international trade and its cause and effects using economic models	4	External
90796 v1 (2.3)	Describe economic growth and its causes and effects using economic models	4	External
90797 v1 (2.4)	Process, present and analyse statistical data in relation to given economic issues	6	Internal
90798 v1 (2.5)	Describe government policies in relation to economic issues	6	External
5859 v4	Analyse and describe the labour market in economics	6	Internal

Qualification: Thirty credits towards NCEA Level 2.



There are two Year 13 Economics courses offered. The standard course is a rigorous academic course designed to prepare students for the university Micro and Macro Economics courses. Students not intending to go on to tertiary study of Economics may like to consider the modified course (see p 38).

Prerequisite

- Fifteen achievement standard credits at L2 in Economics **or**
- Eighteen credits at L1 in Economics, if L2 Economics was not attempted in 2008.

Course Content

Resource Allocation via the Market System 90629 (3.1) and 90630 (3.2). The main ideas involved in the operation and decision making-making process of the market system, drawing on specific examples, predominantly from NZ.

- Economic problem of scarcity and allocation
- Individual and market demand curves, price and income elasticity of demand
- Supply curves for an individual perfectly competitive firm, price elasticity of supply
- Shifts in individual firms supply curves and price elasticity of supply
- Marginal analysis
- Behaviour of firms in perfect and monopoly market situations
- Market situations - monopoly, duopoly, oligopoly
- Supply and demand analysis applied to factor and commodity markets.

Allocation via the Public Sector 90631 (3.3). The part governments play in allocating resources, especially where it doesn't give efficient or equitable outcomes

- A legal system and framework exist to compensate for market failure
- Public and merit goods and reasons why government can't supply them in efficient quantities
- Positive and negative externalities and their influence on resource allocation
- Natural monopolies and their operation
- Free market solution may not always be equitable - government intervention may be necessary.

Aggregate Economic Activity and Policy 90632 (3.4). The workings of the economy as a whole and the effects of government policy.

- The circular flow of income and spending
- Factors that influence the domestic market for loanable funding
- Operation of the foreign exchange market
- Trends in government income and expenditure
- Impact of government budget/deficits/surpluses on the money supply
- Analysing the impact of the government's fiscal, monetary and exchange rate policies on price levels, employment and production.

Assessment

Registered Number	Standard Title	Credits	Assessment Mode
90629 v3 (3.1)	Understand marginal analysis and the behaviour of firms	5	External
90630 v2 (3.2)	Describe an economic problem, allocative efficiency, and market responses to change	4	External
90631 v2 (3.3)	Describe market failure and government interventions to correct for market failure	4	External
90632 v2 (3.4)	Describe aggregate economic activity	6	External
90778 v2 (3.5)	Collect and process information and carry out an economic analysis	5	Internal

Qualifications: Twenty four credits towards NCEA Level 3 and Scholarship Economics.



Prerequisite

NCEA Level 2 certificate completed.

Course Content

Resource Allocation via the Market System 90629 (3.1) and 90630 (3.2). The main ideas involved in the operation and decision-making process of the market system, drawing on specific examples, predominantly from New Zealand.

- Economic problem of scarcity and allocation
- Individual and market demand curves
- Price and income elasticity of demand
- Supply curves for an individual perfectly competitive firm
- Shifts in individual firms supply curves and price elasticity of supply
- Marginal analysis
- Concept of market equilibrium
- Behaviour of firms in perfect and monopoly market situations
- Market situations - monopoly, duopoly, oligopoly
- Supply and demand analysis applied to factor and commodity markets.

Allocation via the Public Sector 90631 (3.3). The part governments play in allocating resources, especially where it doesn't give efficient or equitable outcomes

- A legal system and framework exist to compensate for market failure
- Public and merit goods and reasons why government can't supply them in efficient quantities
- Positive and negative externalities and their influence on resource allocation
- Natural monopolies and their operation
- Free market solution may not always be equitable - government intervention may be necessary.

Assessment

The following standards will be offered and assessed:

Registered Number	Standard Title	Credits	Assessment Mode
90629 v3 (3.1)	Understand marginal analysis and the behaviour of firms	5	External
90630 v3 (3.2)	Describe an economic problem, allocative efficiency, and market responses to change	4	External
90631 v2 (3.3)	Describe market failure and government interventions to correct for market failure	4	External
90778 v2 (3.5)	Collect and process information, and carry out an economic analysis	5	Internal
10928 v3	Present an economic argument in an essay and another mode	4	Internal

Qualification: Twenty two credits towards NCEA Level 3.



Year 12 English reinforces and builds on the skills and knowledge gained at NCEA L1. The course outline is derived from the achievement objectives of the *English in the New Zealand Curriculum* statement. Students gain credits in NCEA at level 2.

Prerequisite

Year 12 entry, plus 15 credits in NCEA English at level 1. These must include credits in both reading (r) and writing (w) standards.

Course Content

A full course outline is issued to all students at the beginning of the academic year.

Assessment Outline for Standard Year 12 English Classes:

Registered Number	Standard Title	Credits	Assessment Mode
90375 v2 (2.1) (w)	Produce crafted and developed creative writing	3	Internal
90376 v2 (2.2) (w)	Produce crafted and developed formal transactional writing	3	Internal
90377 v2 (2.3) (r&w)	Analyse extended written text(s) (studied)	3	External
90378 v2 (2.4) (r&w)	Analyse short written texts (studied)	3	External
90379 v2 (2.5) (r&w)	Analyse a visual or oral text (studied)	3	External
90380 v2 (2.6) (r)	Read unfamiliar texts and analyse the ideas and language features	3	External
90374 v2 (2.7)	Deliver a presentation using oral and visual language techniques	3	Internal
12905 v3 (r)	Read an inclusive variety of written texts and record the reading experience	4	Internal

Year 12 Transition English Classes

A small group of students who have not achieved sufficient level 1 credits for entry into the Year 12 English programme will be selected for the transition course. This course offers achievement standards and unit standards from both levels 1 and 2. This programme will be multi-level with individual students working at the level that reflects their attainment in 2009.

Year 12 Advanced English

An advanced class will also work towards a level three achievement standard in literature research, with a long-term goal of working towards Scholarship in Year 13.

Important

Students should note that there is a **minimum requirement in literacy for university entrance**. This consists of 8 credits at level two or higher in English or Te Reo, including 4 credits from reading (r) and 4 credits from writing (w).

Qualification: Credits towards NCEA Level 2.



The standard Year 13 English course has a strong academic focus on writing, language and literature. The course content also provides the foundation for tertiary study of English.

Prerequisites

Year 13 entry, plus 15 credits in English at level 2, including at least one achievement standard in writing, 90375 (2.1) or 90376 (2.2), and at least one external achievement standard.

Course Content

A full course outline is issued to all students at the beginning of the academic year.

Assessment Outline for Standard Year 13 English Course:

Registered Number	Standard Title	Credits	Assessment Mode
90720 v2 (3.1) (w)	Produce an extended piece of writing in a selected style	4	Internal
90721 v2 (3.2) (r&w)	Respond critically to written text(s) studied	3	External
90722 v2 (3.3) (r&w)	Respond critically to Shakespearean drama studied	3	External
90723 v2 (3.4) (r&w)	Respond critically to oral or visual text studied	3	External
90724 v2 (3.5) (r)	Read and respond critically to unfamiliar prose and poetry texts	3	External
90725 v2 (3.6)	Construct and deliver an oral presentation	4	Internal
90726 v2 (3.7) (r&w)	Complete independent research on a language or literature topic and present conclusions in writing	4	Internal

Year 13 Modified Course (18 credits):

Students who need to focus on their writing skills and who have had less success in literature standards may apply for this reduced course. It will NOT include a Shakespeare study. It will include five level three achievement standards and one theme study unit standard, with extra opportunities to focus on essay writing. Numbers for this course are limited and entry will be at the discretion of the HOD.

Year 13 Transition English Course

Students who have not met the literacy requirements at level 2 English, but have gained some credits, may be selected for this course. Students will work at both level two and level three, with a focus on achieving the literacy requirements for tertiary entry. There is also a Gateway English course that is designed to improve the students' overall literacy skills. Its focus is to prepare students for the literacy requirements for the workplace.

Year 13 Scholarship English Class

Selected students will be part of a scholarship class preparing for the Scholarship English examination.

Important

Students should note that there is a **minimum requirement in literacy for university entrance**. This consists of 8 credits at level two or higher in English or Te Reo, including 4 credits from reading (r) and 4 credits from writing (w).

Qualifications: Credits towards NCEA Level 3 and Scholarship English.







English for Speakers of Other Languages (ESOL) Years 11 - 13

This subject is taken by students for whom English is not their first language. Each student is tested when he first starts at the College and the most appropriate programme within the ESOL or English Department will be decided. This decision will be discussed with the student, and will depend on the student's test result, previous academic level and age.

There are **three** separate programmes within the ESOL Department:

- ESOL
- English Level 1 and Level 2
- IELTS (the International English Language Testing System).

ESOL at Years 9 and 10: (9ESL and 10ESL)

These are optional language-support classes, and will be designed around the abilities and needs of the students. They may be at any level, ranging from Basic to Intermediate level.

Please note:

- if a student's test result at the beginning of the year shows that he is above the Intermediate level, then it is in his best interest to select a different option subject
- all Year 9 and Year 10 students will also study English in a mainstream class.

ESOL: (11ESI, 11ESL, 12ESL)

These classes are for students who still require a level of support with their academic English, and the opportunity will be provided to study NCEA at Level 1 and possibly Level 2, using and being assessed against ESOL standards on the NQF. The actual standards used will be decided at the beginning of the year, although a variation may occur during the year and will depend on the language ability of the class as a whole.

Please note:

- Year 11 students in 11ESI may possibly study and be assessed against selected ESOL and English standards.

English (11ESI, 12ESI, 13ESI)

Some students in years 11 and 12 and all students in Year 13 will be provided with the opportunity to study NCEA Level 1 or Level 2 using and being assessed against selected English standards on the NQF.

IELTS: (13ESL)

This is an IELTS-preparation class for Year 13 students. The students may choose whether they wish to sit the examination or not, although it is recommended to wait until September before making this decision. The four areas of speaking, listening, reading and writing will be covered, and students may attend both this class and an English class.



The main linguistic objective will be to maintain and extend further the skills of listening, speaking, reading and writing developed for NCEA Level 1. The emphasis will be on the communicative use of language so that students gain confidence in their ability to comprehend and use everyday French. However, attention will also be given to providing skills which will enable another language to be learned at a later date and to increasing an awareness and appreciation of the English language. The study of French and Francophone culture will continue to be an important feature of the curriculum, but it will not be independently assessed.

Prerequisites

Year 12 entry, plus 15 credits in French for NCEA Level 1.

Course Content

Students will be required to listen to, to read and to comment in French upon a wide variety of material, drawn from set courses, newspapers, magazines, literary texts, radio broadcasts or songs. This material will focus on functional language which will enable students to communicate in simple French with native speakers in New Zealand or in a French-speaking country. The vocabulary and grammatical structures required will be provided to students throughout the year. A small amount of material will range beyond that explicitly detailed. This will aim to encourage the development of the skills of sensible guessing of meaning from context and selecting key information.

Assessment

The following standards will be offered and assessed:

Registered Number	Standard Title	Credits	Assessment Mode
90395 v2 (2.1)	Listen to and understand spoken language in French in less familiar contexts	6	External
90396 v2 (2.2)	Give a prepared spoken presentation in French on a less familiar topic	3	Internal
90397 v2 (2.3)	Converse in French in a less familiar context	3	Internal
90398 v2 (2.4)	Read and understand written language in French in a less familiar contexts	6	External
90399 v2 (2.5)	Write text in French on a less familiar topic	3	External
90400 v2 (2.6)	Produce crafted writing in French on a less familiar topic, with the support of resources	3	Internal

Qualification: Credits towards NCEA Level 2.



The NCEA Level 3 course aims at assessing students' listening, speaking, reading and writing skills, together with their understanding of the way of life in French speaking countries. The vocabulary and grammatical structures required are defined in the *National French Curriculum, Levels 1 to 8*.

Prerequisites

Year 13 entry, plus 15 credits in French for NCEA Level 2.

Course Content

Students will be required to listen to, to read and to comment in French upon a wide variety of material, drawn from set courses, newspapers, magazines, literary texts, radio broadcasts, songs or film. This material will focus on functional language which will enable students to communicate in French with native speakers in New Zealand or in a French-speaking country. The vocabulary and grammatical structures required will be provided to students throughout the year. A small amount of material will range beyond that explicitly detailed. This will aim to encourage the development of the skills of sensible guessing of meaning from context and selecting key information.

Assessment

The following standards will be offered and assessed:

Registered Number	Standard Title	Credits	Assessment Mode
90558 v2 (3.1)	Listen to and understand complex spoken French in less familiar contexts	6	External
90559 v2 (3.2)	Give a prepared speech in French using complex language	3	Internal
90560 v2 (3.3)	Converse in French using complex language in less familiar contexts	3	Internal
90561 v2 (3.4)	Read and understand written French, containing complex language, in less familiar contexts	6	External
90562 v2 (3.5)	Write text in French using complex language on a less familiar topic	3	External
90563 v2 (3.6)	Write crafted text in French, using complex language, with the support of resources	3	Internal

Qualifications: Credits towards NCEA Level 3 and Scholarship French.



Aims

Gateway is set up to provide long-term structured workplace learning for senior students. It is a government funded programme by the Tertiary Education Commission (TEC). Students are not expected to pay any costs associated with Gateway.

It is anticipated that students will have the opportunity to experience Gateway placements in their areas of interest such as Building, Engineering, Banking, Automotive, Electrical, Retail, Cooking, Barista, Panel Beating, PC Repair Technician, as well as many other career options.

School attendance continues as usual, with students attending their Gateway placement one day per week for the school term or year. Essentially, this means that students are given the opportunity to ‘test drive’ their career choices, while gaining valuable ‘real’ experience and ‘real’ learning. In consultation with the employer, a learning plan is developed for each student, including assessment against industry-based standards on the National Qualifications Framework (NQF) that will contribute towards their Record of Achievement and national certificates.

In addition to their one day a week placement in the workplace, the weekly programme includes: Mathematics, English and relevant key generic (life) skills. Also, the programme will probably include Technology/Crafts and one/two academic subject choices. The life skills may cover courses in First Aid, Site Safety, Health and Safety in the Workplace, Personal Presentation and Operating a Personal Budget. Where appropriate, students are assessed against unit standards on the NQF.

This is an excellent opportunity for students to be productive in gaining knowledge and experience towards their future, as well as gaining credits towards qualifications. All interested students will be interviewed and will need to return a signed consent form from parents/caregivers.

Prerequisites

There are no academic prerequisites for this course. However, students will only be accepted onto the Gateway programme or remain on the programme if the following expectations are met. Students:

- are expected to attend the workplace every week for the full number of hours of the agreement
- must notify the employer by phone if they are ill or unable to attend. They must also ring through to the school and advise the Gateway Coordinator
- need to be punctual, respect work colleagues, and have a positive and cooperative attitude
- must obey all rules and regulations pertaining to work, dress appropriately, and show initiative.

Assessment

Students are assessed against relevant standards on the NQF.

Qualification: Credits towards NCEA Level 2 and/or Level 3.

If you are interested in finding out more about the Gateway programme for your son in 2010, or, if you have any questions, please ring Mr E. Rosenthal on 802 2536 or Mrs D. Hall on 803 0325.



Geography is the study of the Earth as the home of people. The aim of the Year 12 course is to develop in students, an understanding of the environment as the home of people through a wide range of learning experiences.

Prerequisite

NCEA L1 Geography is not necessarily a prerequisite for Level 2 Geography. Students who have not done Year 11 Geography, however, may wish to discuss their choice with the Head of Department.

Course Content

Natural Landscapes This topic focuses on landforms and the processes that produce them. Students will study what makes landscapes vary from place to place, the changes that occur in them over time and the effect of human activity on them. Our selected natural landscapes for study are the Tongariro Volcanic Centre and the Sahara Desert.

Urban Settlements This topic looks at the growth of urban settlements; the processes at work within them, and the patterns which result. Studies include a New Zealand urban settlement (Wellington) and an overseas urban settlement of global importance (London).

Development Disparities This topic looks at the differences in standards of living among people in the same country, and in different countries, how this can be measured and the reasons for these differences. The countries for focus and comparison are Egypt and the United Kingdom.

School Selected Studies Short studies of terrorism, globalisation, Wellington's climate, and a planning issue will be made to make students aware of current geographic issues on a local, national and global scale.

Assessment

Registered Number	Standard Title	Credits	Assessment Mode
90331 v2 (2.1)	Explain a Natural Landscape	3	External
90332 v2 (2.2)*	Explain an Urban Settlement	3	External
90333 v2 (2.3)	Explain Disparities in Development Within or Between Countries	3	External
90334 v2 (2.4)	Apply Skills and Ideas In A Geographic Context	4	External
90335 v2 (2.5)	Carry Out and Present Guided Geographic Research	5	Internal
90336 v2 (2.6)	Explain a Contemporary Geographic Issue & Evaluate a Course of Action	3	Internal
90337 v2 (2.7)	Explain a Geographic Topic at a Global Scale	3	Internal

*Note this standard will not be offered in 2010

Field Trip

There will be a three-day field trip early in the first term to the central North Island to study the Tongariro volcanic environment. The cost of this field trip will be \$160.

Where Can Studying Geography Lead Me To In The Future?

Urban/rural planning in the public/private sector; overseas development aid work with government agencies or NGOs; armed forces; geographic information systems and remote sensing; Cartography; Antarctic research; environmental research or consultancy; secondary school teaching; Meteorology; social/public policy making and analysis; diplomat with the Ministry of Foreign Affairs & Trade; resource management; tourist industry; social science research; fossil fuel exploration with oil companies; university research and lecturing; surveying.

Qualification: Credits towards NCEA Level 2.



Geography is the study of the Earth as the home of people. With tourism, agriculture and planning, all growth sectors in New Zealand's economy, NCEA L3 Geography is ideally placed to introduce students with the necessary skills to take part in New Zealand's future.

Prerequisite

Students should ideally have studied Geography previously if they wish to take the subject at level 3. The minimum entry requirement for Year 13 Geography is 15 level 2 credits in Geography, or a related subject such as History or Economics. In addition, students would benefit from having a strong background in English. Students who have not previously studied Geography must first discuss their choice with the Head of Department.

Course Content

Natural Processes This is a study of the geographic processes at work in the physical environment in New Zealand, focusing on the interaction of natural processes in a coastal area. Our selected geographic environment for study is Wellington's south coast.

Cultural Processes This unit is an in-depth study of people, focusing on how and where they live. Our selected cultural process topic is migration. Case studies are selected from New Zealand and overseas (Europe/Germany).

Planning and Decision Making This study involves the investigation of a geographic issue, problem or need and includes a major individual research assignment using local examples.

Assessment

Registered Number	Standard Title	Credits	Assessment Mode
90701 v2 (3.1)	Analyse Natural Processes in the Context of a Geographic Environment	4	External
90702 v2 (3.2)	Analyse a Cultural Process	4	External
90703 v2 (3.3)	Explain the Contribution of Geography to Planning and Decision-Making Processes	3	Internal
90704 v2 (3.4)	Select and Apply Skills & Ideas In A Geographic Context	4	External
90705 v2 (3.5)	Carry Out and Present Geographic Research with Consultation	3	Internal
90706 v2 (3.6)	Analyse A Contemporary Geographic Issue & Evaluate Courses of Action	3	Internal
90707 v2 (3.7)	Analyse a Geographic Topic at a Global Scale	3	Internal

NZ Scholarship

Students, after consultation with the Head of Department, may choose to enter the Scholarship Geography examination at the end-of-the year.

Field Trip

There will be a half-day field trip to Wellington's south coast in Term 1. The only cost will be transportation between school and the field trip site.

Where Can Studying Geography Lead Me To In The Future?

Urban/rural planning in the public/private sector; overseas development aid work with government agencies or NGOs; armed forces; geographic information systems and remote sensing; Cartography; Antarctic research; environmental research or consultancy; secondary school teaching; Meteorology; social/public policy making and analysis; diplomat with the Ministry of Foreign Affairs & Trade; resource management; tourist industry; social science research; fossil fuel exploration with oil companies; university research and lecturing; surveying.

Qualifications: Credits towards NCEA Level 3 and Scholarship Geography.



The main linguistic objective will be to maintain and extend further the skills of listening, speaking, reading and writing developed for NCEA Level 1. The emphasis will be on the communicative use of language so that students gain confidence in their ability to comprehend and use everyday German. However, attention will also be given to providing skills that will enable another language to be learned at a later date and to increasing an awareness and appreciation of the English language. The study of German culture will continue to be an important feature of the curriculum, but it will not be independently assessed.

Prerequisites

Year 12 entry, plus 15 credits in German NCEA Level 1.

Course Content

Students will be required to listen to, to read and to comment in German upon a wide variety of material, drawn from set courses, newspapers, magazines, literary texts, radio broadcasts or songs. This material will focus on functional language which will enable students to communicate in simple German with native speakers in New Zealand or in a German-speaking country. The vocabulary and grammatical structures required will be provided to students throughout the year. A small amount of material will range beyond that explicitly detailed. This will aim to encourage the development of the skills of sensible guessing of meaning from context and selecting key information.

Assessment

The following standards will be offered and assessed:

Registered Number	Standard Title	Credits	Assessment Mode
90401 v2 (2.1)	Listen to and understand spoken language in German in less familiar contexts	6	External
90402 v2 (2.2)	Give a prepared spoken presentation in German on a less familiar topic	3	Internal
90403 v2 (2.3)	Converse in German in a less familiar context	3	Internal
90404 v2 (2.4)	Read and understand written language in German in less familiar contexts	6	External
90405 v2 (2.5)	Write text in German on a less familiar topic	3	External
90406 v2 (2.6)	Produce crafted writing in German on a less familiar topic, with the support of resources	3	Internal

Qualification: Credits towards NCEA Level 2.



The NCEA Level 3 course aims at assessing students' listening, speaking, reading and writing skills, together with their understanding of the way of life in German-speaking countries. The vocabulary and grammatical structures required are defined in the *National German Curriculum, Levels 1 to 8*.

Prerequisites

Year 13 entry, plus 15 credits in German NCEA Level 2.

Course Content

Students will be required to listen to, to read and to comment in German upon a wide variety of material, drawn from set courses, newspapers, magazines, literary texts, radio broadcasts or songs. This material will focus on functional language that will enable students to communicate in German with native speakers in New Zealand or in a German-speaking country. The vocabulary and grammatical structures required will be provided to students throughout the year. A small amount of material will range beyond that explicitly detailed. This will aim to encourage the development of the skills of sensible guessing of meaning from context and selecting key information.

Assessment

The following standards will be offered and assessed:

Registered Number	Standard Title	Credits	Assessment Mode
90564 v2 (3.1)	Listen to and understand complex spoken German in less familiar contexts	6	External
90565 v2 (3.2)	Give a prepared speech in German using complex language	3	Internal
90566 v2 (3.3)	Converse in German using complex language in less familiar contexts	3	Internal
90567 v2 (3.4)	Read and understand written German, containing complex language, in less familiar contexts	6	External
90568 v2 (3.5)	Write text in German, using complex language on a less familiar topic	3	External
90569 v2 (3.6)	Write crafted text in German, using complex language, with the support of resources	3	Internal

Qualifications: Credits towards NCEA Level 3 and Scholarship German.



What Will I Study?

The Year 11 course in Graphics is structured around two contexts:

- **Spatial Design**; such as architecture, interior, and landscape conceptual design
- **Product Design**; such as fashion, packaging, media products, technological and engineering conceptual design.

What Will I Learn?

Students will further their understanding of freehand sketching, rendering, presentation, layout techniques, technical drawing skills, the design process, how to analysis current designs, and be aware of sustainable design issues. Students will utilise to use of computer programmes during their assignments work. They include Indesign, Photoshop, Google sketch up, Archicad 12 and Pro-desktop.

Prerequisites

Satisfactory completion of the Year 11 Graphics course for NCEA Level 1, with a minimum of 14 credits gained.

Where Does the Subject Lead?

Graphics is a level 3 course in Year 13. The Year 12 course will provide an excellent foundation for any student who is looking to pursue a degree courses with a design focus to visual communication courses.

Assessment

The following standards will be offered and assessed:

Registered Number	Standard Title	Credits	Assessment Mode
90318 v2 (2.1)	Produce two-dimensional and three dimensional annotated freehand sketches to show design ideas	3	External
90319 v2 (2.2)	Produce two-dimensional instrumental drawings	3	External
90320 v2 (2.3)	Produce three-dimensional instrumental drawings	3	External
90321 v2 (2.4)	Describe and explain design and its implications for society	3	External
90322 v2 (2.5)	Produce mock-ups and models to explore design ideas	3	Internal
90323 v2 (2.6)	Design and present a solution for an architecture or environmental brief	3	Internal
90324 v2 (2.7)	Design and present a solution to an engineering or technological brief.	3	Internal
90325 v2 (2.8)	Design and present a solution for a media or technical illustration	3	Internal

Qualification: Credits towards NCEA Level 2.



What Will I Study?

The Year 13 course in Graphics is structured around two contexts:

- **Spatial Design**; such as architecture, interior, and landscape conceptual design
- **Product Design**; such as fashion, packaging, media products, technological and engineering conceptual design.

What Will I Learn?

Negotiating with clients. Students will further their understanding of freehand sketching, rendering, presentation, layout techniques, technical drawing skills, the design process, how to analyse current designs, and be aware of sustainable design issues. Students will utilise to use of computer programmes during their assignments work. They include Indesign, Photoshop, Google sketch up, Archicad 12 and Pro-desktop.

Prerequisites

Satisfactory completion of the Year 12 Graphics course for NCEA Level 2, with a minimum of 14 credits gained.

Where Does the Subject Lead?

Many courses are offered by both universities and polytechnics ranging from five-year degrees to one-year diplomas. Web design and animation is a rapidly expanding field as is the visual communication across the advertising sector.

Assessment

The following standards will be offered and assessed:

Registered Number	Standard Title	Credits	Assessment Mode
90734 v2 (3.1)	Negotiate a brief and a solution by applying a design process.	5	External
90736 v2 (3.3)	Develop and communicate a solution to an architecture or environmental brief	5	Internal
90737 v2 (3.4)	Develop and communicate a solution to an engineering or technological design brief	5	Internal
90738 v2 (3.5)	Develop and communicate a solution to a media or technical illustration design brief.	5	Internal

Qualifications: Credits towards NCEA Level 3 and Scholarship Graphics.



The Course

This course focuses on some of the major ideas, movements and events that have shaped world and New Zealand history in the last 200 years.

To be accepted automatically into this course, students will need to have gained 20 credits in NCEA Level 1 in History, English or Māori. Other students might be accepted into this course at the discretion of the Head of Department.

Course Content

Assessment Topics

- The Origins of the First World War 1890-1914
- The Weimar Republic and Nazi Germany 1919-1945
- The Cold War 1945 – 1991

Research Topic

- There will be research on an aspect of the Holocaust.

Field Trip

- The New Zealand Wars field trip to the Waikato has been moved to Level 3 in 2011.

Note: The research about the New Zealand Wars will be based on a field trip to the Waikato. This will involve a bus trip and two nights away.

How Is The Course Assessed?

Year 12 History has five achievement standards. Each standard is worth four credits towards your NCEA Level 2. Three standards are assessed internally through major research, communication and perspective assignments. The other two standards are assessed through an end-of-year external examination administered by NZQA.

Details of the standards offered and assessed are as follows:

Registered Number	Standard Title	Credits	Assessment Mode
90465 v2 (2.1)	Plan and carry out an historical inquiry	4	Internal
90466 v2 (2.2)	Communicate historical ideas to demonstrate understanding of an historical context	4	Internal
90467 v2 (2.3)	Examine evidence in historical sources	4	External
90468 v2 (2.4)	Examine perspectives and responses of, and demonstrate empathy for, people in an historical setting	4	Internal
90469 v2 (2.5)	Examine how a force or movement in an historical setting influenced people's lives, in an essay	4	External

Qualification: Credits towards NCEA Level 2.



The Course

This course has a major focus on the history of nineteenth century New Zealand. The internally assessed component allows you to research an area outside of New Zealand history that you are interested in. To be accepted automatically into this course, students will need to have gained at least 16 credits in NCEA Level 2 History, Classical Studies, English or Māori. Other students might be accepted into this course at the discretion of the Head of Department.

Course Content

Research Topic

- An historical area or issue of your choice

Assessment Topic

- A broad survey of New Zealand history in the nineteenth century

Other Details

There may be some short field trips to historical sites and exhibitions in the Wellington region. You may also have an opportunity to attend the History Schools' Day at Te Papa.

How Is The Course Assessed?

Year 13 History has five achievement standards. Two standards are assessed internally through major research and communication assignments. The other three standards are assessed through an end-of-year external examination. Additionally, students may choose to enter Scholarship History that is assessed by an external examination at the end-of-the year.

Details of the standards offered and assessed are as follows:

Registered Number	Standard Title	Credits	Assessment Mode
90654 v2 (3.1)	Plan and carry out independent historical research	4	Internal
90655 v2 (3.2)	Communicate and present historical ideas clearly to show understanding of an historical context	5	Internal
90656 v2 (3.3)	Analyse and evaluate evidence in historical sources	5	External
90657 v2 (3.4)	Examine a significant decision made by people in history, in an essay	5	External
90658 v3 (3.5)	Examine a significant historical situation in the context of change, in an essay	5	External

Qualifications: Credits towards NCEA Level 3 and Scholarship History.



Course Content

Students will be required to extract information from spoken Japanese from a variety of sources and be able to take part effectively in Japanese conversations in everyday situations. They will also be required to read and write some basic kanji, understand written material in Japanese script and convey straightforward information in written Japanese. The material used will relate to topics selected from the NCEA Level 2 achievement standards.

The Year 12 programme aims to extend and develop further, each student's ability to communicate in Japanese. The emphasis will be on the communicative use of language so that students can gain confidence in their ability to comprehend and use appropriate Japanese within a variety of everyday situations. The course aims to deepen students' awareness of Japanese culture and its value system and to increase their understanding of the way of life of Japanese people.

Prerequisites

Year 12 entry, plus 15 credits in Japanese NCEA Level 1.

Assessment

The following standards will be offered and assessed:

Registered Number	Standard Title	Credits	Assessment Mode
90570 v2 (2.1)	Listen to and understand spoken language in Japanese in less familiar contexts	6	External
90571 v2 (2.2)	Give a prepared spoken presentation in Japanese on a less familiar topic	3	Internal
90572 v2 (2.3)	Converse in Japanese in a less familiar context	3	Internal
90487 v2 (2.4)	Read and understand written language in Japanese in less familiar contexts	3	External
90488 v2 (2.5)	Write text in Japanese on a less familiar topic	3	External
90489 v2 (2.6)	Produce crafted writing in Japanese on a less familiar topic, with the support of resources.	3	Internal

Qualification: Credits towards NCEA Level 2.



The NCEA Level 3 course assesses students' listening, speaking, reading and writing skills, together with their understanding of Japanese culture. The vocabulary and grammatical structures required are defined in the *National Japanese Curriculum, Levels 1 to 8*.

Prerequisites

Year 13 entry, plus 15 credits in Japanese NCEA Level 2.

Course Content

Students will be required to listen to, to read and to comment in Japanese upon a wide variety of material, drawn from set courses, newspapers, magazines and radio or television broadcasts. This material will focus on functional language which will enable students to communicate in Japanese with native speakers in New Zealand or in Japan. The vocabulary and grammatical structures required will be provided to students throughout the year.

Assessment

The following standards will be offered and assessed:

Registered Number	Standard Title	Credits	Assessment Mode
90570 v2 (3.1)	Listen to and understand complex spoken Japanese in less familiar contexts	6	External
90571 v2 (3.2)	Give a prepared speech in Japanese using complex language	3	Internal
90572 v2 (3.3)	Converse in Japanese using complex language in less familiar contexts	3	Internal
90573 v2 (3.4)	Read and understand written Japanese, containing complex language, in less familiar contexts	3	External
90574 v2 (3.5)	Write text in Japanese using complex language on a less familiar topic	3	External
90575 v2 (3.6)	Write crafted text in Japanese, using complex language, with the support of resources	3	Internal

Qualifications: Credits towards NCEA Level 3 and Scholarship Japanese.



The focus of the course is on the reading of Latin literature in its historical and social context, supported by a programme of language acquisition.

The aim is to acquire:

- linguistic skills
- an appreciation of literature
- an understanding of the attitudes of the Roman people
- an overview of the history of Rome
- an awareness of the European origins of our culture.

Prerequisites

Year 12 entry, plus 15 credits in Latin NCEA Level 1.

Course Content and Assessment

The following standards will be offered and assessed:

Registered Number	Standard Title	Credits	Assessment Mode
90259 v2 (2.1)	Translate unfamiliar narrative Latin prose into English	6	External
90260 v2 (2.2)	Read and comprehend unfamiliar narrative Latin prose	4	External
90261 v2 (2.3)	Translate and understand a familiar literary Latin passage from Virgil	4	External
90262 v3 (2.4)	Demonstrate knowledge of familiar literary Latin passages on a given theme by at least two authors	4	Internal
90263 v2 (2.5)	Examine familiar literary Latin passages within the wider context	6	Internal

Note: Multi-level courses at level 2 and level 3 will be offered where appropriate.

Qualification: Credits towards NCEA Level 2 and Level 3.



The focus of the course is on the reading of Latin literature in its historical and social context, supported by a programme of language acquisition.

Prerequisites

Year 13 entry, plus 15 credits in Latin NCEA Level 2.

Course Content and Assessment

The following standards will be offered and assessed:

Registered Number	Standard Title	Credits	Assessment Mode
90506 v2 (3.1)	Translate unfamiliar Latin prose into English	4	External
90507 v2 (3.2)	Translate unfamiliar Latin poetry into English	4	External
90508 v2 (3.3)	Translate and analyse familiar literary Latin passage(s) from Virgil	6	External
90509 v2 (3.4)	Analyse familiar literary Latin passages on a given theme by at least two authors	6	Internal
90510 v2 (3.5)	Relate familiar literary Latin passages to a wider context	4	Internal

NZ Scholarship

Scholarship Latin will also be offered in 2010. It is externally assessed by a 3-hour examination. Candidates must translate and comment on unseen Latin prose and Virgilian verse.

Qualifications: Credits towards NCEA Level 3 and Scholarship Latin.



Introduction

The Year 12 Te Reo Māori course is designed to develop linguistic and cultural skills in Te Reo Māori me ōna tikanga and also prepare students for NCEA Level 2.

Prerequisites

- Students who wish to study Year 12 Te Reo Māori must have attained a minimum of 18 credits, including one external standard in NCEA Level 1 Te Reo Māori. Attainment of the writing achievement standard 90134 (1.4), Tuhituhi i te reo o tona ao is preferable.
- Students who are able to demonstrate ability in Te Reo Māori equivalent at the Year 12 level may be granted entry into the course.
- Entry into the Year 12 course is at the discretion of the HOD Māori.

Course Content

The course is based on the national curriculum, with an emphasis on communicative language. Topics of study will include a range of traditional and modern themes.

Assessment

The following standards will be offered and assessed:

Registered Number	Standard Title	Credits	Assessment Mode
90440 v2 (2.2)	Kōrero i te reo o tōna ao mōhio	6	Internal
90441 v2 (2.3)	Pānui i te reo o tōna ao mōhio	6	External
90449 v2 (2.1)	Whakarongo i te reo o tōna ao mōhio	4	Internal
90757 v1 (2.5)	Hanga tuhinga i te reo o tōna ao mōhio	4	Internal
90770 v2 (2.4)	Tuhituhi i te reo o tōna ao mōhio	4	External

Qualification: Credits towards NCEA Level 2.



Introduction

The Year 13 Te Reo Māori course gives students the opportunity to use their Te Reo Māori skills to explore complex traditional and contemporary Māori issues and to prepare students for NCEA Level 3 and NZ Scholarship. The course assesses students in listening, speaking, reading and writing skills in Māori.

Entry Requirements

- Students who wish to study Year 13 Te Reo Māori must have attained a minimum of 18 credits, including one external standard in NCEA Level 2 Te Reo Māori. Attainment of the writing achievement standard 90770 (2.4), Tuhituhi i te reo o tōna ao mōhio, is preferable.
- Students who are able to demonstrate ability in Te Reo Māori equivalent to the Year 12 level may be granted entry into the course.
- Entry into the Year 12 course is at the discretion of the HOD Māori.

Course Content

The course content reflects Māori ways of living in both modern and traditional contexts. Specific course work includes essay writing, reading and listening comprehension, history and culture. Candidates are expected to undertake research to complete course requirements. Spoken Māori is an integral part of the programme.

Themes will include:

- Te Ao Hurihuri
- Mōteatea
- Te Tiriti o Waitangi

Assessment

The following standards will be offered and assessed:

Registered Number	Standard Title	Credits	Assessment Mode
90542 v2 (3.1)	Whakarongo i te reo o te ao whānui	4	Internal
90543 v2 (3.2)	Kōrero i te reo o te ao whānui	6	Internal
90781 v1 (3.3)	Pānui kia whai māramatanga i te reo o te ao whānui	3	External
90782 v1 (3.4)	Whakaoti tuhinga ōkawa i te reo o te ao whānui	4	External
90783 v1 (3.5)	Hanga tuhinga auaha i te reo o te ao whānui	4	Internal
90784 v1 (3.6)	Pānui kia wetewete i te reo o te ao whānui	3	External

Qualifications: Credits towards NCEA Level 3 and Scholarship Māori.



Prerequisite

Students require 15 credits in Mathematics level 1, including Merit in 90147 (1.1) Algebra, and Achievement in 90148 (1.2) Graphs, 90151 (1.7) Number, and 90152 (1.8) Trigonometry. Students who have 15 credits but have not achieved the prerequisite achievement standards are advised to study Year 12 Mathematics for Statistics. Students who obtain less than 15 credits should consider the Mathematics Applied II programme. The HOD Mathematics will advise students which course is appropriate based on 2009 results.

Course Content and Assessment

The course emphasises mathematical processes and problem solving strategies. Achievement standards 90289 (2.6) and 90291 (2.8) are assessed internally during the year, as is 90288 (2.5) which is optional. The remaining six standards are assessed by an end-of-year external examination. Details of the standards offered and assessed are as follows:

Registered Number	Standard Title	Credits	Assessment Mode
90284 v2 (2.1)	Manipulate algebraic expressions and solve equations	4	External
90285 v2 (2.2)	Draw straightforward non-linear graphs	3	External
90286 v3 (2.3)	Find and use straightforward derivatives and integrals	4	External
90287 v2 (2.4)	Use coordinate geometry methods	2	External
90289 v2 (2.6)	Simulate probability situations and apply the normal distribution	2	Internal
90290 v2 (2.7)	Solve straightforward problems involving arithmetic and geometric sequences	2	External
90291 v2 (2.8)	Solve trigonometry problems requiring modelling of practical situations	2	Internal
90292 v2 (2.9)	Solve straightforward trigonometric equations	2	External

The following is offered (optional), with instruction and assessment being outside of class time.

90288 v2 (2.5)	Select a sample and use this to make an inference about the population	3	Internal
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Where Does the Course Lead?

Mathematics at Year 13 divides into 2 courses:

- Calculus
- Statistics

Students may do **either** or **both** of these courses. The prerequisite for the Statistics course is a good overall level of achievement at level 2, while the prerequisite for the Calculus course is Achievement in 90284 (2.1) Algebra, 90285 (2.2) Graphs, and 90286 (2.3) Calculus and one of Trigonometry 90291 (2.8) or 90292 (2.9).

Qualification: Credits towards NCEA Level 2.



This course is designed specifically for students who wish to progress to Year 13 Mathematics, but who may have difficulty with the complexities of the full Year 12 Mathematics programme.

Prerequisite

Students require 15 credits in Mathematics at level 1.

Course Content

The course is assessed against level 2 unit standards.

The reduced content allows students more time developing their skills to the level required for progression to the level 3 Statistics course.

Topics covered during the year include:

- Algebra
- Coordinate geometry
- Probability and Normal Distribution
- Sequences
- Statistics
- Calculus
- Graphs

Assessment

Each topic covered, is assessed against specific unit standards by a formal end-of-topic test.

Where Does This Course Lead?

Students who perform well in this course will be able to enter the Year 13 Statistics course in the following year. Other students can progress to the full NCEA Level 2 course.

Other Details

A Casio *fx-9750GA Plus* graphics calculator is compulsory for this course.

Note: This course does not allow entry to Year 13 Calculus.

Qualification: Credits towards NCEA Level 2 (and Level 1 if needed).



This course is designed for students who wish to continue with Mathematics beyond NCEA Level 1, but do not require the theoretical rigour of the full level 2 course.

Course Content

In this course, students will investigate the everyday use of Mathematics, emphasising the practical applications of the Mathematics. Students learn new skills, while re-enforcing their numeric and algebraic manipulation skills. Topics covered during the year include:

Money and interest rates	Navigation
Statistics	Surveying
Algebra	Coordinate Geometry
Sequences	Probability

Assessment

The work completed in the course will be assessed against level 2 unit standards.

Where Does This Course Lead?

After completing this course, students may be able to attempt a full Year 12 course. The course is not intended to lead to Year 13 Mathematics.

Other Details

A Casio *fx-9750GA Plus* graphics calculator is compulsory for this course.

Qualification: Credits towards NCEA Level 2 (and Level 1 if needed).



This course is limited to students that have performed at the highest level in NCEA Level 1 Mathematics. It is designed to extend students beyond NCEA Level 2, to prepare them for the NZ Scholarship examinations both in Statistics and Modelling, and Calculus in Year 13.

Course Content

The course follows the prescription for the International Cambridge Examinations and has two elements:

- **Pure Mathematics 1**

Topics include: Algebra, Coordinate Geometry, Graphs, Trigonometry, Calculus and Vectors.

- **Statistics 1**

Topics include: Data analysis, Probability, Permutations and Combinations and Probability Distributions.

Students will also enter for:

NCEA Level 2 Mathematics

As the Cambridge Syllabus covers the majority of the NCEA Level 2 Mathematics course, students will also sit the final NCEA Level 2 external assessments after their Cambridge AS examinations. By studying the Cambridge Syllabus, students should perform higher in the NCEA examination.

Assessment

Assessment is by two external examinations held early in Term 4, followed by the NCEA external examinations towards the end of Term 4.

Where does this course lead?

Year 11 students who perform well in this course will have the opportunity to enter into the full Cambridge A-Level Mathematics course. Year 12 students who perform well, may study either or both Statistics and Calculus.

Qualification: Cambridge Advanced Subsidiary Level Mathematics (AS) and credits towards NCEA Level 2 Mathematics.

Cambridge Mathematics A-Level**Year 12**

This course is limited to students that have performed at the highest level in Cambridge AS Mathematics. The course is designed to extend students beyond the NCEA course, and prepare them for the NZ Scholarship examinations both in Statistics and Modelling, and Calculus in Year 13.

Course Content

The course follows the prescription for the International Cambridge Examinations and has two elements:

- **Pure Mathematics 2 and 3**

Topics include: Algebra, Functions, Trigonometry, Calculus, Vectors and Complex Numbers.

- **Statistics 2**

Topics include: Sampling Methods, Random Variables, Confidence Intervals, Hypothesis Testing and Probability Distributions.

Assessment

Assessment is by two external examinations held early in Term 4.

Where does this course lead?

Students who complete this course will have direct entry into the classes for NZ Scholarship Statistics and Modelling, and Calculus in Year 13.

Qualification: Cambridge A-Level Mathematics.



This course is designed for students interested in applying mathematics to practical problems or planning careers in the Social Sciences or Commerce.

Note: Students may take both Statistics and Modelling as well as Calculus.

Prerequisite

15 credits in Mathematics at level 2, including Achievement in 90284 (2.1) Algebra and 90285 (2.2) Graphs. Achievement in 90288 (2.5) Statistics or 90289 (2.6) Probability is desirable.

Course Content and Assessment

Three standards are assessed by separate internal assessments and four standards are assessed by an end-of-year external examination. There will also be opportunity for able students to sit Scholarship. Details of the standards offered and assessed are as follows:

Registered Number	Standard Title	Credits	Assessment Mode
90641 v2 (3.1)	Determine the trend for time series data	3	Internal
90642 v2 (3.2)	Calculate confidence intervals for population parameters	3	External
90643 v2 (3.3)	Solve straightforward problems involving probability	4	External
90644 v2 (3.4)	Solve equations	4	External
90645 v2 (3.5)	Select and analyse continuous bi-variate data	3	Internal
90646 v2 (3.6)	Use probability distribution models to solve straightforward problems	4	External
90647 v3 (3.7)	Use a mathematical model involving curve fitting to solve a problem	3	Internal

Note: Graphical Calculators are compulsory for this course.

Qualifications: Credits towards NCEA Level 3 and Scholarship Statistics and Modelling.



This course is designed for students interested in pursuing Mathematics to a higher level or interested in studying an Applied Science, Engineering, Computer Science or Technology at university. The course is also useful for students interested in careers in Commerce, or in any field where analysis is important.

Note: Students may take both Calculus and Statistics.

Prerequisite

15 credits at level 2, with Achievement in 90284 (2.1) Algebra, 90285 (2.2) Graphs and 90286 (2.3) Calculus. Also, Achievement in 90291 (2.8) or 90292 (2.9) Trigonometry.

Course Content and Assessment

One achievement standard is internally assessed and four standards will be assessed by an end-of-year external examination. Able students have the opportunity to sit for Scholarship. Details of the standards offered and assessed are as follows:

Registered Number	Standard Title	Credits	Assessment Mode
90635 v2 (3.1)	Differentiate functions and use derivatives to solve problems	6	External
90636 v2 (3.2)	Integrate functions and use integrals to solve problems	6	External
90637 v2 (3.3)	Solve problems and equations involving trigonometric functions	4	Internal
90638 v2 (3.4)	Manipulate real and complex numbers, and solve equations	5	External
90639 v3 (3.5)	Sketch graphs of conic sections and write equations related to conic sections	3	External

Qualifications: Credits towards NCEA Level 3 and Scholarship Mathematics with Calculus.



Aim

This course is designed for students who have an interest in the visual language of film and television. It includes both the study of film (history and analysis) and practical experience in producing short films. Students need to have enthusiasm for both the theory and practical applications within the media, the ability to devise ideas about narrative film and to be able to work independently.

Prerequisite

15 credits in NCEA Level 1 English.

Course Content

Film history and analysis: Study a specific film genre through the close analysis of a number of feature films. Examine the representation of teenagers in film.

Film production: The production of a narrative film from concept to completion including writing, filming and editing.

Assessment

The following standards will be offered and assessed:

Registered Number	Standard Title	Credits	Assessment Mode
90277 v2 (2.2)	Close read unfamiliar media text	3	Internal
90278 v2 (2.3)	Demonstrate understanding of messages and/or values and representations within media texts	3	External
90279 v2 (2.4)	Demonstrate understanding of a media genre	3	External
90280 v2 (2.5)	Demonstrate understanding of narrative conventions in media texts	3	Internal
90765 v1 (2.6)	Design and produce a media product and evaluate the process used to create the product	6	Internal
90282 v2 (2.7)	Use technology in media production	3	Internal

Qualification: Credits towards NCEA Level 2.



Aim

This is a Level 3 NCEA Media Studies course. It offers students the opportunity to study a number of aspects of film theory, industry and production.

Prerequisite

15 credits in Media Studies at level 2. Provisional entry may be gained through individual consultation with the HOD Media Studies.

Course Content

A full course outline is handed out to students at the beginning of the year.

Assessment

The following standards will be offered and assessed:

Registered Number	Standard Title	Credits	Assessment Mode
90599 v2 (3.1)	Demonstrate understanding of a specific media industry	4	External
90600 v2 (3.2)	Explain how meaning is created in media texts	4	Internal
90602 v2 (3.4)	Explain the relationship between a media genre and society	4	External
90779 v1 (3.3)	Investigate an aspect of media and explain its significance for New Zealand	4	Internal
90604 v2 (3.6)	Complete and justify a concept and treatment for a media product	2	Internal
90606 v2 (3.8)	Create a media product using appropriate technology	6	Internal

Qualifications: Credits towards NCEA Level 3 and Scholarship Media Studies.



The purpose of this course is to build on the skills learned for NCEA Level 1 through the four strands: learning the language of music, developing ideas in music, communicating and interpreting meaning in music and understanding music in context. This course will provide students with a thorough grounding to continue music at level 3.

Prerequisites

All students are required to have regular tuition (either privately or at school) on an instrument, and be a member of at least one school-based music group.

School policy states that to continue a subject at Year 12, a student requires 15 credits in the subject at level 1. Due to the nature of Music and the standard of composition and performance in Year 12, students must have achieved all of the achievement standards at level 1. Where special circumstances exist, a student may be admitted to Year 12 Music at the discretion of the Head of Department – this decision will be subject to an audition and theoretical assessment.

Course Content

The course content, based on the level 2 achievement standards involves:

- presenting contrasting performances as a featured soloist (students pieces in 2 performances)
- presenting a music performance as a member of a group (students present one performance)
- composing a selection of music pieces (students submit 2 compositions)
- creating an instrumentation
- demonstrating aural skills through description and transcription of music
- demonstrating an understanding of the material and processes of a range of music
- demonstrating knowledge and understanding of music works (students study a minimum of 4 pieces that include a variety of assessment tasks)

Assessment

The following standards will be offered, with the credits available and assessment mode indicated:

Registered Number	Standard Title	Credits	Assessment Mode
90264 v2 (2.1)	Present contrasting performances as a featured soloist	5	Internal
90266 v2 (2.3)	Compose effective pieces of music	5	Internal
90267 v2 2.4)	Create an instrumentation	2	Internal
90268 v2 (2.5)	Identify, describe and transcribe elements of music through listening to a range of music	3	External
90269 v2 (2.6)	Demonstrate an understanding of the materials and processes of music in a range of scores	2	External
90270 v2 (2.7)	Demonstrate knowledge and understanding of music works	5	Internal
90265 v2 (2.2) (optional)	Present a music performance as a member of a group	2	Internal

Qualification: Credits towards NCEA Level 2.



The four strands of Music literacy are integral to Level 3 Music. The course at this level is two-tiered, comprising a selection of any of the Making Music standards or the Music Studies standards.

Prerequisites

Students should be having regular tuition (either privately or at school) on an instrument, and be a member of at least one school-based group. School policy states that to continue a subject at Year 12, a student requires 15 credits in the subject at level 1. However, in order for a student to feasibly do Music at level 3, they must have achieved at least all the level 2 achievement standards. Where special circumstances exist, a student may be admitted to Year 13 Music at the discretion of the Head of Department.

Course Content and Assessment

Students may select their own programme of at least 24 credits from the standards that are offered. Also, students at level 3 have the option (depending on numbers) of being in a practically-focussed class, or in a course based on academic study. However, students can still select their own programme in both of these classes. Note that 90498 *Compare and contrast music works* is compulsory for the Music Studies course. The credit values and the mode of assessment for each standard are identified as follows:

1. Making Music (Practical)

Students need to select standards from ‘Making Music’ listed immediately below, plus 90497 (compulsory) from ‘Music Studies’. Students may also select 90499 or 90527 from ‘Music Studies’.

Registered Number	Standard Title	Credits	Assessment Mode
90526 v2 (3.1)	Present a performance of a programme of music as a member of a group	4	Internal
90775 v1 (3.6)	Present a portfolio of musical composition	8	Internal
90776 v1 (3.7)	Prepare and present performances of music as a featured soloist	8	Internal
90777 v1 (3.8)	Demonstrate aural skill across a range of musical styles and genres	4	External

2. Music Studies

Students are to select from all the standards offered below, but 90498 is compulsory.

Registered Number	Standard Title	Credits	Assessment Mode
90497 v2 (3.2)	Examine the contexts that influence the expressive qualities of music	3	Internal
90498 v2 (3.3)	Compare and contrast music works	8	External
90499 v2 (3.4)	Research and present a music topic	6	Internal
90527 v2 (3.6)	Arrange Music	4	Internal
90530 v2 (3.5)	Demonstrate an understanding of harmonic and tonal procedures in a range of music	3	External

The requirements for Scholarship Music should be discussed with the HOD Music.

Qualifications: Credits towards NCEA Level 3 and Scholarship Music.



Prerequisites

Entry into this course is at the discretion of the HOD Physical Education. However, a desire to continue the subject (while not compulsory) is seen as desirable, as one course supports the next in a number of key areas.

Course Outline

There is a mix of practical and written learning over the course of the year. Standard 90436 (2.5) is entirely practical, with students being able to complete both Golf and Athletics, choosing the best result from either, to use for assessment purposes. The Outdoor Education/Risk Management standard (90439) involves an overnight tramping expedition.

Practical Activities

A two-day outdoor tramp in March, a skill learning course, plus Golf and Athletics practicals. There are costs involved in the practical activities, amounting to approximately \$90 for the year.

Employment Opportunities

This course offers practical and theoretical aspects of Physical Education. It is an excellent course for those intending to enter the School of Physical Education, teaching, coaching, recreation, service organisations such as YMCA, exercise consultancy in corporate fitness programmes, fitness centres and rehabilitation centres or for students who have an interest in understanding important factors in developing their own abilities.

Assessment

All assessments in this year's course are internally assessed against 6 achievement standards, with 18 credits possible. The standards with their credit values are as follows:

Registered Number	Standard Title	Credits	Assessment Mode
90433 v2 (2.2)	Describe how functional anatomy and biomechanical principles relate to performing physical activity	4	Internal
90434 v2 (2.3)	Examine the principles and methods of training in relation to participation in physical activity	3	Internal
90435 v2 (2.4)	Examine skill-learning principles and psychological skills in relation to physical activity	2	Internal
90436 v3 (2.5)	Perform a physical activity to meet the Physical Education Performance Standards for Level 2	4	Internal
90437 v2 (2.6)	Investigate the sociological significance of a sporting event physical activity or festival (Super 14)	3	Internal
90439 v2 (2.8)	Demonstrate knowledge of safety issues and apply safety management procedures in a physical activity (2-day tramp)	2	Internal

Qualification: Credits towards NCEA Level 2.



This course offers both theoretical and practical aspects of Physical Education. It focuses on the application of Physical Education theory and aims to develop critical thought through the exploration of issues that influence ourselves, our community, and society as a whole. It is an excellent starting point for those intending to enter tertiary education in the areas of Physical Education, Medicine, Physiotherapy, Teaching, Coaching, Recreation, and Exercise Consultancy/Prescription or for students who have an interest in understanding more about themselves.

The Level 3 Physical Education course will challenge students both mentally and physically. There is a significant written component that requires students to apply critical thought in a variety of contexts. In addition, students will be expected to push themselves physically in preparation for the practical achievement standard. Level 3 Physical Education is a challenging and rewarding course that leaves students with a heightened sense of well-being and a greater appreciation of their place in society.

Prerequisites

There are no prerequisites. Entry into this course is at the discretion of the HOD.

Course Outline

In this course students will:

- develop and participate in a personal exercise programme and review the effectiveness of the process
- participate in a Duathlon
- use computer analysis tools to develop a performance improvement programme
- apply biomechanical principles and motor learning theory to practical situations
- examine a trend or an event that is impacting on their community
- plan a beginner level coaching session for sports participants and evaluate the effectiveness of the session.

Assessment

The following standards are offered and assessed with 18 credits possible:

Registered Number	Standard Title	Credits	Assessment Mode
90739 v2 (3.1)	Apply knowledge to plan a physical activity programme or experience	3	Internal
90740 v3 (3.2)	Explain, with evidence, the effectiveness of a physical activity programme and its influence on hauora/well-being	3	Internal
90741 v2 (3.3)	Appraise performance and review a programme for performance improvement for self or others	5	Internal
90742 v2 (3.4)	Perform a physical activity to nationally developed performance standards	4	Internal
90743 v2 (3.5)	Examine a current physical activity event, trend or issue impacting on New Zealand society	3	Internal

Qualifications: Credits towards NCEA Level 3 and Scholarship Physical Education.



Physics is the science that seeks to answer the questions **how** and **why**. For example, **how** does a tennis ball move when moving freely through the air, and **why** does it move that way?

It is the most fundamental of the sciences, encompassing everything from the behaviour of sub-nuclear particles to the properties of stars and galaxies. Mostly, however, physics deals with everyday objects and phenomena.

Physics has a large number of applications. Some examples are:

Fitting and turning	Aviation (Pilot/flight engineer)
Industrial and mechanical engineering	Electronics
Medicine (Doctor/physiotherapy)	Building Inspection
Radiography	Sports (yachting/golf....)

Prerequisites

Achievement of Science standard 90186 (1.6) or any two of the level 1 Physics achievement standards. Other students may be accepted at the discretion of the Head of Department.

Cost

The Course book is “Year 12 Physics NCEA Level 2 Course Manual.” This is a write-on notes book. There is also a Lab Manual that is a Wellington College course book. The cost for both is approximately \$30 which you will buy from the stationery room at the beginning of the year.

Assessment

The following standards will be offered and assessed:

Registered Number	Standard Title	Credits	Assessment Mode
90312 v2 (2.1)	Carry out a practical scientific investigation with supervision	4	Internal
6386 v4	Use graphical analysis to determine simple non-linear physical relationships	3	Internal
90254 v2 (2.3)	Demonstrate understanding of waves	4	External
90255 v2 (2.4)	Demonstrate understanding of mechanics	6	External
90256 v2 (2.5)	Demonstrate understanding of atoms and radioactivity	2	External
90257 v2 (2.6)	Demonstrate understanding of electricity and electromagnetism	5	External
90258 v2 (2.7)	Demonstrate understanding of physics in an integrated context	3	Internal

Qualification: Credits towards NCEA Level 2.



The study of Physics spans the limits of our universe - from the subatomic to the size of galaxies and develops skills and knowledge that are important in today's technological world.

Physics, the most fundamental of the sciences, offers potential careers in, among others:

- Industrial, mechanical and electrical engineering
- Radiography
- Seismology
- Medicine
- Aviation
- Sports Science

Prerequisites

An achievement grade in the NCEA L2 Physics standards - 90254 (2.3), 90255 (2.4), 90256 (2.5), 90257 (2.6) and 90258 (2.7). However, if a student still wishes to study Physics at this level, then this will be at the discretion of the HOD Physics and will be based on a student's performance in 2008.

Cost

The Course book is "Year 13 Physics Course Manual." This is a write-on notes book. There is also a Lab Manual that is a Wellington College course book. The cost for both is approximately \$30 which you will buy from the stationery room at the beginning of the year.

Assessment

The following standards will be offered and assessed:

Registered Number	Standard Title	Credits	Assessment Mode
90774 v1 (3.1)	Carry out a practical physics investigation with guidance, that leads to a mathematical relationship	5	Internal
90520 v3 (3.3)	Demonstrate understanding of wave systems	4	External
90521 v3 (3.4)	Demonstrate understanding of mechanical systems	6	External
90522 v3 (3.5)	Demonstrate understanding of atoms, photons and nuclei	3	External
90523 v2 (3.6)	Demonstrate understanding of electrical systems	6	External

NZ Scholarship

This is based on the same programme as level 3. The students will enter all level 3 standards as well as Scholarship Physics. Students will be selected for a single Scholarship class at the discretion of the HOD Physics.

Qualifications: Credits towards NCEA Level 3 and Scholarship Physics.



The main linguistic objective of this multi-level course will be to build on the skills of listening, speaking, reading and writing developed for NCEA Level 1. The emphasis will be on the communicative use of language so that students gain confidence in their ability to comprehend and use everyday Spanish. However, attention will also be given to providing skills which will enable another language to be learned at a later date. The study of Hispanic culture, both in Spain and in South/Central America will continue to be an important feature of the curriculum.

Prerequisites

Year 12 entry, plus 15 credits in Spanish NCEA Level 1.

Course Content

Students will be required to listen to, to read and to comment in Spanish upon a variety of material, drawn from set courses, newspapers, magazines, literary texts, radio broadcasts or songs. This material will focus on functional language which will enable students to communicate in simple Spanish with native speakers in New Zealand or in a Spanish speaking country.

Assessment

The following standards will be offered and assessed:

Registered Number	Standard Title	Credits	Assessment Mode
90426 v2 (2.1)	Listen to and understand spoken language in Spanish in less familiar contexts	6	External
90427 v2 (2.2)	Give a prepared spoken presentation in Spanish on a less familiar topic	3	Internal
90428 v2 (2.3)	Converse in Spanish in a less familiar context	3	Internal
90429 v2 (2.4)	Read and understand written language in Spanish in less familiar contexts	6	External
90430 v2 (2.5)	Write text in Spanish on a less familiar topic	3	External
90431 v2 (2.6)	Produce crafted writing in Spanish on a less familiar topic, with the support of resources	3	Internal

Qualification: Credits towards NCEA Level 2.



The main linguistic objective of this multi-level course will be to build on the skills of listening, speaking, reading and writing developed for NCEA Level 2. The emphasis will be on the communicative use of language so that students gain confidence in their ability to comprehend and use everyday Spanish. However, attention will also be given to providing skills which will enable another language to be learned at a later date. The study of Hispanic culture, both in Spain and in South/Central America will continue to be an important feature of the curriculum.

Prerequisites

Year 12 entry, plus 15 credits in Spanish NCEA Level 2.

Course Content

Students will be required to listen to, to read and to comment in Spanish upon a variety of material, drawn from set courses, newspapers, magazines, literary texts, radio broadcasts or songs. This material will focus on functional language which will enable students to communicate in simple Spanish with native speakers in New Zealand or in a Spanish speaking country.

Assessment

The following standards will be offered and assessed:

Registered Number	Standard Title	Credits	Assessment Mode
90588 v2 (3.1)	Listen to and understand complex spoken Spanish in less familiar contexts	6	External
90589 v2 (3.2)	Give a prepared speech in Spanish using complex language	3	Internal
90590 v2 (3.3)	Converse in Spanish using complex language in less familiar contexts	3	Internal
90591 v2 (3.4)	Read and understand written Spanish, containing complex language, in less familiar contexts	6	External
90592 v2 (3.5)	Write text in Spanish using complex language on a less familiar topic	3	External
90593 v2 (3.6)	Write crafted text in Spanish, using complex language, with the support of resources	3	Internal

Qualifications: Credits towards NCEA Level 3 and Scholarship Spanish.



What Will I Study?

This course provides the opportunity for students to work with the community, industry and tertiary sectors to facilitate technological practice. Successful collaboration with clients and associated stakeholders will involve problem solving, client satisfaction and outcomes in both 2 and 3 dimensional forms. It will give students an opportunity to further develop their manipulation of materials, technical knowledge and communication skills. It will also help them gain confidence to learn by themselves

What Will I Learn?

Students will apply the skills they learnt in Year 11 Technology. They will be expected to work alongside a client while designing the products. Students will be required to gain continuous feedback from the stakeholders throughout the project. The documentation of the process that the students work through is a large part of the course. They will test their concepts using mock-ups and models before they reach a final outcome. Students will further their skills in freehand sketching and rendering, computer aided design (CAD) to include Photoshop, Indesign and Google Sketch Up.

Prerequisites

Satisfactory completion of the Year 11 Technology course for NCEA Level 1, with a minimum of 14 credits gained.

Where Does the Subject Lead?

Technology is a level 3 course in Year 13. The Year 12 course will provide an excellent foundation for any student who is looking to pursue a career in a technological or engineering field of study.

Assessment

The following standards will be offered and assessed:

Registered Number	Standard Title	Credits	Assessment Mode
90350 v2 (2.2)	Develop and implement a one-off solution in materials technology	6	Internal
90352 v2 (2.3)	Develop a means for multi-unit production of a technological outcome	6	Internal
90371 v2 (2.6)	Examine technological knowledge in materials technology practice	4	External
90372 v2 (2.7)	Demonstrate skills in materials technology	4	Internal

Other Details

Due to the explorative and problem solving nature of Technology, each student will be required to meet the cost of his own practical materials and stationery. At Year 12 there is an endeavour to limit the cost for materials to \$70.

Qualification: Credits towards NCEA Level 2.



What Will I Study?

This course provides the opportunity for students to work with the community, industry and tertiary sectors to facilitate technological practice. Successful collaboration with clients and associated stakeholders will involve problem solving, client satisfaction and outcomes in both 2 and 3-dimensional forms. Technology is never static. It is influenced by, and in turn impacts on the cultural, ethical, environmental, political and economic conditions of the day.

What Will I Learn?

Students will apply the skills they learnt in Year 12 Technology. They will be expected to work alongside a client while designing the products. Students will be required to gain continuous feedback from the stakeholders throughout the project. The documentation of the process that the students work through is a large part of the course. They will test their concepts using mock-ups and models before they reach a final outcome. Students will further their skills in freehand sketching and rendering, computer aided design (CAD) to include Photoshop, Indesign and Google Sketch Up.

Prerequisites

Satisfactory completion of the Year 12 Technology course for NCEA Level 2, with a minimum of 14 credits gained.

Where Does the Subject Lead?

Technology can open the door to degree courses with a design focus or engineering or to the hands on trade courses. The skills to problem solve and think in dependently about wider issues other than themselves is a skill that can only grow the individual.

Assessment

The following standards will be offered and assessed:

Registered Number	Standard Title	Credits	Assessment Mode
90620 v2 (3.2)	Develop a one-off solution to address a client issue	8	Internal
90686 v2 (3.6)	Explain knowledge that underpins a materials technology outcome	4	External
90687 v2 (3.7)	Demonstrate techniques in materials technology	4	Internal

Other Details

Due to the explorative and problem solving nature of Technology, each student will be required to meet the cost of his own practical materials and stationery. At Year 13, there is an initial payment of \$50, and then have a balance of payments at the start of Term 4.

Qualifications: Credits towards NCEA Level 3 and Scholarship Technology.



Part One National Certificate in Tourism and Travel (Introductory Skills) Level 2 Version 3

Aims

Tourism, New Zealand's fastest growing industry is now New Zealand's single largest export industry, surpassing the dairy industry in terms of earnings. During 2005, New Zealand welcomed 2.5 million international visitors who spent \$6.5 billion during their visit. The World Tourism Organisation (WTO) has selected the Asia Pacific Region as the key growth zone over the next 20 years. By 2020, the WTO suggests NZ could receive 25% of the world's visitors in this region.

This course is designed to take students through a two-year National Certificate programme that will see them gain the award of **National Certificate in Tourism and Travel (Introductory Skills) Level 2 Version 3**. The course gives students an insight into employment opportunities in the Tourism, Travel and Hospitality industries, and prepares them for work in the service sector or to study tourism at a tertiary level. External Tourism Industry knowledge is gained through visits to Wellington's leading tourism facilities and attractions. Guest speakers from national tertiary training providers and local tourism facilities provide additional industry opportunities and knowledge. Information technology and media is used to give students a global perspective of tourist destinations. ICT is widely utilised in project presentation and development.

Prerequisites

There are no prerequisites for this course, but students should have an interest in Tourism, Travel and Hospitality and be able to develop a 'self-starter' attitude regarding study and assessment requirements.

Course Content and Assessment

Students are assessed against relevant standards on the NQF as follows:

Registered Number	Standard Title	Credits	Assessment Mode
24728 v1	Demonstrate knowledge of work roles in tourism	3 (level 2)	Internal
24731 v2	Demonstrate knowledge of destination New Zealand	4 (level 2)	Internal
24733 v1	Describe and promote a New Zealand tourism destination	4 (level 3)	Internal
24732 v1	Demonstrate knowledge of tourism characteristics and needs	3 (level 2)	Internal
18237 v1	Perform calculations for a tourism workplace	3 (level 2)	Internal
23761 v1	Read and comprehend work-related documents in English for a tourism workplace	3 (level 2)	Internal

Extension Programme

Registered Number	Standard Title	Credits	Assessment Mode
3727 v6	Demonstrate knowledge of Pacific Island countries as tourism destinations	8 (level 3)	Internal

Scholarship, Career and Employment Opportunities

Toward the end of the two-year programme, students have the opportunity to apply for several national and international tertiary training provider scholarships. Included is the scholarship to study tourism in Australia offered exclusively to Wellington College by 'The International College of Tourism and Hotel Management Sydney, Australia'. Students also gain:

- knowledge of employment opportunities within each of the tourism sector groups
- the skills, attitudes and knowledge required to hold these jobs
- Tourism Industry awareness
- Tertiary course information and key contacts.



COURSE ONE

Part Two National Certificate in Tourism and Travel (Introductory Skills) Level 2 Version 3

Aims

This course is designed to take students through the second part of the two-year programme and will see them gain the **National Certificate in Tourism and Travel (Introductory Skills) Level 2 Version 3**.

Prerequisites

National Certificate in Tourism and Travel (Introductory Skills) Level 2 Version 3

Students will have completed Part 1 of the National Certificate in Year 12.

Course Content and Assessment

Students are assessed against relevant standards on the NQF as follows:

Registered Number	Standard Title	Credits	Assessment Mode
24729	World tourist destinations	3 (level 2)	Internal
24730	Business of tourism	4 (level 2)	Internal
24724	History of tourism	4 (level 2)	Internal
24727	Impacts of tourism on the physical environment	3 (level 2)	Internal
24725	Economic significance of tourism	4 (level 3)	Internal
23767	Use of the internet in a tourism workplace	2 (level 2)	Internal

Extension Programme

Registered Number	Standard Title	Credits	Assessment Mode
18211 v2	Demonstrate knowledge of Australia as a tourist destination	8 (level 3)	Internal

COURSE TWO

The course has been designed to accommodate Year 13 students new to Tourism Studies at Wellington College. Students studying this programme will achieve credits from the units below. Information technology and media is used to give students a global perspective of tourist destinations. ICT is widely utilised in project presentation and development.

Prerequisites

Students should have an interest in Tourism, Travel and Hospitality and be able to develop a 'self-starter' attitude with regard to study and assessment commitments.

Course Content and Assessment

Students are assessed against relevant standards on the NQF as shown below. Gaining 14 credits in Tourism at level 3 will contribute towards gaining University Entrance.

Registered Number	Standard Title	Credits	Assessment Mode
18211 v2	Demonstrate knowledge of Australia as a tourist destination	8 (level 3)	Internal
3727 v6	Demonstrate knowledge of Pacific Island countries as tourist destinations	8 (level 3)	Internal
24733 v1	Describe and promote a New Zealand Tourist destination	4 (level 3)	Internal

Scholarship, Career, and Employment Opportunities

Students have the opportunity to apply for several national and international scholarships.

Students should also gain practical work-related concepts such as:

- knowledge of employment opportunities within each of the tourism sector groups
- the skills, attitudes and knowledge required to hold these jobs
- Tourist Industry awareness
- Tertiary course information and key contacts.





Course Selection For Year 12 Subjects In 2010

Name _____ Form Class in 2009 _____
First Name Last Name

What are your intentions for 2010? (tick one box)

Definitely Returning **Unsure** **Definitely NOT Returning**
If you are unsure of your intentions for next year, tick **five** subjects that are given below.
This makes a total of **six** subjects, as **all Year 12 students study English**.

- | | | |
|--|---|---|
| <input type="checkbox"/> Accounting | <input type="checkbox"/> Art (Design & Photography) | <input type="checkbox"/> Art (Painting & Printmaking) |
| <input type="checkbox"/> Art History | <input type="checkbox"/> Biology | <input type="checkbox"/> Business |
| <input type="checkbox"/> Career Planning | <input type="checkbox"/> Chemistry | <input type="checkbox"/> Chinese |
| <input type="checkbox"/> Classical Studies | <input type="checkbox"/> Computer Studies OR | <input type="checkbox"/> Drama |
| | <input type="checkbox"/> Computer Science OR | |
| | <input type="checkbox"/> Digital Media-Web Design | |
| <input type="checkbox"/> Economics | <input type="checkbox"/> ESOL | <input type="checkbox"/> French |
| <input type="checkbox"/> Gateway | <input type="checkbox"/> Geography | <input type="checkbox"/> German |
| <input type="checkbox"/> Graphics | <input type="checkbox"/> History | <input type="checkbox"/> Japanese |
| <input type="checkbox"/> Latin | <input type="checkbox"/> Māori | <input type="checkbox"/> Mathematics |
| <input type="checkbox"/> Media Studies | <input type="checkbox"/> Music | <input type="checkbox"/> Physical Education |
| <input type="checkbox"/> Physics | <input type="checkbox"/> Spanish | <input type="checkbox"/> Technology |
| <input type="checkbox"/> Tourism | | |

Have you ticked FIVE subjects?

Please note: students' selections will be met where possible. Timetable restrictions may affect this.

An information meeting will be held at 4pm on Thurs 6th August in the College Hall.

Signature of Parent: _____

Date: _____

Please return this form to your **Form Teacher** by Monday 10 August 2009.





Course Selection For Year 13 Subjects In 2010

Name _____ Form Class in 2009 _____
First Name Last Name

What are your intentions for 2010? (tick one box)

Definitely Returning **Unsure** **Definitely NOT Returning**

Tick **five** subjects below. If you are unsure of your intentions for next year, then tick **five** subjects below.

Note: For the practical Art options, select up to 2 Art subjects

- | | | |
|---|---|---|
| <input type="checkbox"/> Accounting | <input type="checkbox"/> Art Design | <input type="checkbox"/> Art Painting |
| <input type="checkbox"/> Art Printmaking | <input type="checkbox"/> Art Photography | <input type="checkbox"/> Art History |
| <input type="checkbox"/> Biology OR | <input type="checkbox"/> Business | <input type="checkbox"/> Chemistry |
| <input type="checkbox"/> Biology (Practical) | | |
| <input type="checkbox"/> Chinese | <input type="checkbox"/> Classical Studies | <input type="checkbox"/> Computer Studies OR |
| | | <input type="checkbox"/> Computer Science |
| <input type="checkbox"/> Drama | <input type="checkbox"/> Economics | <input type="checkbox"/> Economics (Modified) see p38 |
| <input type="checkbox"/> English (Standard) | <input type="checkbox"/> English (Modified see p40) | <input type="checkbox"/> ESOL |
| <input type="checkbox"/> French | <input type="checkbox"/> Gateway | <input type="checkbox"/> Geography |
| <input type="checkbox"/> German | <input type="checkbox"/> Graphics | <input type="checkbox"/> History |
| <input type="checkbox"/> Japanese | <input type="checkbox"/> Latin | <input type="checkbox"/> Māori |
| <input type="checkbox"/> Maths – Calculus | <input type="checkbox"/> Maths – Statistics | <input type="checkbox"/> Media Studies |
| <input type="checkbox"/> Music Studies | <input type="checkbox"/> Physical Education | <input type="checkbox"/> Physics |
| <input type="checkbox"/> Making Music (Practical) | | |
| <input type="checkbox"/> Spanish | <input type="checkbox"/> Technology | <input type="checkbox"/> Tourism |

Please note: students' selections will be met where possible. Timetable restrictions may affect this.

If you wish to take a sixth subject, write a 6 next to your choice. Students selecting 6 subjects must discuss this with their Dean and understand they are making a commitment for the year.

An information meeting will be held at 4pm on Thurs 6th August in the College Hall.

Signature of Parent: _____

Date: _____

Please return this form to your **Form Teacher** by Monday 10 August 2009.

