

St Catherine's College



**COURSE SELECTION  
HANDBOOK  
YEAR 13  
2012**

**Please note:**

**Tuesday, 25 October 2011  
is the last day for return of your  
Options Sheets**



**YEAR 13 COURSE OUTLINES  
2012**

**INDEX**

<b><i>Subjects</i></b>	<b><i>Page(s)</i></b>
Introduction.....	1-4
Academic English (for students from non-English speaking backgrounds (NESB)).....	5
Accounting.....	6
Art Painting.....	7
Art Photography.....	8
Biology.....	9
Chemistry.....	11
Classical Studies.....	12
Digital Design.....	13
Digital Technology.....	15
Economics.....	17
English.....	19
English for Literacy.....	20
Food Technology.....	21
French.....	22
Gateway.....	23
Geography.....	24
Health Science (L2).....	25
History.....	26
Mathematics with Calculus.....	27
Mathematics – Statistics & Modelling.....	28
Media Studies.....	30
Music.....	32
Physical Education.....	34
Physics.....	35
Religious Studies.....	36
Tourism.....	37
Courses taken at St Patrick’s College/Correspondence School.....	38-39
Art History 303	
Drama 203 (NCEA Level 3)	
Languages	
Te Reo Maori	
Course Option Lines.....	40
Course Selection Form.....	41

## INTRODUCTION

This booklet will help you make informed decisions about choosing subjects for Year 13.

Our aim at St Catherine's College is to give every student a broad, well balanced education which is appropriate to her ability and which reflects the essential learning areas and skills of the New Zealand Curriculum Framework.

We offer as wide a range of subjects as it is possible within the size of our school and within the constraints of our timetable. For timetabling purposes, subjects are arranged in option lines, with only one subject in each line being available to any student. However, we endeavour to please the greatest number in determining which subjects should be placed in the option lines.

To assist us in these decisions, we ask students to choose at the end of Term 3 of each year, which subjects they would like to take the following year. We cannot guarantee that any particular choice will be possible but we make every effort to accommodate everyone's wishes. This may be achieved through co-operation with St Patrick's College and the Correspondence School. (A maximum of two subjects only can be taken at another school.)

Classes will only be offered in a subject provided there are sufficient students to justify the class. Usually a minimum of 6 students is required for a class to operate. If too many students apply to take a subject, preference will be given to those who initially chose the subject over any who have subsequently changed their minds.

To enable students to gain success in their studies they may elect to take a multi-level course. When selecting courses keep in mind:

### SUBJECT CHOICE TIPS

**(He whakamohio puku kowhiringa marau)**

Steps to make an informed decision:

1. Check out your career implications – will you keep your options open?
  - a. Work out all your current career ideas
  - b. Check the subject requirements
  - c. Weigh up the 'essential' subjects, then the 'useful' subjects.
2. Think about your abilities – can you do well in these subjects?
3. Think about your interest levels – will you have the motivation?
4. Weigh up any differences between interests, abilities and career ideas.
5. Talk it over with people who know you well.

When you have made your choices, follow this simple checklist:

- *Ability and Attitude: Are you able and will you be interested?*
- *Balance: Will you have a range of options open for future career ideas?*
- *Choice: Are they your own decisions or have you been swayed by others?*

Do not be afraid to ask for advice on subject choices. Your teachers are only too happy to help. Other staff members who can advise you are:

The Deputy Principal  
The Senior Dean  
The Guidance Counsellor

Your parents are also welcome to contact any of the people listed above.

**The following website contains useful information on making smart decisions about work and learning in New Zealand: [www.careers.govt.nz](http://www.careers.govt.nz).**

## NATIONAL QUALIFICATIONS

### New University Entrance Requirement from 2014

From 2014 there will be a new university entrance (UE) requirement. Students will use this new UE to enter degree-level programmes from 2015. The new UE requirement will continue to be the **minimum** requirement for entry to university.

From 2014, students will need all of the following to be awarded UE:

- Attain NCEA Level 3.
- Achieve 14 credits at level three in **each of three subjects from the list of approved subjects**. The list of approved subjects will consist of subjects derived from the *New Zealand Curriculum* with achievement standards at Level 3.
- Achieve UE numeracy – 10 credits at Level 1 and above from specific achievement standards, or three specific numeracy unit standards.
- Achieve UE literacy – 10 credits (five in reading and five in writing) at Level 2 and above from specific standards.

### How will this be implemented?

#### NCEA Level 3

Students will need to attain NCEA Level 3. Three of their subjects, in each of which they need to achieve at least 14 credits, must be on the list of approved subjects.

Any remaining credits from Level 3 or higher that they need in order to gain their Level 3 NCEA can come from any field, subfield or domain. This means that credits from unit standard-based subjects can contribute to UE through this requirement.

#### Numeracy

The change to UE numeracy makes the new requirement the same as the new NCEA Level 1 numeracy requirement. This means that students in Year 11 from 2012 who achieve NCEA Level 1 will have also met the new UE numeracy requirement (see details of the NCEA Level 1 numeracy requirements on the NZQA website).

#### Literacy

Students in Year 12 from 2013 may meet their UE literacy requirement through a range of Level 2 or above standards that have yet to be identified. NZQA will ensure that schools are advised which standards apply by April 2012. It is expected that standards will be identified in English, Te Reo Maori, Te Reo Rangatira and a limited number of other subjects to levels 2 and 3.

#### 14 credits at level three in each of three subjects

Those students intending to study at degree-level from 2015 onwards, starting with Year 13 students in 2014, must achieve 14 credits at Level 3 in **each of THREE subjects** from the list of approved subjects.

#### List of approved subjects

The list of approved subjects will consist of subjects derived from the *New Zealand Curriculum* with achievement standards at Level 3. The list of approved subjects will be updated as subjects meet the criteria. Business Studies, Education for Sustainability, Home Economics and Religious Studies will be added to the list in 2012. The changed list of approved subjects for each year will be added to the NZQA website.

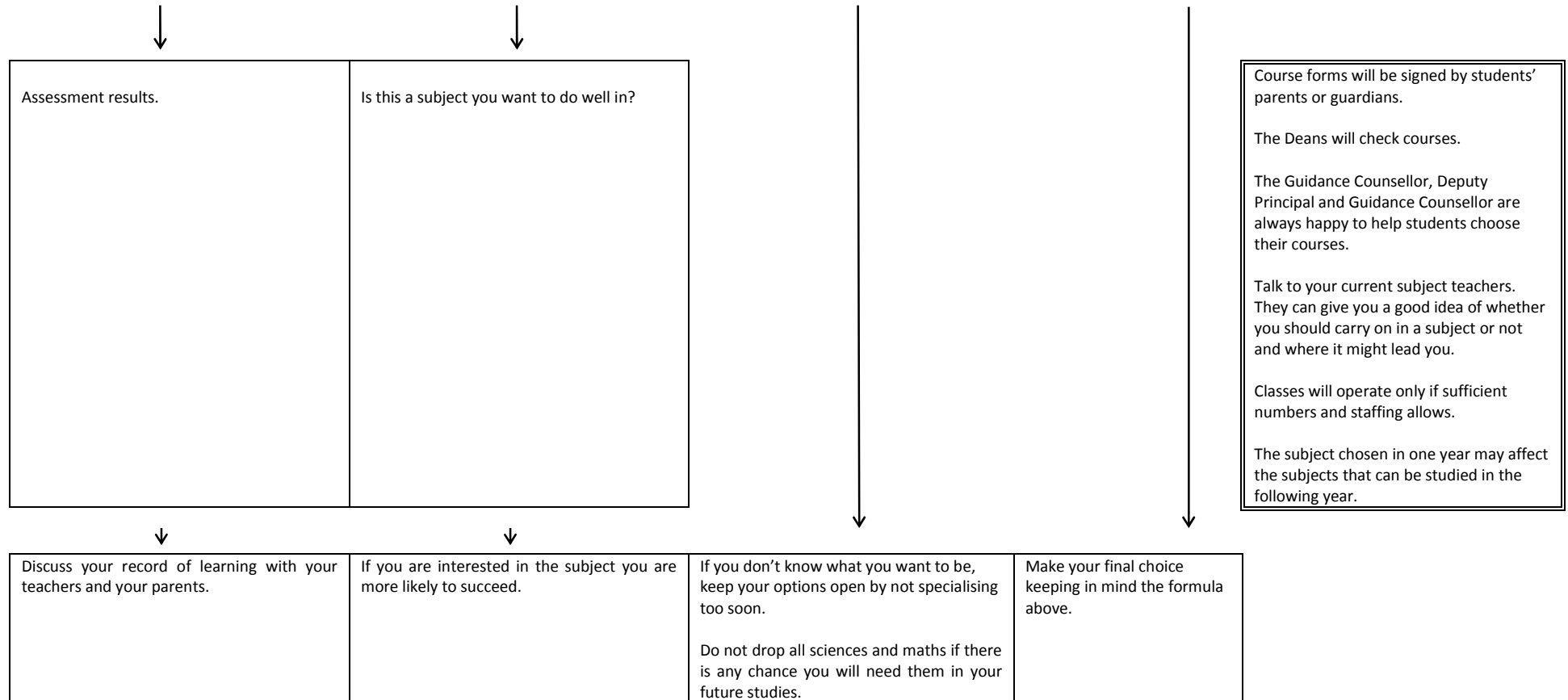
## COURSES OF STUDY

Learning Areas	Year 9	Year 10	Year 11 NCEA Level 1	Year 12 NCEA Level 2	Year 13 NCEA Level 3
<b>Spiritual Wellbeing, Attitudes &amp; Values</b>	(Religious Education) <u>Takitoru</u>	<u>Religious Education</u>	<u>Religious Education</u>	<u>Religious Education</u> or: Ethics & Philosophy	<u>Religious Studies</u>
<b>English</b>	(English) <u>Takitoru</u> Language Extension	<u>English</u> Language Extension	<u>English</u> English for Literacy	<u>English</u> English for Literacy Media Studies	English Media Studies
<b>Learning Languages</b>	French ESOL <i>Te Reo Maori</i> (SPC) <i>Japanese</i> (SPC)	French ESOL <i>Te Reo Maori</i> (SPC) <i>Samoan</i> (SPC) <i>Japanese</i> (SPC)	French ESOL <i>Te Reo Maori</i> (SPC) <i>Samoan</i> (SPC) <i>Japanese</i> (Corres)	French Academic English (for NESB) <i>Te Reo Maori</i> (SPC) <i>Samoan</i> (SPC) <i>Japanese</i> (Corres)	French Academic English (for NESB) <i>Te Reo Maori</i> (SPC) <i>Samoan</i> (SPC) <i>Japanese</i> (Corres)
<b>Mathematics</b>	<u>Mathematics</u>	<u>Mathematics</u>	<u>Mathematics</u> <u>Applied Mathematics</u> Accounting	Mathematics Accounting	Maths with Calculus Statistics and Modelling <i>Accounting</i> (SPC)
<b>Science</b>	<u>Science</u>	<u>Science</u>	<u>Science</u> <u>Science 2 (Internal)</u>	Biology Chemistry Health Science (L2) Physics	Biology Chemistry Health Science (L2) Physics
<b>Technology</b>	<u>Information Technology</u> <u>Textiles Technology</u>	Information Food Technology	Digital Technology	Digital Technology	Digital Technology
				Digital Design	Digital Design
	<u>Food Technology</u>			Food Technology	Food Technology
<b>Social Sciences</b>	<u>Social Studies</u>	<u>Social Studies</u>	Economics Geography History	Economics Geography History Media Studies <i>Classical Studies</i> (SPC)	Classical Studies Geography History Media Studies <i>Economics</i> (SPC)
<b>The Arts</b>	<u>Core Music</u> Art Drama Performance Music	Art Performance Music	Practical Art Performance Music	Practical Art Performance Music <i>Drama</i> (SPC)	Music Practical Art - Painting - Design - Photography Art History (Corres) <i>Drama</i> (SPC) } As required
<b>Health &amp; Physical Education</b>	<u>Physical Education</u> <u>Health</u>	<u>Physical Education</u> <u>Health</u>	<u>Physical Education</u> <u>Health</u>	Physical Education <u>Career Education</u>	Physical Education

Core or compulsory subjects underlined

## HOW TO CHOOSE YOUR COURSE

CAREER DIRECTIONS	+	SUCCESS	+	INTEREST	=	SUBJECT CHOICE
<p>If you know what you would like to be, ask your Dean, Whanau Teacher or the Careers Adviser what subjects you need to take.</p> <p>If you don't know - keep your subjects as wide as possible. Include English and Maths if possible.</p>		<p>Do you have the prerequisites to continue with this subject?</p>		<p>Add to your record, your interest</p>		<p>Investigate carefully all subjects you are interested in.</p> <p>Use the Personal Planner to help you map out your course while you are at College - plan ahead.</p>



# ACADEMIC ENGLISH

## FOR STUDENTS FROM A NON-ENGLISH SPEAKING BACKGROUND (NESB)

**LEVEL:** 12, 13

**TIMETABLE CODE:** 13AE

**AIM:**

To increase students' fluency across the skills of listening, speaking, reading and writing to the level that they are able to operate independently in the community or achieve in content classes.

**ENTRY LEVEL:** Year 11, 12 or 13

**PREREQUISITES:** First language other than English  
OR student is from a non-English speaking background

**OBJECTIVES:**

The course aims to ensure that all students:

- Leave the college with a good level of communicative English across the four skills: reading, writing, speaking, listening
- Have a course of study that best suits their needs
- Are encouraged and assisted to become familiar with New Zealand culture
- Accept error (their own and others') as part of learning.

**COURSE CONTENT:**

Academic English for NESB students is a two to three year programme offering different levels of assessment depending on the language level of each student. This gives all students the chance to participate in a full class programme of related activities.

Each week students will undertake activities strengthening reading, writing, speaking and listening and grammar and vocabulary. There will be a continued focus on academic writing skills. This is integrated into thematic units of work. Students will continue to learn the vocabulary required for academic studies.

**ASSESSMENT:**

**Internal**

Unit Standards in ESOL and Communication will be offered at Levels 1, 2 and 3 making it possible for students to achieve at their own language ability level. Students can expect to gain 20-30 credits depending on their individual level of English.

Academic English for NESB students will also support the work of Senior Literacy and English classes providing multiple opportunity for success in NCEA.

**LEADS ON TO:**

- tertiary study in a variety of subjects
- competence in content classes
- competence in English skills for a range of employment opportunities

# ACCOUNTING

**LEVEL:** Year 13

**TIMETABLE CODE:** 13AC

**AIM:**

- To develop students' understanding of the role of accounting in society as a financial language for individuals and businesses.
- To provide students with knowledge of the principles, processes and systems of accounting.
- To enable students to apply financial knowledge and skills to practical situations.

**ENTRY LEVEL:** Year 13

**PREREQUISITES:** A satisfactory performance at Year 12 Accounting

**OBJECTIVES:**

On completing this course students should be able to:

- understand the principles of accounting and how they are used in business
- process financial information
- develop an understanding of the systems and controls required to ensure accurate accounting information
- prepare useful financial reports which meet legal and professional standards
- analyse and interpret financial reports
- make decisions based on financial and non-financial information
- develop the essential skills which include numeracy, problem solving, self management and communication.

**ASSESSMENT:**

3.1 90500 02	Demonstrate an understanding of the conceptual basis of accounting in context for business entities	4 credits	EXTERNAL
3.2 90501 02	Process financial information for partnerships and/or companies	3 credits	EXTERNAL
3.3 90502 02	Process financial information for a manufacturing job-cost system	3 credits	EXTERNAL
3.4 90503 02	Report financial information for partnerships and companies	6 credits	EXTERNAL
3.5 90504 02	Prepare a report which analyses and interprets a company's financial report for external users	5 credits	INTERNAL
3.6 90505 02	Explain and prepare information for management decision-making	3 credits	EXTERNAL

**OTHER DETAILS:** Nightly revision of theory and skills is required.

**LEADS ON TO:** Accounting Degrees at University  
Commerce Degrees  
Accounting Technicians Diploma  
Entry level positions in Financial roles and most other occupations requiring the recording and control of finance.  
Very useful for those planning to set up their own business.

**OPTION COURSE****ART PAINTING****LEVEL:** Year 12/Year 13 (combined)**TIMETABLE CODE:** 13AP**AIM:**

To develop students' knowledge and experience of drawing and painting and to produce a portfolio of work that will help grow students' personal style of painting.

**ENTRY LEVEL:** Year 12/13**PREREQUISITES:** Year 12 painting. Reaching an Achieved level or higher in the Workbook and Portfolio, or in consultation with HoD.**OBJECTIVES:**

On completing the course students will be able to:

- Generate and develop ideas in a portfolio of work for painting.
- Understand the particular requirements in preparation for Year 13 painting (for year 12 students)
- Manage their time well and produce the artwork required at this level.

**COURSE CONTENT:**

Students will undergo one internal standard (workbook) and one external standard (portfolio) in painting.

**ASSESSMENT:****For Year 13 students:**

AS 3.2	Workbook project	6 credits	<b>Internal</b>
AS 3.3	Portfolio project	14 credits	<b>External</b>

Note: Further standards/assessments may be available to students on an individual basis.

**LEADS ON TO:** (for year 13 students)

- Fine Arts university and other tertiary degrees in design, film, painting, photography, printmaking, sculpture
- Applied Arts university and other tertiary degrees and diplomas in design (fashion, industrial, interior), book illustration, typography, architecture, landscape architecture, and craft (e.g. ceramics, fibre, wood, jewellery, stone carving)

**MATERIALS:** \$100. This includes all paper, paint and drawing materials required for the year. Students will receive their Art Kit upon payment. Optional black art carry bags can be purchased from the Art Department for \$10 (hard case A3) or \$20 (soft canvas bag A2). Students can choose their bag when class has started.

## OPTION COURSE

# ART PHOTOGRAPHY

**LEVEL:** Year 12/Year 13 (combined)

**TIMETABLE CODE:** 13 APH

**AIM:**

To develop students' knowledge and experience of photography and to produce a portfolio of work that will help grow students' personal style of photography.

**ENTRY LEVEL:** Year 12/13

**PREREQUISITES:** Year 11 art is preferred but not essential. If numbers are an issue those students having taken art to year 11 will have preference. Non Art student entry is in consultation with the HoD.

**OBJECTIVES:**

On completing the course students will be able to:

- Generate and develop ideas in a portfolio of work for photography.
- Understand the particular requirements in preparation for Year 13 photography (for year 12 students)
- Manage their time well and produce the artwork required at this level

**COURSE CONTENT:**

Students will undergo one internal standard (workbook) and one external standard (portfolio) in photography.

**ASSESSMENT:**

**For Year 13 students:**

AS 3.2	Workbook project	6 credits	<b>Internal</b>
AS 3.3	Portfolio project	14 credits	<b>External</b>

Note: Further standards/assessments may be available to students on an individual basis.

**LEADS ON TO:** (for year 13 students)

- Fine Arts university and other tertiary degrees in design, film, painting, photography, printmaking, sculpture
- Applied Arts university and other tertiary degrees and diplomas in design (fashion, industrial, interior), book illustration, typography, architecture, landscape architecture, and craft (e.g. ceramics, fibre, wood, jewellery, stone carving)

**MATERIALS:** \$120. This includes all paper, paint and drawing materials required for the year. Students will receive their Art Kit upon payment. Optional black art carry bags can be purchased from the Art Department for \$10 (hard case A3) or \$20 (soft canvas bag A2). Students can choose their bag when class has started.

This fee also includes the printing costs of the portfolio at the end of the year.

## OPTION COURSE

# BIOLOGY

**LEVEL:** Year 13

**TIMETABLE CODE:** 13BI

**AIM:**

Emphasis is placed on the development of intellectual and practical skills of Biology. The course is designed for those who will continue with the subject at tertiary level as well as for those who are studying it for interest at school only.

**ENTRY LEVEL:** Year 13

**PREREQUISITES:** Students should have gained 12 or more Level 2 Biology credits. It is best if students have achieved AS 2.3 (Genetics). Some students may enter with suitable credit levels from NCEA Level 1 Science and good achievement in Level 2 English at the discretion of the HoD Science, but must be motivated and diligent students. It is not easy to pass 13 Biology without having studied the Year 12 course.

**OBJECTIVES:**

On completing this course students should be able to:

- investigate and identify aspects of animal behaviour and plant responses in relation to biotic and abiotic environmental factors
- investigate an aspect of the ecological niche of an animal and a plant
- investigate and describe gene expression
- investigate and explain speciation and identify patterns of evolution, with emphasis on New Zealand examples
- examine and interpret scientific evidence on the origins of humans and identify trends in their biological and cultural evolution
- investigate contemporary biological issues and make informed judgements on any social, ethical or environmental implications
- identify and explain examples of contemporary techniques used in molecular biology or biotechnology, and the influence of human needs and demands on their development and use.

**COURSE CONTENT:**

- Plant and Animal Responses to the Environment
- Gene Expression
- Patterns of Evolution
- Human Biological and Cultural Evolution
- Biotechnological Techniques and Applications

**ASSESSMENT:**

This course assesses a minimum of 16 credits selected from Level 3 Biology Achievement Standards.

<b>Achievement Standard</b>	<b>Credits</b>	<b>Type</b>
3.1 Carry out an investigation into an aspect of the ecological niche of an organism with guidance *	5	Internal
3.2 Research a contemporary biological issue *	3	Internal
3.3 Describe gene expression	4	External
3.4 Describe animal behaviour and plant responses	4	External
3.5 Describe patterns of evolution	2	External
3.6 Describe applications of biotechnological techniques	3	Internal
3.7 Describe trends in human biological and cultural evolution	3	External

\* *Achievement Standards 3.1 and 3.2 are offered as optional extras for students that need extending. Students must be prepared to complete the assessments in their own time.*

**LEADS ON TO:**

Medicine, Dentistry, Veterinary Science, Optometry, Agriculture, Horticulture, Forestry Research, Marine Biology, Micro Biology, Food Science, Teaching, Environmental Management.

It may be useful in geography, chemical and engineering fields.

**OTHER DETAILS:**

Students are required to purchase a workbook at a cost of approximately \$20.00.

**OPTION COURSE****CHEMISTRY****LEVEL:** Year 13, NCEA Level 3**TIMETABLE CODE:** 13CH**AIM:**

To prepare students for tertiary level Science, particularly Chemistry, while motivating their interest in and enhancing their understanding of the chemical processes that surround us.

**PREREQUISITES:** A minimum of 14 credits at Level 2 Chemistry**COURSE CONTENT:**

There are 4 topics taught at level 3:

- Particles and Thermochemistry
- Organic Chemistry
- Redox Chemistry
- Aqueous Chemistry

**ASSESSMENT:**

Students are prepared to attempt the following achievement standards:

AS	Number	Title	Credit value	Type
3.2	90695	Determine the concentration of an oxidant or reductant by titration	2	Internal
3.3	90696	Describe oxidation-reduction processes	3	External
3.4	90698	Describe aspects of organic chemistry	5	External
3.5	90700	Describe properties of aqueous systems	5	External
3.6	90780	Describe properties of particles and thermochemical principles	5	External

The following unit standards may be assessed if beneficial to individual students:

US	Title	Credit value	Type
8948	Calculate the enthalpy change associated with chemical reactions	2	Internal
8950	Predict the formation of precipitates of sparingly soluble substances	2	Internal
6345	Analyse spontaneous oxidation – reduction reactions	4	Internal

**LEADS ON TO:**

University & other tertiary Science courses, e.g.:  
Engineering, Industrial Design, Teaching, Physiotherapy,  
Photography, Dentistry, Medicine, Forensic Science, Nursing,  
Food Science, Pharmacy, Biotechnology, Geology, Oceanography,  
Astronomy, Meteorology, Veterinary Science, Optometry,  
Physiotherapy

**COSTS:**

Students will need to purchase:  
Workbook with Practicals: \$30 (approx.)

**OPTION COURSE****CLASSICAL STUDIES****LEVEL:** Year 13**TIMETABLE CODE:** 13CS**AIM:**

To provide students of differing abilities with a knowledge and appreciation of selected areas of Greek and Roman civilisation.

**ENTRY LEVEL:** Year 13

**PREREQUISITES:** 12 or more credits in either Year 12 English and/or History or **only with the approval of the TIC of Classical Studies.**

**OBJECTIVES:**

On completing this course students should be able to:

- Demonstrate an appreciation of aspects of the classical world
- show awareness of links between classical and contemporary society
- show awareness of rise and fall of civilisations throughout history

**COURSE CONTENT:**

Three topics will be offered in 2012:

- Attic Old Comedy
- Alexander the Great
- Greek Vase Painting

**ASSESSMENT:** NCEA Level 3

<b>EXTERNAL</b>		
3.1	Examine and analyse passage(s) from work(s) of classical literature in translation	6 credits
3.2	Examine and explain a work of classical art in its social/historical and artistic content	6 credits
3.3	Examine in essay format an aspect of the classical world	6 credits
<b>INTERNAL</b>		
3.4	Research an area of Classical Studies	6 credits

**LEADS ON TO:**

Tertiary Study  
 Careers involving: organisation; communications; research; analysis

## OPTION COURSE

# DIGITAL DESIGN

**LENGTH OF COURSE:** 1 Year

**TIMETABLE CODE:** 13DD

### AIM:

Want to make a difference in today's society?  
Digital Media is an exciting, internationally rapidly growing area where students' learn to produce websites, animations and design documents. Students are granted the opportunity to work with a real life client to solve a design issue.

**ENTRY LEVEL:** Year 13

### PREREQUISITES:

It is recommended that students complete one of the following: Yr 12 Digital Media, Media studies, ICT/Technology, English or Art. However can discuss with HOD.  
Curiosity and interest in web design, animation or design  
Strong work ethic and a creative mind

### OBJECTIVES:

On completion of the course students should be able to:

- Create a website
- Produce an animation with buttons and sound
- Use software such as Dreamweaver, Flash, Photoshop, InDesign and Illustrator
- Understand how to write and interpret a brief
- Critically analyse designs using the basic design principles and design processes
- Use planning tools to manage a brief project to completion
- Work with a real-life client to produce a brief and one-off design solution
- Engage in thorough research using a variety of media
- Create conceptual designs, develop and justify a range of original design solutions

### ASSESSMENT:

Standard	Version	Standard Name	Credits	Assessment Method
90313	2	Develop a conceptual design to address a client issue	8	Internal
90320	2	Develop a one-off solution to address a client issue	8	Internal
25661	2	Design and assemble an interactive media product without scripting	3	Internal
25658	1	Create a website for a stakeholder using a dedicated web-authoring tool	5	Internal
5953	6	Create and monitor a project plan using a computer application	3	Internal

### ATTENDANCE:

Minimum of 85% attendance is required. All absences must be appropriately documented. It is the student's responsibility that any time missed must be caught up at lunchtimes or after school.

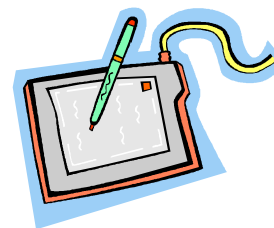


**COURSE FEE:** Students are required to pay a printing and materials feed of \$100. This needs to be paid early in the academic year.

**Careers:** web designer, web developer, graphic designer, computer game designer, software developer and tester, marketing, advertising, typographer, illustration, animation, publishing, mac operator, product designer, sign-writer, publishing and magazine.



# DIGITAL TECHNOLOGY



**LEVEL:** Year 13

**TIMETABLE CODE:** 13DT

**AIM:**

The aim of this course is to enable students to have a range of Information Communication Technology skills which will be a foundation for students to move comfortably into the workforce. Technology is the intervention of design, the use of practical and intellectual resources to develop products and systems (technological outcomes that expand human possibilities by addressing needs and realising opportunities).

**ENTRY LEVEL:** Year 13

**PREREQUISITES:** At least Year 11 Information Technology, or at HoD discretion

**OBJECTIVES:**

On completion of this course students should be able to:

- Participate and critique the Nature of Technology
- Examine and develop a range of outcomes using Technological Practice
- Transfer their Technological Knowledge to other fields of learning
- Recognise a base level core of computing skills
- Provide flexibility for industry to specify computing competencies in combination with knowledge and skills from their specific interests
- Design, research and communicate skills using computers
- Understand components and uses of computer applications
- Demonstrate knowledge of computer system operations, management, maintenance and protection of data
- Demonstrate a sound basis for further education and training
- Appreciate the impact that technology will have on their personal life and in society
- Develop solid foundations in understanding a wide range of software applications
- Become proficient and confident users of computers in the work place and for personal use

**COURSE CONTENT:**

The use of computers has changed the way we communicate with one another in recent years. Students will need to understand sophisticated techniques to deliver messages in print, graphic or multimedia form.

**ASSESSMENT:**

Standard	Version	Standard Name	Credits	Assessment Method
<b>Unit Standards</b>				
2789	6	Produce desktop published documents for organisation use	6	Internal
5968	6	Discuss the social implications of information technology	3	Internal
5951	6	Describe the concepts of information systems deployment	3	Internal
2785	6	Create a computer spreadsheet to provide a solution for organisation use	5	Internal
<b>Achievement Standards</b>				
90613	2	Develop a conceptual design to address a client issue	8	Internal
90620	6	Develop a one-off solution to address a client issue	8	Internal

**LEADS TO:**

Computing careers, administrative assistant etc

**OTHER DETAILS:**

Students are required to pay a fee.  
In 2012, the fees will be \$60 or \$20 per term.

**OPTION COURSE****ECONOMICS****LEVEL:** Year 13**TIMETABLE CODE:** 13EC**AIM:**

This course enables students to develop a practical interest in economic issues:

- Section A, "Resource Allocation via the Market System", is a study of market forces.
- Section B, "Allocation via the Public Sector", gives students an insight into the role of Government in the provision of goods and services.
- Section C gives an overview of the whole of the economy and the impact of Government actions on sectors of the economy.

**ENTRY LEVEL:** Year 13**PREREQUISITES:**

- Ideally, 16 credits at Level 2 economics.
- Candidates new to economics are welcome, at the discretion of the HoD.

**OBJECTIVES:**

On completing this course students will:

- Gain a working knowledge of economic skills and techniques used to interpret economic information
- Present and interpret economic data
- Understand economic relationships
- Appreciate the reasons for and wisdom of government intervention.
- Understand relationships in the economy as a whole.

**COURSE CONTENT**

The course encompasses three sections:

- Section A: The economic problem relating to scarcity and allocation
- Section B: The framework for State intervention
- Section C: The aggregate economic activity and policy

**ASSESSMENT:**

3.1 90629 02	Understand marginal analysis and the behaviour of firms	5 credits	EXTERNAL
3.2 90630 02	Describe an economic problem, allocative efficiency, and market responses to change	4 credits	EXTERNAL
3.3 90631 02	Describe market failure and government interventions to correct for market failure	4 credits	EXTERNAL
3.4 90632 02	Describe aggregate economic activity	6 credits	EXTERNAL
3.6 90634 01	Carry out an economic investigation to test a hypothesis	3 credits	INTERNAL
9077801	Collect and process information and carry out an economic analysis	5 credits	INTERNAL

**LEADS ON TO:**

Economics at University; Tertiary Business courses;  
Commerce Degree/Arts Degree; Banking; Economist;  
Teacher; Market Analyst; Treasury; Insurance; Commercial  
Law; Law; Public Sector; Self Employment

**OTHER DETAILS:**

Students are required to purchase from the College the Workbooks which accompany this subject. Nightly revision of theory and skills is required.

# ENGLISH

**LEVEL:** Year 13

**TIMETABLE CODE:** 13EN

**AIM:**

The Year 13 course extends and deepens the aims of Year 12 English and is designed to guide students towards more independence and flexibility in their approach to their studies.

**ENTRY LEVEL:** Year 13

**PREREQUISITES:** 12 Credits in NCEA English Level 2, with at least Achievement in 2.6 and at least one literature topic, or with approval of HoD. University Entrance literacy must have been gained in Year 12.

**OBJECTIVES:**

On completing this course students should be able to:

- show understanding of the messages and techniques of literary language
- show understanding of the messages and techniques of contemporary (non literary) language
- demonstrate ability to write effectively, appropriately, logically and accurately (emphasis on transactional writing)
- communicate effectively orally

These objectives cover the range of objectives of English in the NZ Curriculum.

**COURSE CONTENT:**

- Comprehension and criticism (close reading of text).
- Study of a language topic, including an individual research assignment and seminar presentation
- Write in a particular style (either expressive or transactional)
- Study of a range of literary works selected from:  
Shakespeare; drama; novel; non-fiction; short story; poetry; film
- There will be an opportunity to gain credits through Unit Standards.

**ASSESSMENT:**

Students will undertake all or most of the NCEA Level 3 Achievement Standards listed below, as well as Unit Standards in Writing.

<b>External</b>		
3.2 90721	Respond critically to written text(s) studied	3 Credits
3.3 90722	Respond critically to Shakespearean drama studied text	3 Credits
3.4 90723	Respond critically to oral or visual text studied	3 Credits
3.5 90724	Respond critically to unfamiliar prose and poetry texts	3 Credits
<b>Internal</b>		
3.1 90720	Produce an extended piece of writing in a selected style	4 Credits
3.6 90725	Construct and deliver an oral presentation	4 Credits
3.7 90726	Complete independent research on a language or literature topic and present findings in written form	4 Credits
Unit Std 8835	Transactional Writing Portfolio	6 Credits

Students may have the opportunity to undertake NCEA Scholarship (Level 4).

**LEADS ON TO:**

University/Tertiary Study/sound basis for professional career.

Many careers require high level communication skills e.g. advertising, journalism, teaching, film and TV industry, speech/language therapy, copywriter, librarian, public relations, editor and publisher, sociologist, lawyer, medicine, Foreign Affairs. Communication careers such as counsellor, social worker, youth worker, diplomatic and related work, industrial relations.

**OPTION COURSE****ENGLISH FOR LITERACY****LEVEL:** Year 13**TIMETABLE CODE:** 13LI**AIM:**

This course is designed for students who need to gain University Entrance literacy requirements, but who have not gained entry to Year 13 English.

**ENTRY LEVEL:** Year 13**PREREQUISITES:** Year 12 English or Year 12 English for Literacy**OBJECTIVES:**

On completing this course, students should be able to:

- write clearly, correctly and interestingly in a variety of genres
- read and analyse a range of texts, both written and visual
- read and respond independently to a range of different texts
- communicate effectively orally

**COURSE CONTENT:**

- comprehension and criticism through close reading of texts
- write in a range of different genres and styles towards a portfolio collection
- study a range of literary works in a variety of genres, understanding connections through common themes

**ASSESSMENT:**

Students will be assessed using Unit Standards. There may be opportunities for individuals to undertake one NCEA Achievement Standard externally.

**Internal**

US8834	Investigate a theme across a range of selected texts and evaluate the outcomes of the investigation	6 credits
US8835	Transactional Writing Portfolio	6 credits
US12432	Read closely and evaluate the effectiveness of static images	3 credits

**LEADS ON TO:**

Many careers require good English skills – e.g. wordprocessing, clerical, library assistant, public relations, travel and tourism, advertising, report writing.

## OPTION COURSE

# FOOD TECHNOLOGY

<b>LEVEL:</b>	Year 13
<b>TIMETABLE CODE:</b>	13FT
<b>ENTRY LEVEL:</b>	Yr 13 - By application
<b>PREREQUISITIES:</b>	Yr 12 Food Technology. An interest in food, catering and hospitality is essential.

### OBJECTIVES:

On completing this course students should have:

- Gained credits for Unit Standards on the National Framework
- A knowledge of safe food practices and kitchen hygiene
- An understanding of nutrition
- Acquired skills in the preparation, cooking and presentation of food
- Developed and adapted foods for all occasions
- Catered for school functions
- Gained experience in the use of appliances
- Developed creativity, confidence, organisational and management skills

### COURSE CONTENT:

The course is based mainly on the Health Curriculum and assessments from 'Home and Life Sciences' and 'Food and Nutrition' fields. The course builds upon the skills developed at Level 2 and provides an opportunity for students to extend the knowledge of Food & Nutrition to a deeper level. Students will critically examine food and nutrition issues at a personal, interpersonal and societal level.

### ASSESSMENT:

- The course has a particular emphasis on developing strategies to address nutrition issues.
- Critical thinking is a key component of the course.
- Assessment is based on successfully completing the unit/achievement standards and submitting assessment on time to achieve the credits.

Unit Standard	Course Title	Level	Credits
6648 Internal	Prepare, Plan and Serve Food for a Special Occasion	3	4
6647 Internal	Provide Nutritious Food for a Person with Altered Food Needs	3	5
6649 Internal	Investigate the Relationship between Food and Lifestyle and the Food and Nutrition Guidelines	3	5
15622 Internal	Develop and Apply an Evaluation for an Activity in Food Technology or Nutrition	3	3

### FOOD TECHNOLOGY UNIT STANDARDS CAN LEAD ON TO:

- Restaurants and cafes - Kitchen and front of house
- Bakeries - Pastry chef
- Tertiary Courses - Hotel Management, Catering & Hospitality, Food Hygiene and Tourism
- Care for the Aged - Rest Homes
- Management of Food Chains
- Careers in Nutrition Studies, Food Technologist, Food Scientists, Registered Nutritionist.

### COURSE FEE:

Due to inflation in the price of food, a fee of **\$50** will be charged per student. ***Because of the large financial input of this course a high level of commitment will be required from the students enrolling.***

**OPTION COURSE****FRENCH****LEVEL:** Year 13**TIMETABLE CODE:** 13FR**AIM:**

To improve competence in language skills to the point where authentic material is understood and studied.

**ENTRY LEVEL:** Year 13**PREREQUISITES:** Year 12 French**OBJECTIVES:**

On completing this course students should be able to:

- read material including works of French literature, French newspaper and magazine articles
- listen to and understand authentic French speech
- present arguments for and against an issue in French
- select and summarise relevant information in French

**COURSE CONTENT:**

Study of selected themes from the curriculum including works of literature and authentic material.

**ASSESSMENT:**

<b>External</b>		
3.1	Listen to and understand complex spoken French in less familiar contexts	6 Credits
3.4	Read and understand French containing complex language in less familiar contexts	6 Credits
3.5	Write a text in French using complex language on a less familiar topic	3 Credits
<b>Internal</b>		
3.2	Give a prepared speech in French using complex language in a formal situation	3 Credits
3.3	Exchange and support ideas in an extended conversation in French using complex language in less familiar contexts	3 Credits
3.6	Write crafted text in French using complex language on a less familiar topic, with the support of resources	3 Credits

**LEADS ON TO:**

- tertiary study in French
- ability to take on another language with confidence
- increased opportunities for travel
- opportunities in tourism, commerce, marketing, hospitality, diplomacy and education

# GATEWAY

St Catherine's College has been contracted by the Tertiary Education Commission to run the Gateway programme for the academic year. This programme enables senior students to participate in structured workplace learning one day a week during the year. The scheme is designed to be flexible and meet the needs of the employer as well as the student and school. There is no cost to the employer or student, other than time. Assistance with travel and suitable work clothes is available.

**LEVEL:** Year 12 and 13

**TIMETABLE CODE:** 13GW

**AIM:**

Gateway is designed to prepare students for meaningful employment beyond school by gaining practical skills in the workplace.

**ENTRY LEVEL:** Year 12 and 13

**PREREQUISITES:**

- Motivation
- Commitment
- Interest in a career in a particular industry

**OBJECTIVES:**

Students will collect a wider range of skills than can be provided at school. Gateway can assist students into full-time employment by gaining industry specific Unit Standards which will lead towards a National Certificate.

**COURSE CONTENT:**

**Practical:** Students will attend a work placement one day a week.

**Theory:** Unit Standards will be offered in the following areas:

- Business Administration
- Community support
- Early Childhood Education
- Hospitality
- Retail
- Tourism

**SELECTION PROCESS:**

Visit the Career Adviser for an application form. Once returned, students will be selected for the course through an interview process.

# GEOGRAPHY

**LEVEL:** Year 13

**TIMETABLE CODE:** 13GE

**AIM:**

The aim of the course is to provide students with a range of skills and learning that will both complement the Year 11 and 12 courses and prepare students for University. The course aim is to show how people and the physical environment interact.

**ENTRY LEVEL:** Year 13

**PREREQUISITES:** Level 2 Geography: minimum of 10 credits.  
If new to subject must have approval of HoD and Level 2 English.

**OBJECTIVES:**

On completing this course students should be able to:

- Understand a natural process in NZ with its causes and effects – Kapiti Coast – coastal processes
- Understand a cultural process at a local, regional, national and international scale: Tourism – Wairarapa and Samoa
- Apply selected geographic ideas to a geographic study
- Apply skills in a geographic study
- Understand how people’s diverse values and perceptions affect the decisions they make

**COURSE CONTENT:**

The study looks at three main topics:

- Natural processes
- Cultural processes
- Research

**Selection of topics include:**

1. Cultural processes
  - a) Tourism
  - b) Wairarapa
  - c) Samoa
  - d) Case studies – Wairarapa, Greytown, Martinborough.
2. Skills and Geographic Ideas in Geography  
As well as this a series of global issues/current issues will be studied.

**ASSESSMENT:**

**Level 3 Achievement Standards**

These will include:

3.1	Coastal processes	4 Credits	<b>EXTERNAL</b>
3.2	Tourism	4 Credits	<b>EXTERNAL</b>
3.4	Apply skills in a geographic context	4 Credits	<b>EXTERNAL</b>
3.6	Analyse a contemporary geographic issue	3 Credits	<b>INTERNAL</b>
3.7	Analyse a topic at a global 3 credits internal scale	3 Credits	<b>INTERNAL</b>

Some unit standards may be available.

There will be two field trips: (1) Kapiti Coast; (2) Wairarapa.

**OPTION COURSE****HEALTH SCIENCE**  
(Level 2)**LEVEL:** Year 13**TIMETABLE CODE:** 13HS**OVERVIEW:**

This course covers aspects of human biology, anatomy and health and is designed for students who want to study nursing or health sciences at tertiary level but will also be of interest to many students who do not want to continue science further but who have an interest in their own health and making good health choices.

This course will be rich in community involvement with visitors from health professionals, class trips to hospitals, laboratories etc. and relationships with mentors from the health field.

The course would also include a 2-3 day first aid course and students would receive a first aid certificate.

**ENTRY LEVEL:** Year 13

**PRE-REQUISITES:** There is no pre-requisite for this course although it would be advantageous for students to have writing credits at Level 1 or be studying ESOL to continue improvement in literacy skills.

**ASSESSMENT:**

This course would consist mostly of internally assessed standards. There would be one externally assessed standard offered to those capable of achieving this. (This external paper is covered in the L2 Biology course and could be attempted the following year if students want to continue their Biology study.)

Paper Code	Level	Paper Title	Context	Credits	Assessment Type
BIO2.1	2	Carry out a practical investigation in a biology context, with supervision	Health and human biology	4	Internal
BIO2.2	2	Analyse the biological validity of information presented to the public		3	Internal
BIO2.3	2	Demonstrate understanding of adaptation of plants or animals to their way of life		3	Internal
BIO2.4	2	Demonstrate understanding of life processes at the cellular level		4	External
BIO2.8	2	Investigate biological material at the microscopic level		3	Internal

# HISTORY

**LEVEL:** Year 13

**TIMETABLE CODE:** 13HI

**AIM:**

- To understand the causes, consequences and explanations of historical events are complex.
- To understand how and why history is contested.
- To understand how trends over time reflect social, economic and political forces.
- To build on the aims studied in Years 11 and 12 History.

**ENTRY LEVEL:** Year 13

**PREREQUISITES:** 16 credits or more, including either Achievement Standard 2.5 or 2.6 in Level 2 History, or with the approval of TIC. If doing the subject for the first time, students must have Level 1 Literacy and 12 credits in Year 12 English.  
*Students will need to widely read books by different New Zealand historians and write essays.*

**OBJECTIVES:**

On completing this course students should be able to recognise the following concerns of the historian:

- the search for broad trends and relationships
- the inadequacy of simplistic explanations
- why history is continually in a state of revision and why there is no 'final' history
- the development of new interpretations and why they come about
- to see where explanations differ, why, and to be able to arrive at some sort of possible synthesis

**COURSE CONTENT:**

Year 13 History course consists of one year-long topic:

- a broad survey of history covering nineteenth century New Zealand: c. 1800-1900.

**ASSESSMENT:**

**Internal**

3.1	Plan and carry out independent historical research	4 Credits
3.2	Communicate and present historical ideas clearly to show understanding of an historical context	5 Credits

**External**

3.3	Analyse and evaluate evidence in historical sources	5 Credits
3.4	Examine a significant decision made by people in history, in an essay	5 Credits
3.5	Examine a significant historical situation in the context of change, in an essay	5 Credits
	<b>Total</b>	<b>24 Credits</b>

**LEADS ON TO:**

Employers value History students' skills in information gathering and sorting, writing effectively and in thinking clearly, critically and imaginatively.

Jobs include: government, journalism, education, policy analysts, law and historian.

**OPTION COURSE****MATHEMATICS****WITH CALCULUS  
(NCEA Level 3)****LEVEL:** Year 13**TIMETABLE CODE:** 13MC**AIM:**

To provide a course particularly for students intending to study physical life sciences, at high levels; or engineering and other building related sciences; or post-graduate work in most sciences.

**ENTRY LEVEL:** Year 13

**PREREQUISITES:** Pass in Mathematics AS2.1 Algebra, AS2.2 Graphs, AS2.3 Calculus, and 2.4 Geometry, or by discussion with HoD Merit in Achievement Standard 2.1 is preferable

**OBJECTIVES:**

On completing this course students should be able to:

- demonstrate mathematical skills, concepts & understandings in Mathematical Processes, Measurement & Calculus, Geometry & Algebra curriculum strands
- apply these to familiar and unfamiliar problems in real and simulated situations
- show the ability to reason logically & systematically
- show the ability to communicate mathematical ideas

**COURSE CONTENT:**

- Differentiation - concepts of rate and change
- Integration – areas under a curve
- Differential Equations and modelling eg. inflation, investment
- Algebra, including Complex Numbers
- Trigonometry
- Geometry, Conic Sections

*Problem solving will be part of all topics.*

**ASSESSMENT:****External**

3.1	Differentiate functions and use derivatives to solve problems	6 Credits
3.2	Integrate functions and solve problems by integration, differential equations or numerical methods	6 Credits
3.4	Manipulate real and complex numbers, and solve equations	5 Credits
3.5	Sketch graphs and find equations of conic sections	3 Credits

**Internal**

3.3	Solve problems and equations involving trigonometric functions	4 Credits
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**CAREERS:**

Engineering	Accountant	Stockbroker
Psychologist	Economist	Biological
Scientist	Planner	Optometrist
Computing	Landscape Architect	

**EXTRA DETAILS:** An acceptable graphics calculator is strongly recommended (e.g. Casio FX97509)

**OPTION COURSE****MATHEMATICS****STATISTICS & MODELLING  
(NCEA Level 3)****LEVEL:** Year 13**TIMETABLE CODE:** 13MS**AIM:**

To provide students with an understanding of the basic concepts, skills and understandings of statistics, often used in social sciences, research, biological sciences, humanities.

**ENTRY LEVEL:** Year 13

**PREREQUISITES:** Pass in Mathematics AS2.1 Algebra, AS2.2 Graphs, AS2.5 Sampling and 2.6 Probability, or by discussion with HoD Mathematics

**OBJECTIVES:**

On completing this course students should be able to:

- demonstrate mathematical skills, concepts and understandings in Mathematical Processes, Measurement, Algebra and Statistics strands of the NZ Curriculum
- apply these to familiar and unfamiliar problems in real and simulated situations
- demonstrate the ability to select and use appropriate mathematical statistical and probability techniques

**COURSE CONTENT:**

- Statistics**
- plan, undertake and present results for a statistical investigation
  - investigate and analyse time series data
  - explain basic terms and concepts of probability
  - develop Calculus ideas of rate and change
  - develop algebra skills of equations & graphs, including modelling

*Problem solving will be part of all topics.*

**ASSESSMENT:****External**

3.2	Calculate confidence intervals for population parameters	3 Credits
3.3	Solve straightforward problems involving probability	4 Credits
3.4	Solve equations	4 Credits
3.6	Use probability distribution models to solve straightforward problems	4 Credits

**Internal**

3.1	Determine the trend for time series data	3 Credits
3.5	Complete a statistical investigation involving bi-variate data	3 Credits
3.7	Use mathematical models involving curve fitting to solve a problem	3 Credits

**CAREERS:** Civil Engineer; Valuer Bacteriologist  
Accountant Actuary Banking & Finance Officers  
Biotechnologist Psychologist Economist  
Statistician

and most Science, Electronics, Mathematics, Sociology and Psychology courses at tertiary level recommend Maths at Year 13.

**EXTRA DETAILS:**

- An acceptable graphics calculator is **compulsory** (e.g. Casio FX77509).
- Access to a computer with spreadsheets is recommended.
- Students are required to pay \$25 to purchase a write-on homework book.

## OPTION COURSE

# MEDIA STUDIES

**LENGTH OF COURSE:** 1 Year

**TIMETABLE CODE:** 13MD

**AIM:**

Media Studies students gain knowledge, skills and attitudes about the role and influence of the media in society. They will investigate specific issues and examples of media and develop the skills to produce innovative print (journalism skills) and visual media (video/television/film). A student completing this course will gain credits towards NCEA Level 3, at the same time as producing authentic media examples towards a portfolio.

**ENTRY LEVEL:** Year 13

**PREREQUISITES:** At least 12 credits of Yr 12 English (or with discretion of HOD). Students must have a creative ability with a strong work ethic.

**OBJECTIVES:**

On completing this course students should be able to:

- Demonstrate knowledge of the role of media in society (newspapers, television, radio, film, video)
- Apply skills to produce authentic media exemplars (e.g. short film, school newspaper, etc.) – at least one media area
- Use multimedia applications to assist in research and assignment work
- Demonstrate a mature and evaluative attitude to various media forms.

**COURSE CONTENT:**

▶ **Skills**

Non-linear video editing  
Visual document design and production  
Film production techniques  
Producing a range of audience-appropriate text

▶ **Knowledge**

Basic concepts of film production  
Basic concepts of print media production  
History of the role of media in society

▶ **Attitudes**

Recognition of the influence of media in society  
Applying mature, critical evaluation to a range of media

**ASSESSMENT**

- Ongoing class work
- Three major internal assignments (visual production and two individual research assignments)
- NCEA Level 3 Media Studies

**Level 3 Achievement Standards are used**

- Some Unit Standards may be offered

<b>External</b>		
AS90599 3.1	Demonstrate understanding of a specific media industry	4 credits
AS90602 3.4	Explain the relationship between a media genre and society.	4 credits
<b>Internal</b>		
AS90600 3.2	Explain how meaning is created in media texts	4 credits
AS90604 3.6	Complete and justify a concept and treatment for a media product	2 credits
AS90606 3.8	Create a media product using appropriate media technology	6 credits
AS90779 3.3	Investigate an aspect of media and explain its significance for NZ	4 credits

**LEADS TO:** Tertiary study  
Career paths in journalism, television, film and video production

**OPTION COURSE****MUSIC****LEVEL:** Year 13**TIMETABLE CODE:** 13MP**AIM:**

To foster musical achievement through the analysis, description, transcription, arrangement, creation, and performance of music, providing students with a balanced and fulfilling course that will prepare them for tertiary study.

**PREREQUISITES:**

Students must satisfy one of the following criteria:  
Year 12 Music or Grade 5 in Theory or Performance

**OBJECTIVES:**

The outcome of this course will be dependent on the course the student selects. This could include:

- analyse and describe set works using specific musical terminology
- perform and interpret contrasting pieces of music using appropriate presentation skills
- compose more sophisticated pieces of music
- create an arrangement from a piano score or jazz fake book
- describe and transcribe more complex rhythms and melodies
- identify, describe and analyse musical scores
- manage and mentor a student ensemble

**COURSE CONTENT AND ASSESSMENT:**

Students may choose to take unit standards and achievement standards from Making Music (MM) and/or Music Studies (MS) enabling them to take standards that are relevant to their strengths and also future studies.

Level 3 Achievement Standards used:

Aspect	Description	Achievement Standard No.	Achievement Standard Title		Credits & Assessment
<b>Performance</b>	Performance of pieces studied in instrumental / vocal lessons and developed in class.	90526	MM 3.1	Present a performance of a programme of music as a member of a group	4 credits Internal
		90776	MM 3.7	Prepare and present performances of music as a featured soloist	8 credits Internal
<b>History of Music</b>	The study of music within historical and cultural settings where a high level of analysis is undertaken. Presentations are used to show students' knowledge of the works.	90497	MS 3.2	Examine the contexts that influence the expressive qualities of music	3 credits Internal
		90498	MS 3.3	Compare and contrast music works	8 credits External
		90499	MS 3.4	Research and present a music topic	6 credits Internal



**OPTION COURSE****PHYSICAL EDUCATION****LEVEL:** Year 13**TIMETABLE CODE:** 13PE**AIM:**

The course should:

- have a strong emphasis on learning through participation in a variety of physical activities
- emphasise the acquisition and development of physical skills
- develop a knowledge and understanding of the principles that influence acquisition and performance of physical skills
- examine relationships between physical activity and lifestyle and well being
- provide opportunities for students to develop personal and social skills and attitudes that contribute to a healthy lifestyle.

**ENTRY LEVEL:** Year 13**PREREQUISITES:**

The completion of the NCEA Level 2 PE 18 credits with at least 12 at Merit or above.

**Or** If the student did not take NCEA Level 2 PE, then they must have at least 12 credits in English and Science. Entry will also be at the discretion of the Head of Department for Physical Education. Students must have a commitment to a school sports team.

**ASSESSMENT**

Number	Title	Credits	Assessment Type
AS90739	Apply knowledge to plan a physical activity programme or experience	3	Internal
AS90740	Explain the effectiveness of a physical activity and its influence on hauora and well-being	3	Internal
AS90741	Examine physical activity and take action to influence the participation of others	5	Internal
AS90742	Appraise performance and review a programme for performance improvement, for self and others	6	Internal
AS90743	Perform a physical activity to nationally developed performance standards	5	Internal
AS90744	Examine a current physical activity event or trend or issue, impacting on New Zealand society	4	Internal

**LEADS ON TO:**

Physical Education Teacher, Sports Education, Physiotherapy, Medicine, Sports Science, Gymnasium work, Personal Trainers, Recreation Officers, Dancer, Dietician/Nutritionist, Journalist (sport), Navy, Park Ranger/Manager, Registered Nurse, Tertiary Teacher.

**OTHER DETAILS:**

As there is a need to use the pool and gym and provide students with a large amount of photocopied material there will be a course fee of \$60.00.\* (\* This fee must be paid by Term 2)

**OPTION COURSE****PHYSICS****LEVEL:** Year 13**TIMETABLE CODE:** 13PH**AIM:**

Year 13 Physics builds on the concepts of Year 12 Physics and equips students for the NCEA Level 3 Achievement Standards. It also provides an interesting course of study of the physical world for general educational interest and career advancement.

**ENTRY LEVEL:** Year 13

**PREREQUISITES:** 12 or more Level 2 Physics credits (including Physics 2.4 and Physics 2.6).  
Other students may be considered at the discretion of the HoD Science.

**OBJECTIVES:**

On completing this course students should be able to:

- understand the concepts and principles of Physics and their use in familiar and unfamiliar situations
- demonstrate the skills of investigation, problem solving, experimentation and communication
- link the Physics learned with applications, technologies and the lives of people

**COURSE CONTENT:**

The Year 13 course concentrates more on practical work and the understanding of ideas rather than solving problems mathematically. The course covers motion (including rotational and simple Harmonic motion) waves, electromagnetism (complex circuit analysis and alternating current theory) and atomic Physics.

**ASSESSMENT:**

90774	Carry out a practical Physics experiment that leads to a mathematical relationship	5 credits	INTERNAL
AS3.3 90520	Demonstrate understanding of wave systems	4 credits	EXTERNAL
AS3.4 90521	Demonstrate understanding of mechanical systems	6 credits	EXTERNAL
AS3.5 90522	Demonstrate understanding of atoms, photons and nuclei	3 credits	EXTERNAL
AS3.6 90523	Demonstrate understanding of electrical systems	6 credits	EXTERNAL

24 credits

**LEADS ON TO:** A wide range of technical and scientific courses at Polytechnics and Universities. Physics is a pre-requisite for many science based career options. (See Year 12 Physics)

**OTHER DETAILS:** Students are required to have a graphic calculator and purchase a workbook containing write-on exercises and worksheets at a cost of approximately \$30.00.

## CORE COURSE

# RELIGIOUS STUDIES

**LEVEL:** Year 13

**TIMETABLE CODE:** 13RE

**AIM:**

The Religious Education Department takes as its philosophy that St Catherine's College is founded on the belief in:

- The sacredness, uniqueness and developing nature of the human person
- The Person and Gospel of Jesus Christ
- The intrinsic worth of the living Catholic tradition embodied in the Church
- The value of a community of staff, students and parents searching together to integrate culture and faith with every day living.

Religious Education classes follow the National Scheme, "Understanding Faith" prepared by the National Centre for Religious Studies.

**ENTRY LEVEL:** Year 13

**PREREQUISITES:** Achievement in two Level 2 RE or EP Achievement or Unit Standards

**OBJECTIVES:**

On completing this course students should be able to:

- Develop knowledge and understanding of the mystery of God and of Jesus Christ, of the Church and of the central beliefs which Catholics hold.
- Develop awareness and appreciation of Catholic belief, understanding of its impact on personal and social behaviour and of the vital relationship between faith and life, life and faith.
- Encourage study, investigation and reflection by the pupils.
- Develop appropriate skills: for example, ability to listen; to think critically, spiritually, ethically and theologically; to acquire knowledge and organise it effectively; to make informed judgements.
- Foster appropriate attitudes: for example, respect for truth; respect for the views of others; awareness of the spiritual, of moral responsibility of the demands of religious commitment in everyday life and especially the challenge of living in a multicultural, multifaith society.

**COURSE CONTENT:**

Current Religious Issues  
Biblical Studies  
Sects, Cults, and New Religions  
Social Justice – a practical project

**ASSESSMENT:**

Students are assessed against Achievement Standards. Three topics are selected from the course content section and students are assessed by Achievement Standards. Those students who successfully pass two standards at Level 2 will be allowed, as of right, to do Level 3 standards. In other cases, entry to Year 13 would be at the Director of Religious Studies' discretion.

**LEADS ON TO:** Tertiary Qualifications in Humanities. Careers in Diplomatic Corp., Architect, Psychologist, Public Relations, Teaching, Researching, Nursing, Journalism, Social Work, Film/T.V. Producing, Religious Life.

**CORE COURSE****TOURISM****LEVEL:** Year 13**TIMETABLE CODE:** 13TO**AIM:**

This course introduces students to Travel and Tourism by giving them an understanding of many parts of this industry. Students will study the different work roles in this important sector of the New Zealand economy and gain an understanding of employment opportunities in this growing industry.

**ENTRY LEVEL:** Year 13**PREREQUISITES:** There are no prerequisites**OBJECTIVES:**

On completion of this course students will have:

- Improved communication and information skills suitable for customer service roles.
- Tourism knowledge – trips to hotels and tourism providers are planned.
- Increased geographic knowledge.
- Awareness of training providers for further tourism studies.

**COURSE CONTENT:**

- Subject is non-accredited, i.e. credits do not contribute to University Entrance.
- Course is self-directed using workbooks.

**ASSESSMENT:**

Standard	Standard Name	Credits	Assessment Method
24728	Demonstrate knowledge of work roles in tourism	3 Credits	Internal
24729	Demonstrate knowledge of world tourist destinations	4 Credits	Internal
24730	Demonstrate knowledge the business of tourism	4 Credits	Internal
24731	Demonstrate knowledge of destination New Zealand	4 Credits	Internal
24732	Demonstrate knowledge of tourist characteristics and needs	3 Credits	Internal
18211	Demonstrate knowledge of Australia as a tourist destination	10 Credits	Internal
3727	Demonstrate knowledge of the Pacific Islands as a tourist destination	10 Credits	Internal

**NOTE:** This course is made up of Level 2 and Level 3 credits.**LEADS TO:**

Further study at Tourism Colleges; entry level jobs in the tourism industry.

**ART HISTORY can be taken as a Correspondence School course at Year 13 level.**

### **ART HISTORY 303**

While this course is obviously suited particularly to Practical Art students for assisting in their "knowing about art", it is not simply "*art appreciation*". It is valuable to anyone interested in the History of "Ideas", - studying intellectual and social history through the evidence of the visual culture the societies produced. Students do not have to have done Level 2 History of Art, though will need the same academic skills required for the Level 3 study of subjects such as English, History, or Classical Studies.

### **DRAMA**

**Drama is offered at St Patrick's College subject to places being available.**

### **DRAMA 303 NCEA Level 3**

**Prerequisites for entry:** Level 2 NCEA – or at HOD's discretion.

### **LANGUAGES**

**Languages at St Patrick's College**

**SUBJECT:** Maori, Samoan  
Other languages, e.g. Japanese, may be available from the Correspondence School.

**PREREQUISITES:** To study language by Correspondence students must have an established link with the language, either through previous study or experience.  
Also students must be self-motivated and have a history of excellent time management.

## **KO NGĀ HOTAKA MĀORI – MĀORI LANGUAGE COURSE OUTLINES (SPC)**

<b>Course Title:</b>	<i>Te Reo Rangatira</i> – Year 13
<b>Course Code:</b>	13MR
<b>Prerequisites:</b>	12 credits from Level 2 Te Reo Maori
<b>Aim:</b>	To develop listening, reading, writing and speaking skills in Te Reo Maori and to extend understanding of, and sensitivity to, Nga Tikanga Maori (Maori culture) and Te Ao Maori (the Maori world)
<b>Content:</b>	The course covers topics such as kawa, waiata tawhito me nga take Maori I roto I tea o hurihuri. You will gain a deeper understanding and appreciation of tikanga and Te Reo Maori. You will also be able to participate in a variety of aspects of Te Ao Maori such as whaikorero, waiata, kapa haka and manu korero.
<b>Assessment:</b>	NCEA Level 3 Achievement Standards
<b>Leads on to:</b>	Tertiary study of Maori.  Degrees and Diplomas in Maori, Research, Political Studies, History
<b>Careers:</b>	Interpreter, Teacher, Policy Analyst, Diplomat, Researcher, Journalism and Tourism

## St Catherine's College Option lines 2012

Option A	Option B	Option C	Option D	Option E	Option F
<b>Level 3 Courses – required course for Year 13 students: Religious Education</b>					
<b>[Choose 5 subjects]</b>					
English	Biology	Religious Studies	History	Chemistry	English for Literacy*
Health Science	Digital Technology*		Geography	Digital Design*	Classical Studies
Photography *	Academic English*NESB		Statistics and Modelling	French	Mathematics with Calculus
Physics	Food Technology		Tourism	Gateway*	Media Studies
	Painting*			Physical Education	Music*

<b>Level 2 Courses – required courses for Year 12 students: English (or English for Literacy), Religious Education (or Ethics and Philosophy)</b>					
<b>[Choose 4 subjects]</b>					
Economics	Digital Technology*	Accounting	Chemistry	Digital Design *	Physical Education
Health Science	English	Biology	English for Literacy*	English	English for Literacy*
Geography	French	History	Ethics and Philosophy	Gateway*	Food Technology
Media Studies	Painting*	Religious Education	Mathematics	Physics	Mathematics
Photography*	Religious Education				Music
	Academic English* NESB)				

<b>Level 1 Courses - required courses for Year 11 students; English, Mathematics, Science, Religious Education/Physical Education</b>					
<b>[Choose 2 subjects]</b>					
French	Accounting	Applied Mathematics	Art	History	Science
Digital Technology	Religious Education/Physical Education	English	Economics	Mathematics	
Religious Education/Physical Education	Geography	Mathematics	English	Religious Education/Physical Education	Science 2 (internal)
	Music		English for Literacy*	ESOL	

\*indicates the class will be taught at two or more levels.

The following course are likely to be offered at St Patrick's College: Te Reo Maori Level 1,2,3; Samoan Level 1,2,3; Classical Studies Level 2, Drama Level 2; Accounting Level 3; Economics Level 3; Graphics Design Level 1, 2,3. Option lines are unknown at this stage. Please indicate on your selection sheet if you wish to study one of these courses.

## Senior Course Selection for 2012

Surname: \_\_\_\_\_

First Name: \_\_\_\_\_

Subjects taken this year: \_\_\_\_\_

**Intention for 2012 (please tick boxes and give other information if needed):**

- I will be returning to school for year 11/12/13 (circle)
- I may be returning to school
- I am definitely leaving school

If leaving, give details of intended school, course or workplace \_\_\_\_\_

Please fill in your option choices using the grid on the attached sheet. It is hoped that there will be less option clashes this way. Refer to your course information booklet for detail of each course. If there is a prerequisite for the course you wish to study you are advised to consult the HOD concerned.

	Option A	Option B	Option C	Option D	Option E	Option F
First choice						
Second choice						
Third choice						

List any courses you may be interested in studying at St Patrick's College:

\_\_\_\_\_

Career Intentions (if known):

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

Qualifications I wish to gain in 2012: \_\_\_\_\_

**This form should be signed and returned to the College Office by Friday, 7 October 2011.**

Signature of Parent or Caregiver: \_\_\_\_\_ Date: \_\_\_\_\_