



Saint Patrick's College
Senior Course Selection
2016

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General Information

KEY MESSAGES:

Set goals, and plan your success...

Students must set academic and career goals and work towards these. It is essential that students plan their academic pathways through St Patrick's so that they can achieve their career goals. Take the time to find out about careers that you might be interested in, together with what subjects and qualifications you need to enter these careers.

Challenge yourself...

It is important to choose subjects for the right reasons. It is often better to choose more challenging subjects in order to achieve the career that you really want rather than taking easier options that will not.

Take responsibility for your achievement...

Students should take responsibility for planning their career pathways while at St Patrick's College, and working to achieve the prerequisites for the subjects that they want to take. Making the right subject choices for the right reasons will help students enter the careers that they want.

NATIONAL CERTIFICATE OF EDUCATIONAL ACHIEVEMENT:

NCEA Level 1

NCEA Level 1 requires 80 credits. Of these at least 10 credits must be from literacy standards and at least 10 credits must come from numeracy standards.

NCEA Level 2

NCEA Level 2 requires 80 credits, 60 of which must be from Level 2 standards. 20 of these credits can be transferred from credits earned previously at Level 1.

NCEA Level 3

NCEA Level 3 requires 80 credits, 60 of which must be from Level 3 standards. 20 of these credits can be transferred from credits earned previously at Level 2.

ENDORSEMENT CERTIFICATES:

For up-to-date information on Endorsements visit:

<http://www.nzqa.govt.nz/qualifications-standards/qualifications/ncea/understanding-ncea/how-ncea-works/endorsements/>

UNIVERSITY ENTRANCE:

For current information on University Entrance (UE) please visit: <http://www.victoria.ac.nz/study/careers-advisers/guide-to-ncea.pdf>

For information on career pathways please visit:

<http://www.careers.govt.nz/>

NAMING OF COURSES:

The 102, 203, 304 courses are the mainstream programmes in the College. They comprise a mix of internally and externally assessed Achievement Standards. These courses are more academic and are designed to enable students to continue with these subjects as they go up through the College.

The alternative courses are the 101, 202 and 303 courses. Some of these courses are Unit Standard courses and some use Achievement Standards, but they mostly have no external assessments. These courses often have a more practical component. They are designed for students that require Standards in a subject, but have not met subject prerequisites for entry to the mainstream courses.

MULTI-LEVEL STUDY:

The timetable structure of the College allows students to study at different levels in the senior school. You are encouraged to take advantage of this flexible arrangement if you are a Year 12 or 13 student, as it means you can study at a level where you are most likely to be successful.

ENTRY TO YEAR 12 AND YEAR 13 COURSES

To be allowed to study a subject at Year 12 or Year 13 level you must satisfy the Head of Department of that subject of your ability to handle the subject at the next level. This will be shown by your commitment to work in the preceding level and by reaching a required standard. The prerequisites you have to meet for each subject are shown under each subject later in this booklet.

Note: Any variation to the above requirements will only be made in consultation with the Head of Department of the subject concerned and at the discretion of the Assistant Rector. If you wish to take a subject for which you do not meet the prerequisites you should discuss this first with the Head of Department.

YEAR 11 PROGRAMME:

As part of their courses all Year 11 students must take:

1. Religious Education 102
2. English 102 or English 101 or English 100
3. Science 102 or Science 101
4. Mathematics 102 or Mathematics 101 or Mathematics 100
5. TWO other option subjects
6. Physical Education 100 (not assessed toward NCEA).

YEAR 12 PROGRAMME:

Students choose a Year 12 course of SIX SUBJECTS which can be selected from Year 11 and Year 12 courses outlined in this booklet, for which you meet the prerequisites. The majority of students should endeavour to select 203 courses where they meet the subject prerequisites. Students can select alternative 202 courses that suit their learning needs, or repeat Year 11 courses. An English course and Religious Education are compulsory. It is advised that students consider taking Mathematics at this level also.

YEAR 13 PROGRAMME:

Students choose a Year 13 course of SIX SUBJECTS which can be selected from Year 12 and Year 13 courses outlined in this booklet, for which you meet the prerequisites. The majority of students should endeavour to select 304 courses where they meet the subject prerequisites. Students can select alternative 202 or 303 courses that suit their learning needs, or repeat Year 12 courses. Religious Education is compulsory.

Curriculum Flow Chart 2016

Year 9	Year 10	Year 11	Year 12	Year 13
Religious Education (compulsory)	Religious Education (compulsory)	Religious Ed 102 (compulsory)	Religious Ed 203 (compulsory)	Religious Ed 304 (compulsory)
English (compulsory)	English (compulsory)	English 100/101/102 (compulsory)	English 202/203 (compulsory)	English 303/304
	Drama			Drama 304
			Media Studies 203	Media Studies 304
EL	EL	EL 100	EL 200	EL 300
Mathematics (compulsory)	Mathematics (compulsory)	Mathematics 100/101/102 (compulsory)	Mathematics 202 Mathematics with Calculus 203	Mathematics with Calculus 304
			Statistics 203	Stats & Modelling 304
Science (compulsory)	Science (compulsory)	Science 101/102 (compulsory)	Science 202 Biology 203 Chemistry 203 Physics 203	Biology 304 Chemistry 304 Physics 304
Social Studies (compulsory)	Social Studies (compulsory)	Geography 102	Geography 203	Geography 304
History	History Geography	History 102	History 203	History 304
			Classical Studies 203	Classical Studies 304
				Tourism 303
Phys Ed (compulsory)	Phys Ed (compulsory)	Phys Ed 102	Phys Ed 203	Phys Ed 304
			Outdoor Ed 203	Outdoor Ed 304 Outdoor Leader 303
Economics & Business Studies	Economics & Business Studies	Economics 102	Economics 203	Economics 304
		Accounting 102	Accounting 203	Accounting 304
Design & Vis.Com. (Graphics)	Design & Vis.Com. (Graphics)	Design & Vis.Com. (Graphics) 102	Design & Vis.Com. (Graphics) 203	Design & Vis.Com. (Graphics) 304
Technology (compulsory)	Technology	Technology 102	Technology 203	Technology 304
		Programming 102		
			Automotive 202	
			Building 202	
Art (compulsory)	Art	Art 102	Art Practical 203	Art Practical 304 Art Design 304
			Digital Design 200 St Catherine's	Digital Design 300 St Catherine's
French	French	French 102	French 200	French 300
			Fashion 200/300	Fashion 200/300
			Food & Nutrition 200	Food & Nutrition 300
Te Reo Maori	Te Reo Maori	Te Reo Maori 102	Te Reo Maori 203	Te Reo Maori 304
Samoan	Samoan	Samoan 102	Samoan 203	Samoan 304
		Computing 101	Computing 202	Computing 303
Music (compulsory) Music Performance	Music Performance	Music 102	Music 203	Music 304
			Future Careers 202	Future Careers 202
			Gateway 202/303	Gateway 202/303

Please note: Where a course has multiple levels (e.g. Science 102/101/100) HODs will consult with teaching staff to determine the appropriate class for students

Accounting

Level: 1

Code: AC102

Course Information: The Year 11 Accounting course provides an introduction to financial decision making, accounting processes and the preparation and analysis of financial statements. The course provides students with an understanding of record keeping and personal budgeting which is ideal for any students thinking of owning their own business. Preparation and analysis of financial statements enables students to comprehend how a business has performed over the years drawing on their analytical skills. Students are also introduced to financial vocabulary which is commonly used in business settings.

Prerequisites: None

Required for: Level Two Accounting

Credits: 21 (12 Internal, 9 External)

Cost: \$25 (Workbook)

Standard	Title	Credits	Internal/External
AS90977	Process financial transactions for a small entity	5	Internal
AS90978	Prepare financial statements for sole proprietors	5	External
AS90980	Interpret accounting information for sole proprietors	4	External
AS90981	Make a financial decision for an individual or group	3	Internal
AS90982	Demonstrate understanding of cash management for a small entity	4	Internal

Accounting

Level: 2

Code: AC203

Course Information: The Year 12 Accounting course provides an introduction to financial decision making, types of business and the preparation and analysis of financial statements. The course provides students with an understanding of the various processes within a business relating to recordkeeping and the overall impact this has on a business' ongoing operations. Preparation and analysis of financial statements enables students to comprehend how a business has performed over the years, drawing on their analytical skills. Students are also introduced to financial vocabulary which is commonly used in business settings.

Prerequisites: 14 Level 1 Accounting credits

Required for: Level Three Accounting

Credits: 19 (10 Internal, 9 External)

Cost: \$25 (Workbook)

Standard	Title	Credits	Internal/External
AS91175	Demonstrate understanding of accounting processing using accounting software	4	Internal
AS91176	Prepare financial information for an entity that operates accounting subsystems	5	External
AS91177	Interpret accounting information for an entity that operates accounting subsystems	4	External
AS91179	Demonstrate understanding of an accounts receivable subsystem for an entity	3	Internal
AS91386	Demonstrate understanding of an inventory subsystem for an entity	3	Internal

Accounting

Level: 3

Code: AC304

Course Information: The Year 13 Accounting course prepares students for tertiary study or an Accounts Clerk role within a business. The course primarily deals with the preparation of financial statements and accompanying notes. Students further their analytical skills by analysing and interpreting the accounts of a company on the New Zealand Stock Exchange. Management decision making, including product mix, and controlling costs in a manufacturing environment are also included in this course which should appeal to all future CEO's and Managers.

Prerequisites: 14 Level 2 Accounting credits

Credits: 22 (13 Internal, 9 External)

Cost: \$28 (Workbook)

Standard	Title	Credits	Internal/External
AS91406	Demonstrate understanding of accounting for partnerships	4	Internal
AS91406	Demonstrate understanding of company financial statement preparation	5	External
AS91407	Prepare a report for an external user that interprets the annual report of a NZ reporting entity	5	Internal
AS91408	Demonstrate understanding of management accounting to inform decision making	4	External
AS91409	Demonstrate understanding of a job cost subsystem for an entity	4	Internal

Art

Level: 1

Code: AR102

Course Information: The Year 11 Art course develops students' skills and confidence in drawing, painting, printmaking and in creating mixed media and three dimensional works. Students learn how to research and recognise that art works contain value that is associated with the time and the culture in which it was made and that the way work is valued may change over time. This course develops students' creativity, ability to observe, describe and to initiate their ideas. They will generate, develop and resolve visual ideas through analysis, evaluation and perception.

Prerequisites: High levels of achievement in Year 10 Art or at the discretion of the HOD.

Required for: Year 12 Practical Art.

Credits: 26 (14 Internal, 12 External)

Cost: \$50 (Materials fee)

Standard	Title	Credits	Internal/External
AS90914	Use drawing methods and skills to record information in wet and dry media.	4	Internal
AS90915	Use drawing conventions to develop work in more than one field of practice.	6	Internal
AS90916	Produce a body of work informed by established practice, which develops ideas, using a range of media.	12	External
AS90917	Produce a finished work that demonstrates skills appropriate to cultural conventions.	4	Internal

Practical Art

Level: 2

Code: AR203

Course Information: In this course students use art-making procedures such as drawing, painting, printmaking, sculpture and photography to investigate, clarify and resolve the art making ideas of given artists as well as in the production of their own work. Students are encouraged to explore their personal interpretations on a given theme and are expected to build a confident awareness of the uses for specific materials and resources. For the external assessment students choose either painting or printmaking.

Prerequisites: The achievement of Art in Year 11 or at the discretion of the HOD.

Required for: Year 13 Practica Art and Art Design.

Credits: 20 (8 Internal, 12 External)

Cost: \$50 (Materials fee)

Standard	Title	Credits	Internal/External
AS91311 or AS91313	Use drawing methods to apply knowledge of conventions appropriate to painting or printmaking.	4	Internal
AS91316 or AS91318	Develop ideas in a related series of drawings appropriate to established painting or printmaking practice.	4	Internal
AS91321 or AS91323	Produce a systematic body of work that shows understanding of art making conventions and ideas with painting or printmaking.	12	External

Practical Art

Level: 3

Code: AP304

Course Information: In this course students use art-making procedures such as drawing, mixed media and painting, printmaking, sculpture and photography to investigate, clarify and resolve the art making ideas of given artists as well as in the production of their own work. Students choose their own theme and spend the year developing solutions by researching, drawing and then producing a body of painted or printed work that shows extensive knowledge of appropriate art making conventions. Students have the opportunity to select which External standard (paint or print) they will work on. To gain a university entrance the Painting or Printmaking folio produced **MUST** be of an Achieved grade or higher.

Prerequisites: Study and completion of Practical Art in Level 2 or at the discretion of the HOD.

Required for: Tertiary Study. U.E Approved and Endorsement and Scholarship available.

Credits: 26 (12 Internal, 14 External)

Cost: \$50 (Materials fee)

Standard	Title	Credits	Internal/External
AS91441 or AS91443	Analyse methods and ideas from established painting or printmaking practice.	4	Internal
AS91446 or AS91448	Use drawing to demonstrate understanding of conventions appropriate painting or printmaking.	4	Internal
AS91451 or AS91453	Systematically clarify ideas using drawing informed by established painting or printmaking practice.	4	Internal
AS91456 or AS91458	Produce a systematic body of work that integrates conventions and regenerates ideas within painting or printmaking practice.	14	External

Art Design

Level: 3

Code: AD304

Course Information: Students complete two related Internal Assessments that feed into the External Assessment. Students will create a brief that interests them and design outcomes for it. They develop original solutions by researching, drawing and producing finished work that shows extensive knowledge of recent design practice. Students will use computers to design for their personalised projects and learn how to use the adobe creative suite programs – Illustrator, Photoshop and InDesign. The purchase of this software for home is invaluable and those without will require additional use of school computers, outside of allocated class time.

Credits: 8 internally assessed. 14 externally assessed. Note: to count this subject for University entrance a student must gain 14 credits. There is one assessment opportunity for each standard. Work must be submitted by the due date. Late work will not be marked.

Prerequisites: Study of Practical Art or Graphics at Year 12 or at the discretion of the HOD.

Required for: Tertiary Study. U.E Approved and Endorsement and Scholarship available.

Credits: 22 (8 Internal, 14 External)

Cost: \$60 (Materials)

Standard	Title	Credits	Internal/External
AS91445	Use drawing to demonstrate understanding of conventions appropriate to design.	4	Internal
AS91450	Systematically clarify ideas using drawing informed by established design practice.	4	Internal
AS91455	Produce a systematic body of work that integrates conventions and regenerates ideas within design practice.	14	External

Automotive

Level: 2

Code: AU202

Course Information: Students learn about how 2 stroke and 4 stroke engines and basic systems on a motor vehicle function. They work collaboratively on go kart or pocket bike projects to learn about how components and systems are integrated into a functioning vehicle. Students are required to design and fabricate components using engineering equipment. Safety reasons mean that numbers must be restricted in the workshop and garage to 14.

For detailed course information, visit the course [website](#)

Prerequisites: None

Required for: Useful for Automotive and Engineering tertiary trade study

Credits: 18 (all internal - no course endorsement possible)

Cost: \$30 (Course Fee)

Standard	Title	Credits	Internal/External
US2430	Draw and interpret engineering sketches under supervision	4 credits	Internal
US2430	Assemble mechanical components under supervision	2 credits	Internal
US20917	Demonstrate basic knowledge of engineering materials	2 credits	Internal
AS91356	Develop a conceptual design for an outcome	6 credits	Internal
US2395	Select, use, and care for, engineering hand tools	4 credits	Internal

Biology

Level: 2

Code: BI203

Course Information: The course is both practical and theoretical. It covers genetics, gene expression, cell biology and an investigation into the ecology of a Rocky Shore. This is a useful ground for a large cross section of careers and disciplines, as diverse as Medicine, Law, and Food Technology.

Prerequisites: From SC102: 12 external credits
From SC101: Merit or higher in the Biology paper

Required for: L3 Biology

Credits: 20 (8 Internal, 12 External)

Cost: \$45 (Textbook and workbook)

Standard	Title	Credits	Internal/External
AS91153	Carry out a practical investigation in a biology context, with supervision	4	Internal
AS91156	Demonstrate understanding of life processes at the cellular level	4	External
AS91157	Demonstrate understanding of genetic variation and change	4	External
AS91159	Demonstrate understanding of gene expression	4	External
AS91158	Investigate a pattern in an ecological community, with supervision	4	Internal

Biology

Level: 3

Code: BI304

Course Information: The course is both practical and theoretical. It covers genetics and evolution in considerable depth. It also covers plant and animal behaviour. This is a useful ground for a large cross section of careers and disciplines, as diverse as Law and Food Technology.

Prerequisites: Merit in at least one of Achievement Standards AS91157/AS91159 with a total of at least 16 credits in L2 Biology.

Required for: University Study in Sciences.

Credits: 22 (9 Internal, 13 External)

Cost: \$45 (Workbook & Field Trip)

Standard	Title	Credits	Internal/External
AS91602	Integrate Biological Knowledge to Develop an Informed Response to a Socio-Scientific Issue	3	Internal
AS91603	Demonstrate Understanding of the Responses of Plants and Animals to their External Environment	5	External
AS91604	Demonstrate Understanding of How an Animal Maintains a Stable Internal Environment	3	Internal
AS91605	Demonstrate Understanding of Evolutionary Processes Leading to Speciation	4	External
AS91606	Demonstrate Understanding of Trends in Human Evolution	4	External
AS91607	Demonstrate Understanding of Human Manipulations of Genetic Transfer and its Biological Implications	3	Internal

Building

Level: 2

Code: BU202

Course Information: This course leads to tertiary courses in the Building and Construction area for apprentice training. Students work collaboratively on a project such as fence building or a non-consent building. They also produce one or two take home items such as a children's picnic table or outdoor chair. They learn about workshop safety, tool and equipment use and how to order materials. Safety reasons mean that numbers must be restricted in the workshop to 20.

For detailed course information, visit the course [website](#)

Prerequisites: Year 12 or 13 student.

Required for: Apprenticeship training.

Credits: 22 (all internal - no course endorsement possible)

Cost: \$50 (Course Fee)

Standard	Title	Credits	Internal/External
US12927	Identify, select, use and maintain hand tools used for construction projects under supervision	6 credits	Internal
US12936	Construct a non-consent timber-framed utility building	8 credits	Internal
US12932	Construct wooden garden furniture and items of basic construction equipment	8 credits	Internal

Chemistry

Level: 2

Code: CH203

Course Information: Chemistry has a practical internal component and covers organic, inorganic, and physical chemistry. This is a useful ground for a large cross section of careers and disciplines, as diverse as Law and Food Technology. The Chemistry 203 course allows students to further study the composition and properties of matter. Chemical processes are vital to our lives, in both living and non-living systems. During the course students will: investigate and explain the development of selected chemical processes and their interaction with people and the environment; carry out qualitative and quantitative investigations to obtain, interpret and use a range of chemical information; understand and use the central concepts of chemistry.

Prerequisites: From SC102: 12 external credits

Required for: L3 Chemistry

Credits 20 (7 Internal, 13 External)

Cost \$40.00 (Course Fee and Workbook)

Standard	Title	Credits	Internal/External
AS91161	Carry out acid-base volumetric analysis by using a given titration procedure, and solving problems involving volumetric analysis	4	Internal
AS 91162	Introduction to Equations & the Periodic Table. Carry out qualitative analysis to identify ions present in solution.	3	Internal
AS 91164	Demonstrate Understanding of Bonding. Structure Properties and Energy Changes	5	External
AS91165	Describe Understanding of the Properties of Selected Organic Compounds	4	External
AS 91166	Demonstrate Understanding of Chemical Reactivity	4	External
AS 91167	Demonstrate Understanding of Oxidation-Reduction	-	Not assessed

Chemistry

Level: 3

Code: CH304

Course Information: The Chemistry 304 course allows students to further study the composition and properties of matter. Chemical processes are vital to our lives, in both living and non-living systems. During the course students will: investigate and explain the development of selected chemical processes and their interaction with people and the environment; carry out qualitative and quantitative investigations to obtain, interpret and use a range of chemical information; understand and use the central concepts of chemistry.

Prerequisites: Complete Chemistry 203 achieving at least 14 credits, including some Merits.

Credits: 21 (6 Internal, 15 External)

Cost: \$40 (Course Workbook) (Textbook-Optional \$30)

Standard	Title	Credits	Internal/External
AS91388	Demonstrate understanding of Spectroscopic data in chemistry	3	Internal
AS 91393	Demonstrate understanding of Oxidation-Reduction processes	3	Internal
AS91390	Demonstrate understanding of Thermochemical principles and the Properties of Particles and substances	5	External
AS91391	Demonstrate understanding of the properties of Organic compounds	5	External
AS91392	Demonstrate understanding of Equilibrium Principles in Aqueous Systems	5	External

Classical Studies

Level: 2

Code: CL203

Course Information: Classics is the study of the languages, culture, history and thought of the civilisations of ancient Greece and Rome. The exciting thing about Classics is that there is something in it for everyone. It is a multicultural, interdisciplinary field that provides access to the classical world through archaeology and art, mythology and religion, history and literature. Classics helps us understand who and why we are, and where we might be going. Students of Classics learn marketable skills that are highly prized by employers in today's volatile job market. How to read critically, think analytically, and communicate articulately are three of the skills you will learn by studying Classics. However, the most likely main reason you might choose to study Classics is because you have discovered the fascination of studying ancient civilizations. Perhaps you have developed an interest in mythology, the complex social history of the Roman Empire, or Leonidas and his 300, or you want to explore the origins of western philosophy in Plato and Aristotle. You might want to get your hands dirty excavating a Roman villa, or explore the Parthenon and the world of Greek art. Classics 203 is the place to begin.

Topics covered may include: Greek Mythology; Homer's *Odyssey*; Greek Society (including Athens and Sparta); Greek Architecture.

Prerequisites: At least 12 external credits in English 102, or Level 1 Geography or History or Te Reo Māori.

Required for: Year 13 Classical Studies, Geography or History

Credits: 24 (10 Internal, 14 External)

Cost: \$30 (Workbooks and Write-on-Notes)

Standard	Title	Credits	Internal/External
AS91200	Examine ideas and values of the classical world	4	External
AS91201	Examine the significance of features of work(s) of art in the classical world	4	External
AS91202*	Demonstrate understanding of a significant event in the classical world	4	Internal
AS91203	Examine socio-political life in the classical world	6	External
AS91204*	Demonstrate understanding of the relationship between aspects of the classical world and aspects of other cultures	6	Internal

*Students are encouraged to take one of these two internally assessed standards. Only the most able students should consider taking all five standards. This will be decided on an individual basis (or, at the discretion of the HOD).

Classical Studies

Level: 3

Code: CL304

Course Information: Classics is the study of the languages, culture, history and thought of the civilisations of ancient Greece and Rome. The course offers the opportunity to study literature (epic, drama, historical writing, and much else), in translation, the history and archaeology of the Greek and Roman Mediterranean, and philosophy. Whether you want to read literature, explore the effect of the past on the present, or learn to apply science to arts, Classics has something for everyone. The subject's involvement with a range of disciplines such as history, philosophy and art criticism, makes it constantly fresh and challenging and encourages mental versatility. Studying classics is the attempt to ground this astonishment in the knowledge of what those works meant in their own time and what significance they have today. And you know about the extremely high acceptance rate for those who have studied Classics applying to University, particularly law and medicine. However more than that, you know that students of Classics learn marketable skills that are highly prized by employers in today's volatile job market: how to read critically, think analytically, and communicate articulately.

Topics covered may include: Alexander the Great; Roman Religion; Homer's *Iliad*; Roman Architecture; Augustus; Virgil's *Aeneid*; Sport, Spectacle and Entertainment in the ancient world; Comparative Mythologies.

Prerequisites: At least 15 external credits in either English 203, or Level 2 Classical Studies, Geography, History or Te Reo Māori. Selected students will be invited to join the Scholarship Classics class based on outstanding performance in NCEA Level 2.

Cost: \$30 (Workbooks and Write-on-Notes)

Standard	Title	Credits	Internal/External
AS91394+	Analyse ideas and values of the classical world	4 credits	External
AS91395+	Analyse the significance of a work(s) of art in the classical world	4 credits	External
AS91396+	Analyse the impact of a significant historical figure on the classical world	6 credits	External
AS91397*	Demonstrate understanding of significant ideology(ies) in the classical world	6 credits	Internal
AS91398*	Demonstrate understanding of the lasting influences of the classical world on other cultures across time	6 credits	Internal

*Students are encouraged to take one of these two internally assessed standards.

+Students should take two of the three externally assessed standards, based on their strengths and / or at the discretion of the HOD.

Only the most able students should consider taking all five standards. This will be decided on an individual basis (or, at the discretion of the HOD).

Computing

Level: 1

Code: CS101

Course Information: This course will be assessed through Level 1 and 2 Unit Standards. All US will be assessed internally. During each term and at the end of each Unit, students will be assessed on their knowledge and achievement of curriculum objectives through summative end of unit tests. Students will use Microsoft's: Word, Excel, FrontPage, PowerPoint and Publisher.

Prerequisites: Only available to those students interested in Computing who are doing at least one 101 or 100 course.

Required for: Not Applicable - not required for doing level 2 Computing

Credits: 27 Internal (14 compulsory, others optional)

Cost: \$20 (Course Fees)

Standard	Title	Credits	Internal/External
US2780	Demonstrate and apply knowledge of a personal computer system using Microsoft technology	3 credits	Internal
US2781	Operate and maintain a personal computer system	3 credits	Internal
US2788	Produce desktop published documents using base functions	5 credits	Internal
US2791	Integrate data from word processor, spreadsheet and database files	3 credits	Internal
US2792	Produce simple desktop published documents using templates	2 credits	Internal
US5946	Use computer technology to present a topic	3 credits	Internal
US5957	Produce simple schematic diagrams using a computer application	2 credits	Internal
US18743	Produce and use spreadsheet	2 credits	Internal
US18758	Find information using the Internet	2 credits	Internal
US25659	Create a web page using a mark-up language with a text editor	2 credits	Internal

Computing

Level: 2

Code: CS202

Course Information: Students will learn to: Operate, manage, protect and maintain a personal computer system; create and use a simple database; Integrate data from word processor, spreadsheet and database files; demonstrate knowledge of the application and impact of IT; access computer resources via a local area network (LAN); create and enhance web pages. Students will use Microsoft Access, Word, Excel, FrontPage, PowerPoint and Publisher.

Prerequisites: Preference will be given to students with 14 credits from CS101, or at least 12 credits in English and Maths. This course is also suitable for students involved with a Transition Course.

Required for: Year 13 Computing.

Credits: Internally assessed (14 compulsory credits), with a range of other credits also being completed from the list below.

Cost: \$20 (Course Fees)

Standard	Title	Credits	Internal/External
US111	Operate a word processor	5 credits	Internal
US2781	Manage and protect data in a personal computer system	3 credits	Internal
US2783	Demonstrate knowledge of the components of PC systems	3 credits	Internal
US2784	Create and use a simple computer spreadsheet to solve a problem	3 credits	Internal
US2786	Create and use a computer flatfile database using base functions	2 credits	Internal
US2788	Produce desktop published documents using base functions	5 credits	Internal
US2791	Integrate data from word processor, spreadsheet and database files	3 credits	Internal
US5940	Produce a presentation using a desktop presentation computer application	3 credits	Internal
US5957	Produce a presentation using a desktop presentation computer application	3 credits	Internal
US25655	Create a website using a dedicated web-authoring tool to meet a set brief	3 credits	Internal
US25662	Use digital communications technologies	3 credits	Internal
US25656	Create a website using a mark-up language to meet a set brief	4 credits	Internal

Computing

Level: 3

Code: CS303

Course Information: This course follows on from work achieved in Computing 202 and will be internally assessed through a variety of Unit and Achievement Standards. Students will learn to:

- Demonstrate knowledge of the components of personal computer systems
- Create a computer spreadsheet to provide a solution for organisation use
- Produce a computer flat file database
- Produce desktop published documents for organisation use
- Demonstrate knowledge of the principles of computer networks
- Produce a presentation using a desktop presentation computer application
- Use Computer and Digital Technology to solve a specified problem
- Create a website for organisation use
- Students will use Microsoft Access, Word, Excel, FrontPage, PowerPoint and Publisher and Adobe Photoshop.

Prerequisites: 14 credits from Level 2 Computer Studies. Some Year 13 students who did not do CS202 may also be accepted after approval from the HOD. Not all the credits in this course count towards University Entrance. This course is also suitable for students conducting a Transition Course.

Credits: Internally assessed (14 compulsory credits), with a range of other credits also being completed from the list below.

Cost: \$20 (Course Fees)

Standard	Title	Credits	Internal/External
US111	Operate a word processor	5 credits	Internal
US112	Produce information using word processing functions	5 credits	Internal
US2785	Create a computer spreadsheet to provide a solution for organization use	5 credits	Internal
US2787	Create and use a computer database to provide a solution for organisation use	6 credits	Internal
US2789	Plan and design desktop published documents for business use	6 credits	Internal
US2797	Demonstrate knowledge of the principles of computer networks	4 credits	Internal

Digital Design (course provided by St Catherine's College)

Level: 2

Code: DD200

Course Information: For information on courses provided by St Catherine's College please visit <http://stcatherinescollege.school.nz/course-selection/>

Digital Design (course provided by St Catherine's College)

Level: 3

Code: DD300

Course Information: For information on courses provided by St Catherine's College please visit <http://stcatherinescollege.school.nz/course-selection/>

Drama

Level: 3

Code: DR304

Course Information: This course is designed to develop skills in improvisation, body language, voice and use of space. Students will also work on script devising and script interpretation. If there is a College production it is expected that students are involved in some way. Students will also study two playwrights. There are written as well as performance components to the course. Regular attendance is essential and therefore students who are also in Transition and /or Outdoor Education will have difficulty completing the assignments. The majority of assessment is carried out against Achievement Standards. There are no external assessments.

Prerequisites: At least 12 credits in EN 203 OR EN202. Students who do not meet these prerequisites and wish to enrol for this course must see the teacher-in-charge to discuss their suitability.

Required for: Drama.

Credits: (18 Internal)

Cost: None

Standard	Title	Credits	Internal
AS91512	Interpret scripted text to integrate drama techniques in performance	4	Internal
AS91515	Select and use complex performance skills associated with a drama form or period	4	Internal
AS91513	Devise and perform a drama to realise a concept	5	Internal
AS91517	Perform a substantial acting role in a significant production	5	Internal

Economics

Level: 1

Code: EC102

Course Information: The aim of EC102 is to provide students with a broad range of analytical skills, the ability to interpret and present economic data and arguments in a clear, concise and coherent manner. Any student who is considering tertiary studies in these areas will find it of value. The content includes types of business units and producer supply, consumer demand, markets, government intervention and modelling the economy.

Prerequisites: None

Required for: Year 12 Economics

Credits: 20 (8 Internal, 12 External)

Cost: \$40 approx (Workbooks \$25 & Elearn Economics subs \$15)

Standard	Title	Credits	Internal/External
AS90984	Demonstrate understanding of decisions a producer makes about production.	5	Internal
AS90983	Demonstrate understanding of consumer choices, using scarcity and/or demand.	4	External
AS90985	Demonstrate understanding of producer choices using supply.	3	External
AS90986	Demonstrate understanding of how consumer, producer and/or government choices affect society, using market equilibrium.	5	External
AS90988	Demonstrate understanding of the interdependence of sectors of the New Zealand economy.	3	Internal

Economics

Level: 2

Code: EC203

Course Information: The aim of EC203 is to provide students with a broad range of analytical skills, the ability to interpret and present economic data and arguments in a clear, concise and coherent manner. Any student who is considering tertiary studies in these areas will find it of value. The content includes a study of inflation, economic growth, employment and government policy. In particular, it analyses the causes, effects of these four economic issues, statistical methods and data used to measure these issues and the flow-on effects of these issues to sectors of the economy.

Prerequisites: At least 14 credits in Economics 102, or at the discretion of the Head of Department .

Required for: Year 13 Economics

Credits: 22 (14 Internal, 8 External)

Cost: \$40 approx (Workbooks \$25 & Elearn Economics subs \$15)

Standard	Title	Credits	Internal/External
AS91225	Analyse unemployment using economic concepts and models.	4	Internal
AS91222	Analyse inflation using economic concepts and models.	4	External
AS91224	Analyse economic growth using economic concepts and models.	4	External
AS91227	Analyse how government policies and contemporary economic issues interact	6	Internal
AS91226	Analyse statistical data relating to two contemporary economic issues.	4	Internal

Economics

Level: 3

Code: EC304

Course Information: The aim of EC304 is to provide students with a broad range of analytical skills, the ability to interpret and present economic data and arguments in a clear, concise and coherent manner. Any student who is considering tertiary studies in these areas will find it of value. The content includes a study of the individuals buying behaviour, operational decisions made by the firm, and the larger economy (macroeconomics), and government policies used to correct market failure..

Prerequisites: At least 14 credits in Economics 203, or at the discretion of HOD Economics.

Required for: Tertiary Study.

Credits: 20 credits (10 Internal, 10 External)

Cost: \$40 approx (Workbooks \$25 & Elearn Economics subs \$15)

Standard	Title	Credits	Internal/External
AS91399	Demonstrate understanding of efficiency of market equilibrium.	4	External
AS91402	Demonstrate understanding of government interventions to correct market failure	5	Internal
AS91401	Demonstrate understanding of micro-economic concepts.	5	Internal
AS91403	Demonstrate understanding of macro-economic influences on the New Zealand economy.	6	External

English

Level: 1

Code: EN100

Course Information: This course is designed to improve skills in communication for students who have had difficulty coping with the Year 10 course, through written, visual and oral activities. All assessment will be using internally assessed Achievement Standards. The number of standards used for assessment and the time spent in preparation for assessment will be based on the learning styles and abilities of the students who opt for this course. Students will be taught to read and write more confidently; be able to interpret ideas in a range of texts; and improve basic language skills. The intention is to keep class numbers down for greater individual tuition. Credits awarded will contribute towards NCEA Level 1 and students will be given the opportunity to gain the 10 credits required for literacy at this level.

Prerequisites: None - recommended course if Year 10 examination mark is less than 35%, or on the advice of subject teacher in Year 10.

Credits: 19 (Internal)

Cost: None

Standard	Title	Credits	Internal/External
AS90053	Produce formal writing	3	Internal
AS90052	Produce creative writing	3	Internal
AS90857	Construct and deliver an oral text	3	Internal
AS90856	Show understanding of visual/oral text through close viewing using supporting evidence	3	Internal
AS90854	Form personal responses to independently read texts	4	Internal
AS90855	Create a visual text	3	Internal

English

Level: 1

Code: EN101

Course Information: Course Information: This course is assessed using NCEA Level 1 Achievement Standards. The course is primarily internally assessed. However, at the discretion of the teacher some students may have the opportunity to sit one or two external Achievement Standards. The number of standards used for assessment and the time spent in preparation for assessment will be based on the learning styles and abilities of the students who opt for this course. However, this course is designed to meet the needs of students who would be unable to cope with the faster pace of EN102. The standards will cover skills in reading and writing, interpreting a variety of texts, both written and visual and identifying and using a range of language features. All credits awarded will contribute towards NCEA Level 1. Students will have the opportunity to gain the 10 credits required for literacy.

Prerequisites: None - recommended course if Year 10 examination mark is between 35% and 44%, or on the advice of Year 10 subject teacher.

Required for: Year 12 and 13 English, Economics, History, Classical Studies and Media Studies.

Credits: 20 (Internal)

Cost: None

Standard	Title	Credits	Internal/External
AS90052	Produce creative writing	3	Internal
AS90053	Produce formal writing	3	Internal
AS90857	Construct and deliver an oral text	3	Internal
AS90856	Show understanding of visual/oral text through close viewing using supporting evidence	3	Internal
AS90853	Use information literacy to form conclusions	4	Internal
AS90852	Explain significant connections across texts using supporting evidence	4	Internal

English

Level: 1

Code: EN102

Course Information: This course continues the areas covered in Year 10. This includes creative and formal writing, the reading and study of various texts, both written and visual, writing and presenting a speech and identifying and using the features of language. Students will sit both internal and external Achievement Standards. Students will have the opportunity to gain the 10 credits required for literacy.

Prerequisites: None - recommended course if Year 10 examination mark is greater than 45%, or on the advice of Year 10 subject teacher.

Required for: Year 12 and 13 English, Economics, History, Classical Studies and Media Studies.

Credits: 24 (Internal and External)

Cost: None

Standard	Title	Credits	Internal/External
AS90849	Show understanding of specific aspects of studied written texts	4	External
AS90850	Show understanding of specific aspects of studied visual text	4	External :
AS90851	Show understanding of significant aspects of unfamiliar written texts through close reading	4	External
AS90855	Create a visual text	3	Internal
AS90052	Produce creative writing	3	Internal
AS90053	Produce formal writing	3	Internal
AS90857	Construct and deliver an oral text	3	Internal

English

Level: 2

Code: EN202

Course Information: This course will be assessed using Achievement Standards and is suitable for students who have successfully completed the courses for EN100 and EN101 at Level 1. The standards selected for assessment and the time taken to complete the units of work will depend on the abilities and learning styles of the students who opt for this course. Students will develop their communication skills both written and oral, will also continue to practise and develop skills in reading a variety of texts, recognising and using language features and using visual media. Students must ensure that they obtain at least 5 credits reading and 5 credits writing for the purposes of University Entrance. At the discretion of the HOD English, Year 13 students who have not gained enough credits in this course whilst in Year 12 will be allowed to re-enrol.

Prerequisites: Must be in Year 12 or 13 - recommended course if less than 12 credits is achieved at NCEA Level 1 or at the discretion of HOD/TiC.

Required for: All Year 13 courses.

Credits: 17 (Internal)

Cost: None

Standard	Title	Credits	Internal/External
AS91101	Produce a selection of crafted and controlled writing	6	Internal
AS91102	Construct and deliver a crafted and controlled oral text	3	Internal
AS91104	Analyse significant connections across texts supported by evidence	4	Internal
AS91106	Form developed personal responses to independently read texts	4	Internal

English

Level: 2

Code: EN203

Course Information: This course is assessed using Achievement Standards, both external and internal, and is designed to develop further skills covered at Level 1. The course will cover the study of literature, research, both formal and creative writing, language analysis and oral presentation. Students must ensure that they gain at least 5 credits for writing and 5 credits for reading in this course, as this is a requirement for University Entrance.

Prerequisites: At least 14 credits, from English 102.

Required for: Year 13 English, Media Studies.

Credits: 25 (Internal and External)

Cost: None

Standard	Title	Credits	Internal/External
AS91102	Construct and deliver a crafted and controlled oral text	3	Internal
AS91105	Use information literacy skills to form developed conclusions	4	Internal
AS91101	Produce a selection of crafted and controlled writing	6	Internal
AS91098	Analyse specified aspects of studied written texts using supporting evidence	4	External
AS91099	Analyse specified aspects of studied visual texts using supporting evidence	4	External
AS91100	Analyse significant aspects of unfamiliar written texts through close reading	4	External

English

Level: 3

Code: EN303

Course Information: This course will be assessed using Achievement Standards and is designed to offer students who have completed English 202 the previous year the opportunity to gain Level 3 credits. The intention is that students who undertake this course will improve their written and oral communication skills as part of the transition into the workforce or polytechnic courses. Therefore this will be relevant to students also taking Transition.

Prerequisites: 14 credits in English 202 taken from Level 2 Achievement Standards. This includes 5 reading and 5 writing credits from Level 2 English.

Credits: 16 (Internal)

Cost: None

Standard	Title	Credits	Internal/External
AS91475	Produce a selection of fluent and coherent writing which develops, sustains and structures ideas	6	Internal
AS91476	Create and deliver a fluent oral and coherent text which develops, sustains and structures ideas	3	Internal
AS91478	Respond critically to significant connections across texts supported by evidence	4	Internal
AS91480	Respond critically to significant aspects of visual texts through close reading	3	Internal

English

Level: 3

Code: EN304

Course Information: This course will be assessed against Level 3 Achievement Standards and will be a mixture of both internal and external assessment. This course is designed to challenge students' abilities in analysing and interpreting complex texts. These texts cover both written and visual media. Shakespeare is also a compulsory element. Students are expected to have essay-writing skills and be prepared to read broadly. Students have the opportunity, in discussion with the teacher, to enrol for English Scholarship.

Prerequisites: 15 credits in English 203.

Credits: 25 (Internal and External)

Cost: None

Standard	Title	Credits	Internal/External
AS91472	Respond critically to specified aspects of studied written texts supported by evidence	4	External
AS91473	Respond critically to specified aspects of studied visual texts supported by evidence	4	External
AS91474	Respond critically to significant aspects of unfamiliar written texts through close reading	4	External
AS91475	Produce a selection of fluent and coherent writing which develops, sustains and structures ideas	6	Internal
AS91476	Create and deliver a fluent oral and coherent text which develops, sustains and structures ideas	3	Internal
AS91478	Respond critically to significant connections across texts supported by evidence	4	Internal

EL (English for speakers of other Languages)

Level: 1

Code: EL100

Course Information: This course aims to develop the reading, writing, listening and conversational skills of students. It will also focus on helping students with understanding of the language involved in their classwork in other subjects. Although this course is aimed at the 100 level, it is designed to allow students to attempt EL unit standards from levels 1 to 3, catering to their English needs and abilities. This is an internally assessed course.

Prerequisites: The student is not a native English speaker and has limited language skills. The students will be selected through language testing.

Credits: All Internal. The Standards below are only examples as standards can change depending on the ability and needs of students.

Cost: Required texts to be bought at the beginning of the year \$40 approx

Standard	Title	Credits	Internal
US27998	Complete Basic Forms on Familiar Topics	4	Internal
US27997	Write Basic Texts for Practical Purposes.	7	Internal
US2968	Read Simple Recounts of Life Experiences	4	Internal
US27996	Write Basic Texts on Familiar Topics	8	Internal

EL (English for speakers of other Languages)

Level: 2

Code: EL200

Course Information: This course aims to develop the reading, writing, listening and conversational skills of students. It will also focus on helping students with understanding of the language involved in their classwork in other subjects. Although this course is aimed at the 200 level, it is designed to allow students to attempt EL Unit Standards from levels 1 to 3, catering to their English needs and abilities. This is an internally assessed course.

Prerequisites: The student is not a native English speaker and has limited language skills. The students will be selected through language testing.

Credits: Internal. The Standards below are examples only as they can change each academic year depending on the ability and needs of the students.

Cost: Required texts to be bought at beginning of year.

Standard	Title	Credits	Internal
US27983	Read and Understand Simple Texts on Familiar Topics.	8	Internal
US7999	Write Simple Texts on Familiar Topics.	8	Internal
US28000	Write Texts for Practical Purposes.	7	Internal

EL (English for speakers of other Languages)

Level: 3

Code: EL300

Course Information: This course aims to develop the reading, writing, listening and conversational skills of students. It will also focus on helping students with understanding of the language involved in their classwork in other subjects. Although this course is aimed at the 300 level, it is designed to allow students to attempt EL unit standards from levels 1 to 3, catering to their English needs and abilities. This is an internally assessed course.

Prerequisites: The student is not a native English speaker and has limited language skills. The students will be selected through language testing.

Credits: Internal. The Standards below are examples only as Standards can change depending on the ability and needs of students.

Cost: Required texts to be bought at the beginning of the year.

Standard	Title	Credits	Internal
US28068	Write Texts on Familiar Topics.	5	Internal
US28056	Read and Understand Texts on Familiar Topics.	5	Internal
US28062	Participate in a Formal Interview.	5	Internal
US28070	Write a Response for a Specific Purpose.	5	Internal

Fashion Design (course provided by St Catherine's College)

Level: 2/3

Code: FA200/300

Course Information: For information on courses provided by St Catherine's College please visit <http://stcatherinescollege.school.nz/course-selection/>

Food & Nutrition (course provided by St Catherine's College)

Level: 2

Code: FN200

Course Information: For information on courses provided by St Catherine's College please visit <http://stcatherinescollege.school.nz/course-selection/>

Food & Nutrition (course provided by St Catherine's College)

Level: 3

Code: FN300

Course Information: For information on courses provided by St Catherine's College please visit <http://stcatherinescollege.school.nz/course-selection/>

French

Level: 1

Code: FR102

Course Information: This course aims to continue to develop the four language skills of Listening, Speaking, Reading and Writing together with an understanding of the way of life in French speaking countries to prepare students for NCEA Level One. Of the 5 Achievement Standards offered, 3 are internally assessed, giving a total of 14 credits, and 2 are externally assessed, adding the final 10 credits of the available 24 credits at this level.
There is an opportunity, every two years, for students to take part in a language and cultural trip to France in conjunction with students from another Wellington secondary school.

Prerequisites: Achievement at a reasonable level in Year 10 French.

Required for: Year 12 and 13 French.

Credits: 24 (14 Internal, 10 External)

Cost: \$30 (Course Fee)

Standard	Title	Credits	Internal/External
AS90878	Demonstrate understanding of a variety of spoken French texts on areas of most immediate relevance.	5	External
AS90879	Give a spoken presentation in French that communicates a personal experience.	4	Internal
AS90880	Interact using spoken French to communicate personal information, ideas and opinions in different situations.	5	Internal
AS90881	Demonstrate understanding of a variety of French texts on areas of most immediate relevance.	5	External
AS90882	Write a variety of text types in French on areas of most immediate relevance.	5	Internal

French (Course provided by St Catherine's College)

Level: 2

Code: FR200

Course Information: For information on courses provided by St Catherine's College please visit <http://stcatherinescollege.school.nz/course-selection/>

French (Course provided by St Catherine's College)

Level: 3

Code: FR300

Course Information: For information on courses provided by St Catherine's College please visit <http://stcatherinescollege.school.nz/course-selection/>

Future Careers

Level: Year 12 and 13 students

Code: FC202

Pre- requisites - Open Entry - This is not an approved University Entrance subject.

Staff: Mr. Mike Woods and Mrs Colleen Flynn

Students will expand their career opportunities by working and studying outside the classroom leading to NCEA and real career qualifications. We base the programme around the individual student's learning needs.

Students have an opportunity to:

- attend tertiary courses paid by the college to gain real career qualifications.
- gain their Learner/Restricted licences.
- be monitored for achievement in NCEA Level 1, 2 and 3.
- work experience with employers gaining skills and references for their CV.

In Class we cater for students at all levels of achievement and offer:

- 20 Credits at Level 1 – employment, law, self-management skills.
- 24 Credits at Level 2 – Road Code, career planning, law and communication.
- 25 Credits at Level 3 and we can work with individual student career needs.

By the end of their time in this course we expect our students to have achieved:

- a minimum of NCEA level 2 or higher qualifications.
- a learner licence or higher driving licences.
- a First Aid Certificate, Site Safe qualifications and attended a STAR course.
- a career plan to leave college to work, study or take a planned GAP year.

Assessments are classroom assessed based on student readiness or practical skill tests.

Course costs: 50% of the Learner or Restricted licence testing.

We supply safety equipment required for work experience.

Career Links: Access to Polytechnic courses, work and apprenticeships.

Careers Department website – <https://sites.google.com/a/stpats.school.nz/spccareers/>

Future Careers Course outline: [Future Careers 202 course Outline 2016.docx](#) (18K)

Careers New Zealand - www.careers.govt.nz

Gateway

Level: 2/3

Code: GW202/303

Limited to 25 placements

This not a University Entrance approved Subject
Staff Mr. Mike Woods and Mrs Colleen Flynn

Entry: By application and Interview.

Gateway is open to Year 12 and 13 students with a strong Career and Academic focus. Students must be work ready and can maintain other course work, as they are out on work placements based on student's passion. The benefits from long term work experience can lead to; employment, informed career choices, tertiary pathways and networking with employers. Employers demand employees with driving skills so we support students to work through their licences.

The unit standards below are compulsory due to the need to maintain our student's safety and awareness on the job. On top of this we also offer course work relevant to their occupation which comes from their Industry Training Organisation (ITO). An example is Plumbers do course work supplied from SKillsNZ which links to apprenticeship papers and polytechnics. Students will need to maintain a log book.

Compulsory Gateway Courses

Unit	Term	Description	Level	Credits
17602	1	Apply Hazard Identification	3	4
17592	1	Injury Prevention	3	4
17593	1	Apply Safe work practices	3	4
497	1	Health and Safety	1	3
6400/01/0 2	1	First Aid	1/2/3	4
10781	1	Career Plan Year 12	2	3
4251	1	Career Plan Year 13	3	2
No Credits	1	Site Safe	X	X

Course costs: 50% of the Learner or Restricted driver licence testing.
We supply safety equipment required for work experience

Career Links: Access to Polytechnic courses, work and apprenticeships.

Careers Department – <https://sites.google.com/a/stpats.school.nz/spccareers/>

Future Careers Course outline: [Future Careers 202 course Outline 2016.docx \(18K\)](#)

Careers New Zealand - www.careers.govt.nz

Geography

Level: 1

Code: GE102

Course Information: The Year 11 Geography course helps us to understand our world. It looks at earthquakes, tropical cyclones and other natural disasters. The course explores some of the big issues facing our planet today, including overpopulation and the sustainable use of resources. We use computers to plot information on maps which will better prepare our geography students for a growing industry surrounding GIS. You also get to know the geography of your own country better by looking at some of the geographic issues New Zealand has to deal with. Geography 102 has a mix of both practical and academic work.

Prerequisites: *None*

Required for: The course will assist understanding of future Geography courses although not required.

Credits: 21 credits (12 Externally and 9 Internally)

Cost: \$50 approx (Geographic Skills workbook/field trip)

Standard	Title	Credits	Internal/External
AS91008	Demonstrate geographic understanding of population concepts	4	External
AS91010	Apply concepts and basic geographic skills to demonstrate understanding of a given environment	4	External
AS91007	Demonstrate geographic understanding of environments that have been shaped by extreme natural event(s)	4	External
AS91012	Describe aspects of a contemporary New Zealand geographic issue	3	Internal
AS91013	Describe aspects of a geographic topic at a global scale	3	Internal
AS91014	Apply spatial analysis, with direction, to solve a geographic problem	3	Internal

Geography

Level: 2

Code: GE203

Course Information: The Year 12 Geography course has a global focus. The course goes from New Zealand, to South America to North America, Africa and Asia. Students study the challenges and issues faced by many parts of the world and then look at ways to provide solutions. The course involves a rich mix of skills including map work, model making and geographic research. A 3 day field trip to Tongariro is one of the course highlights as part of the study on volcanic activity in New Zealand. Students will come to understand the complexity of the relationships that exists between people and the environment. Through gaining such understandings, they are equipped to act to ensure a better future world for people and society.

Prerequisites: At least 12 external credits in English 102, or Level 1 Geography or History and one other 102 course.

Required for: The course will assist the understanding of future Geography courses although not required.

Credits: 22 credits (8 External and 14 Internal)

Cost: \$300 approx (Geographic Skills workbook/field trip)

Standard	Title	Credits	Internal/External
AS91240	Demonstrate geographic understanding of a large natural environment	4	External
AS91243	Apply concepts and geographic skills to demonstrate understanding of a given environment	4	External
AS91244	Conduct geographic research with guidance	5	Internal
AS91245	Explain aspects of a contemporary geographic issue	3	Internal
AS91246	Explain aspects of a geographic topic at a global scale	3	Internal
AS91247	Apply spatial analysis, with guidance, to solve a geographic problem	3	Internal

Geography

Level: 3

Code: GE304

Course Information: The Year 13 Geography course involves an in-depth study into global and local geographic issues. The course includes three days spent in Rotorua looking at tourism development along with a day trip early in the year to Westpac Stadium. The visit to the Stadium will allow the class to witness the detailed planning and preparations required to organise the annual Wellington Sevens Rugby event.

The subject also enables students to do a detailed research project on a contemporary issue that relates directly to New Zealand as well as an analysis of the global pattern of Urbanisation. The course provides an excellent skills base for many tertiary courses. The majority of the standards require a strong literacy skill to be successful.

Prerequisites: At least 15 external credits in either English 203, or Level 2 Classical Studies, Geography, History or Te Reo Māori. Selected students may be asked to study for a Level 3 scholarship class, based on outstanding performance in NCEA Level 2.

Credits: 17 Credits (8 External and 9 Internal)

Cost: \$450 approx (Geographic Skills workbook/field trip)

Standard	Title	Credits	Internal/External
AS91427	Demonstrate understanding of how a cultural process shapes geographic environment	4	External
AS91428	Analyse a significant contemporary event from a geographic perspective Internal	3	Internal
AS91429	Demonstrate understanding of a given environment(s) through selection and application of geographic concepts and skills	4	External
AS91431	Analyse aspects of a contemporary geographic issue	3	Internal
AS91432	Analyse aspects of a geographic topic at a global scale	3	Internal

Design and Visual Communication (Graphics)

Level: 1

Code: GD102

Course Information: Students develop a broad range of design skills. Drawing skills are learned and developed within the context of an extended design project. In addition, students construct models of their design. Aspects of the work are assessed internally, and a portfolio of the year's work is submitted for external assessment of other aspects at the end of the year. This course demands good self management. In particular, students are expected to complete work at home as required, in order to meet dead-lines.

For more detailed course information, visit the course [website](#)

Prerequisites: Year 10 Design and Visual Communication (Graphics) or at HOD discretion

Required for: Design and Visual Communication (Graphics) 203 and 304

Credits 18

Cost \$55 (Equipment costs)

Standard	Title	Credits	Internal/External
AS91068	Demonstrate development of own design ideas communicated through graphics practice	6 credits	Internal
AS91066	Use rendering techniques to communicate the form of own design ideas	3 credits	Internal
AS91063	Produce freehand sketches to communicate design ideas	3 credits	External
AS91064	Produce instrumental, multi-view orthographic drawings that communicate technical features of own design ideas	3 credits	External
AS91065	Produce instrumental paraline drawings to communicate own design ideas	3 credits	External

Design and Visual Communication (Graphics)

Level: 2

Code: GD203

Course Information: Building on their work in Year 11, students further develop their skills in detailed freehand drawing, two dimensional instrumental drawing (optional), colour rendering and the use of design processes, conventions and language. Students develop these skills within the context of three related projects, focusing on product design, spatial design and presentation. This includes students making models and digital (Photoshop) presentations of their design. These projects are assessed internally. A portfolio of the year's work is submitted for external assessment at the end of the year. This course has a high workload and demands good self management. In particular, students are expected to complete work at home as required, in order to meet deadlines.

For more detailed course information, visit the course [website](#)

Prerequisites: 12 credits in Level 1 Design and Visual Communication (Graphics) or at discretion of HOD.

Required for: Design and Visual Communication (Graphics) 304

Credits: 23

Cost: \$60 (Equipment costs)

Standard	Title	Credits	Internal/External
AS91342	Develop a product design through graphics practice	6 credits	Internal
AS91341	Develop a spatial design through graphics practice	6 credits	Internal
AS91343	Use visual communication techniques to compose a presentation of a design	4 credits	Internal
AS91337	Use visual communication techniques to generate design ideas	3 credits	External
AS91338	Produce working drawings to communicate technical details of a design (OPTIONAL)	4 credits	External

Design and Visual Communication (Graphics)

Level: 3

Code: GD304

Course Information: This course extends the techniques and skills of previous years while providing the basis for intended tertiary courses or careers in design, engineering, and technical disciplines. Students work on three related projects that focus on the design and presentation of a product and environment. This includes model making and digital presentation. At this level, the student works with the teacher as the client in each of the projects, which are assessed internally. A portfolio made up of a selection of the year's work is submitted for external assessment at the end of the year.

For more detailed course information, visit the course [website](#)

Prerequisites: 13 credits in Level 2 Design and Visual Communication (Graphics) or at discretion of HOD.

Credits: 22

Cost: \$85 (Basic equipment cost, plus any additional specialised materials that may be required for specific project needs)

Standard	Title	Credits	Internal/External
AS91630	Resolve a product design through graphics practice	6 credits	Internal
AS91629	Resolve a spatial design through graphics practice	6 credits	Internal
AS91628	Develop a visual presentation that exhibits a design outcome to an audience	6 credits	Internal
AS91627	Initiate design ideas through exploration	4 credits	External

History

Level: 1

Code: HI102

Course Information: This course is an introduction to the major events of twentieth century world history. You do not have to have studied History before to do well in this course. The past matters. If we do not understand the past we cannot make good decisions about the present and the future. History is about the past, but it helps us to understand the problems of the modern world. You will learn about the big ideas and events that have shaped the history of both New Zealand and the wider world. This course focuses on late 19th and 20th century Modern World History, concentrating on forces that have shaped the modern world: war, revolution, fascism, communism, Cold War rivalries and big power politics, racism and the struggle for civil rights, and New Zealand's place in the world. There will be a strong focus on international relations and in particular, New Zealand's involvement and experiences of these major events and periods. The course will aim to offer in-depth case studies that illustrate how New Zealand interacted with and responded to a changing world, both politically and socially. In History 102 you will develop skills in information gathering, critical reading and thinking, interpretation and arguing a case.

Prerequisites: None.

Required for: History 102 is an approved course which will allow you to earn the Literacy credits required for NCEA Level 1.

Credits: Up to 24 (up to 16 internal, 8 external)

Cost: \$30 (Workbooks and Write-on-Notes)

Standard	Title	Credits	Internal/External
AS91001*	Carry out an investigation of an historical event, or place, of significance to New Zealanders	4 credits	Internal
AS91002*	Demonstrate understanding of an historical event, or place, of significance to New Zealanders	4 credits	Internal
AS91003	Interpret sources of an historical event of significance to New Zealanders	4 credits	External
AS91004*	Demonstrate understanding of different perspectives of people in an historical event of significance to New Zealanders	4 credits	Internal
AS91005	Describe the causes and consequences of an historical event	4 credits	External
AS91202+	Demonstrate understanding of a significant event in the classical world	4 credits	Internal

*Students may wish to limit the number of standards they attempt from those offered here. Students and parents need to be mindful of the minimum number of credits required from the subject which count toward entry to Level 2.

+ Please note that this standard is a Level 2 Classics internal.

History

Level: 2

Code: HI203

Course Information: Year 12 History examines major events, forces and people who have helped shape our modern world. During the course you will be encouraged to evaluate sources and draw conclusions supported by evidence. You will learn how to recognise change and continuity in history. You will use critical thinking to compare and contrast and establish the significance of historical events. Topics have been selected for their interest and importance, and may include: The Russian Revolution, the Vietnam War and NZ's involvement, Nazi Germany 1933 – 1945, Gandhi's India – how non-violence defeated the mighty British Empire.

Prerequisites: At least 12 external credits in English 102, or Level 1 Geography or History or Te Reo Māori.

Credits: 19 (upto 14 Internal, 5 External)

Cost: \$25 (Workbooks and Write-on-Notes)

Standard	Title	Credits	Internal/External
AS91229	Carry out an inquiry of an historical event or place that is of significance to New Zealanders	4	Internal
AS91230	Examine an historical event or place that is of significance to New Zealanders	5	Internal
AS91232	Interpret different perspectives of people in an historical event that is of significance to New Zealanders	5	Internal
AS91233	Examine causes and consequences of a significant historical event	5	External

History

Level: 3

Code: HI304

Course Information: Students will discover the forces that contributed to the British Empire's emergence. These include the role of politics, military power and economic development. Students will analyse the effects of this change on people in different contexts over time. There will be an analysis of key events in particular New Zealand in the 19th century. It explores the political and economical growth of the last British colony into a young independent nation. It explores Maori/Pakeha relations, with special emphasis on the New Zealand Wars in the 1860s. Students will develop ability to analyse historical content and argue a reasoned view on contested events.

Prerequisites: At least 15 external credits in either English 203, or Level 2 Classical Studies, Geography, History or Te Reo Māori. Selected students may be asked to study for a Level 3 scholarship class, based on outstanding performance in NCEA Level 2.

Credits: 25 (15 internal, 10 external)

Cost: \$30 (Workbooks and Write-on-Notes)

Standard	Title	Credits	Internal/External
AS91434	Research an historical event or place of significance to New Zealanders, using primary and secondary sources	5	Internal
AS91435	Analyse an historical event, or place, of significance to New Zealanders	5	Internal
AS91436	Analyse evidence relating to an historical event of significance to New Zealanders	4	External
AS91437	Analyse different perspectives of a contested event of significance to New Zealanders	5	Internal
AS91438	Analyse the causes and consequences of a significant historical event	6	External

Mathematics

Level:	1
Code:	MX100
Course information:	This course is an alternative for students to Mathematics 102 or 101. It is structured to provide an alternative path for students to gain their Numeracy requirement toward their NCEA Level 1. Students within this course will receive Numeracy reinforcement, further develop basic mathematical skills and be given assessment opportunities that suit their learning needs. The course will focus on attaining the Level 1 Numeracy requirement via Unit Standards and Achievement Standards.
Prerequisites:	None - On the results of Year 10 assessment and the advice of the subject teacher. Numbers in this course are restricted.
Required for:	Further study in: MX101.
Credits:	10 Internal credits
Cost:	\$20 approx (to be advised by teacher) (Casio fx82 calculator)

Standard	Title	Credits	Internal/External
US26623	Apply numeric reasoning in solving problems	4 credits	Internal
US26627	Apply measurement in solving problems	3 credits	Internal
US26626	Investigate bivariate numerical data using the statistical enquiry cycle	3 credits	Internal

Mathematics

Level: 1

Code: MX101

Course Information: This course is an alternative for students to Mathematics 102. It is structured to provide an alternative path for students to gain their Numeracy requirement toward their NCEA Level 1. Students within this course will be provided with learning and assessment opportunities that suit their learning needs. The course will follow the NCEA prescription but will focus on attaining "Achievement" for Achievement Standards.

Prerequisites: None - Based on the results of Year 10 assessment and the advice of the subject teacher.

Required for: Students who gain 12 credits in MX101 have automatic right of entry into MX202. Passing Achievement Standards 91026, 91027 or 91029, 91036 and 91038 gives entry to MS203 Mathematics and Statistics.

Credits: 17 credits (13 Internal, 4 External)

Cost: \$110.00 approx for graphics calculator. (Workbooks will also be required, cost to be advised by the teacher)

Standard	Title	Credits	Internal/External
AS91026	Apply numeric reasoning in solving problems	4 credits	Internal
AS91030	Apply measurement in solving problems	3 credits	Internal
AS91029	Apply linear algebra in solving problems	3 credits	Internal
AS91036	Investigate Bivariate numerical data using the statistical enquiry cycle	3 credits	Internal

Mathematics

Level: 1

Code: MX102

Course Information: MX102 covers topics in algebra, graphing, statistics, number and probability. This course aims to give students the necessary mathematical skills and background to continue with Mathematics at Level 2. Students further develop competence and confidence to use their own language, and the language of mathematics, to express mathematical ideas.

Prerequisites: On the results of Year 10 assessment and the advice of the subject teacher.

Required for: Further study in MS203 and MC203

Credits 20 credits (8 Internal, 12 External)

Cost \$110.00 approx for graphics calculator. (Workbooks will also be required, cost to be advised by the teacher)

Standard	Title	Credits	Internal/External
AS91028	Investigate relationships between tables, equations and graphs	4 credits	External
AS91026	Apply numeric reasoning in solving problems	4 credits	Internal
AS91035	Investigate a given multivariate data set using the statistical enquiry cycle	4 credits	Internal
AS91027	Apply algebraic procedures in solving problems	4 credits	External
AS91037	Demonstrate understanding of chance and data	4 credits	External
AS91038	Investigate a situation involving elements of chance	3 credits	Internal

Mathematics

Level: 2

Code: MX202

Course Information: MX202 is for students who have had success in some Achievement Standards at Level 1, but whose algebra skills are below the level necessary to cope with the MC203 or MS203 course. This course aims to further develop knowledge of mathematics, particularly algebra and probability. Students will be able to gain Level 2 credits and work towards entry into Statistics and Modelling at Level 3.

Prerequisites: Students who gain 12 credits from Achievement Standards.

Required for: MS304 - Year 13 Statistics and Modelling.

Credits: 14 credits (10 Internal, 4 External)

Cost: \$110.00 approx for graphics calculator. (Workbooks will also be required, cost to be advised by the teacher)

Standard	Title	Credits	Internal/External
AS91256	Apply co-ordinate geometry methods in solving problems	2 credits	Internal
AS91258	Apply sequences and series in solving problems	2 credits	Internal
AS91260	Apply network methods in solving problems	2 credits	Internal
AS91267	Apply probability methods in solving problems	4 credits	External
AS91268	Investigate a situation involving elements of chance using a simulation	2 credits	Internal
AS91576	Use critical path analysis in solving problems	2 credits	Internal

Mathematics

Level: 2

Code: MC203

Course Information: The MC203 course aims to consolidate and extend students' mathematical skills, as well as further developing logical thinking and problem solving techniques. It is designed to cover the mathematics required by other subjects at this level, and to lead on to further academic study.

Prerequisites: An achieved grade in Achievement Standards 91026, 91027, 91028, 91037. Merit is preferable for Algebra

Required for: Level 3 Mathematics with Calculus.

Credits: 22 credits (9 Internal, 13 External)

Cost: \$110.00 approx for graphics calculator. (Workbooks will also be required, cost to be advised by the teacher)

Standard	Title	Credits	Internal/External
AS91256	Apply co-ordinate geometry methods in solving problems	2 credits	Internal
AS91257	Apply graphical methods in solving problems	4 credits	Internal
AS91259	Apply trigonometric relationships in solving problems	3 credits	Internal
AS91261	Apply algebraic methods in solving problems	4 credits	External
AS91262	Apply calculus methods in solving problems	5 credits	External
AS91267	Apply probability methods in solving problems	4 credits	External

Mathematics

Level: 2

Code: MS203

Course Information: The MS203 course aims to consolidate and extend students' mathematical skills in Statistics, as well as further developing logical thinking and problem solving techniques. It is designed to cover the mathematics required by other subjects at this level, and to lead on to further academic study and higher mathematics.

Prerequisites: An achieved grade in Achievement Standards 91035,91037 plus 4 more credits.

Required for: MS304

Credits: 17 credits (13 Internal, 4 External)

Cost: \$110.00 approx for graphics calculator. (Workbooks will also be required, cost to be advised by the teacher)

Standard	Title	Credits	Internal/External
AS91265	Conduct an experiment to investigate a situation using statistical methods	3 credits	Internal
AS91264	Use statistical methods to make an inference	4 credits	Internal
AS91260	Apply network methods in solving problems	2 credits	Internal
AS91267	Apply probability methods in solving problems	4 credits	External
AS91268	Investigate a situation involving elements of chance using a simulation	2 credits	Internal
AS91269	Apply systems of equations in solving problems	2 credits	Internal

Mathematics

Level: 3

Code: MC304

Course Information: This course continues the earlier study of Mathematics. The aim of MC304 is to provide students with a broad range of mathematical skills and techniques that will be required in a wide variety of fields – in fact anything where change occurs. Any student who is considering tertiary studies in these areas will find it of value.

Prerequisites: An Achieved grade in Achievement Standards, 91257, 91259, 91261 and 91262. A Merit in 91261 is preferable due to a high level of algebra required.

Required for: Further tertiary study.

Credits: 21

Cost: \$110.00 approx for graphics calculator. (Workbooks will also be required, cost to be advised by the teacher)

Standard	Title	Credits	Internal/External
AS91575	Apply trigonometric methods in solving problems	4 credits	Internal
AS91573	Apply the geometry of conic sections in solving problems (Extension)	3 credits	Internal
AS91577	Apply the algebra of complex numbers in solving problems	5 credits	External
AS91578	Apply differentiation methods in solving problems	6 credits	External
AS91579	Apply integration methods in solving problems	6 credits	External

Media Studies

Level: 2

Code: ME203

Course Information:

Media studies is about the active exploration, analysis, creation, and enjoyment of the media and its products. Media studies examines the dynamic and important role of the media in society, how the media constructs messages about individuals, communities and cultures and how media products are produced, controlled, and distributed. Through media studies students gain the knowledge and skills to conceive, plan, design and make media products that engage audiences.

Prerequisites: EN102 approved course

Credits: 21 credits

Cost: \$40 (Course Fee)

Standard	Title	Credits	Internal/External
AS91249	Demonstrate understanding of narrative in media texts	3 credits	Internal
AS91250	Demonstrate understanding of representation in the media	3 credits	Internal
AS91252	Produce a design and plan for a developed media product using a range of conventions	4 credits	Internal
AS91253	Complete a developed media product from a design and plan using a range of conventions	6 credits	Internal
AS91255	Write developed media text for a specific target audience (in conjunction with AS2.5)	3 credits	Internal

Media Studies

Level: 3

Code: ME304

Course Information: When we watch TV, surf the Web or watch a movie we are creating our own meanings and emotions. The media exercise enormous influence and power on our daily lives. So this course teaches students to become critical users of other people's media.

Prerequisites: ME203

Credits: 23 credits

Cost: None

Standard	Title	Credits	Internal/External
AS91492	Demonstrate understanding of the media representation of an aspect of New Zealand culture or society	3 credits	Internal
AS91493	Demonstrate understanding of a relationship between a media genre and society	4 credits	External
AS91494	Produce a design for a media product that meets the requirements of a brief	4 credits	Internal
AS91495	Produce a media product to meet the requirements of a brief	6 credits	Internal
AS91496	Demonstrate understanding of a significant development in the media	3 credits	Internal
AS91497	Write a media text to meet the requirements of a brief	3 credits	Internal

Music

Level: 1

Code: MU102

Course Information: This course will enable students to reach their musical potential as performers and composers. It aims to stimulate and develop an appreciation and life long enjoyment of music, develop social skills through group co-operation and assist in developing confidence through performances in the College and in the community. All students must select an instrument to study and attend lessons from an itinerant or private tutor (voice is an instrument). Students are not required to enrol for all of the Achievement Standards offered but will do work in class that covers aspects of each of them. (Most students will do about 20 credits). All students must have a strong commitment to learning a musical instrument and are expected to practise on their instrument regularly. In addition, all students will learn the keyboard and develop sight-singing and musicianship skills. Involvement in a co-curricular music group (e.g. choir, band, barbershop, chamber music, etc) is strongly encouraged.

Prerequisites: Achieving at the expected curriculum level in Year 10 Performance Music, OR passes in Grade 2 Theory of Music and Practical Examinations. (e.g. ABRSM or equivalent).

Required for: NCEA Levels 2-3 and Scholarship Music.

Credits: 20 - 34

Cost: \$8 Course Booklet (\$20 approx for a Theory of Music book)

Standard	Title	Credits	Internal/External
AS91090	Perform two pieces of music as a featured soloist	6	Internal
AS91091	Demonstrate ensemble skills through performing a piece of music as a member of a group	4	Internal
AS91092	Compose two original pieces of music	6	Internal
AS91093	Demonstrate aural and theoretical skills through transcription	4	External
AS91094	Demonstrate knowledge of conventions used in music scores	4	External
AS91095	Demonstrate knowledge of two music works from contrasting contexts	6	Internal
US26687	Demonstrate and apply knowledge of sound technology for a performance context	4	Internal

Music

Level: 2

Code: MU203

Course Information: This course will enable students to reach their musical potential as performers and composers. The course aims to stimulate and develop an appreciation and life long enjoyment of music, develop social skills through group co-operation and assist in developing confidence through performances in the College and in the community. All students must select an instrument to study and attend lessons from an itinerant or private tutor (voice is an instrument). Students are not required to enrol for all of the Achievement Standards offered but will do work in class that covers aspects of most of them - most students will do at least 20 credits. All students must have a strong commitment to learning a musical instrument and are expected to practise on their instrument regularly. In addition, all students will learn the keyboard and develop sight-singing and musicianship skills. Involvement in a co-curricular music group (choir, band, barbershop, chamber music, etc) is strongly encouraged.

Prerequisites: At least 14 credits in Level 1 Music OR a pass in Grade 3 Theory of Music and Practical Examinations (e.g. ABRSM or equivalent).

Required for: NCEA Level 3 and Scholarship Music. Tertiary Music - degrees in Music and the Performing Arts.

Credits: 20 - 30

Cost: \$8 Course Booklet (\$20 approx for a Theory of Music book)

Standard	Title	Credits	Internal/External
AS91270	Perform two substantial pieces of music as a featured soloist.	6	Internal
AS291274	Perform a substantial piece of music as a featured soloist on a second instrument	3	Internal
AS91272	Demonstrate ensemble skills by performing a substantial piece of music as a member of a group	4	Internal
AS91271	Compose two substantial pieces of music	6	Internal
AS91275	Demonstrate aural understanding through written representation	4	External
AS91276	Demonstrate knowledge of conventions in a range of music scores	4	External
AS91277	Demonstrate understanding of two substantial contrasting music works	6	External
AS91273	Devise an instrumentation for an ensemble	4	Internal

Music

Level: 3

Code: MU304

Course Information: This course will enable students to reach their musical potential as performers and composers. The course aims to stimulate and develop an appreciation and life long enjoyment of music, develop social skills through group co-operation and assist in developing confidence through performances in the College and in the community. All students must select an instrument to study and attend lessons from an itinerant or private tutor (voice is an instrument). Students are not required to enrol for all of the Standards offered but in consultation with the Music teacher, make a selection of those they wish to do. Most students will do at least 18 credits. All students must have a strong commitment to learning a musical instrument and are expected to practise on their instrument regularly. In addition, all students will learn the keyboard and develop sight-singing and musicianship skills. Involvement in a co-curricular music group (choir, band, barbershop, chamber music, etc) is strongly encouraged.

Prerequisites: At least 14 credits in Level 2 Music OR passes in Grade 4 Theory of Music and Practical Examinations (e.g. ABRSM or equivalent).

Required for: Tertiary Study - Degrees in Music and the Performing Arts

Credits: 18 - 30

Cost: \$8 Course Booklet (\$20.00 approx for a Theory of Music book)

Standard	Title	Credits	Internal/External
AS91416	Perform two programmes of music as a featured soloist	8	Internal
AS91417	Perform a programme of music as a featured soloist on a second instrument	4	Internal
AS91418	Demonstrate ensemble skills by performing two substantial pieces of music as a member of a group	4	Internal
AS91419	Communicate musical intention by composing three original pieces of music	8	Internal
AS91420	Integrate aural skills into written representation	4	External
AS91421	Demonstrate understanding of harmonic and tonal conventions in a range of music scores	4	External
AS91422	Analyse a substantial music work	6	External
AS91424	Create two arrangements for an ensemble	4	Internal
AS91425	Research a music topic	6	Internal
US23730	Operate music sequencing, editing, and music notation application(s)	8	Internal

Outdoor Education

Level: 2

Code: OE203

Course Information: The focus for this course is personal development through a place-responsive framework. Specific areas of development will be self-management, self-confidence, as well as environmental education. Students are required to pay a course fee of \$350 to cover the costs of trips. These include an introduction to outdoor education camp, bush survival tramp, assessment tramp, as well as visits to various local sites during class time.

Prerequisites: Pass at Level 1 NCEA

Required for: Entry into OE304 and OL303

Credits 19

Cost \$350 (Course Fee)

Standard	Title	Credits	Internal/External
AS91330	Perform a physical activity in an applied setting	4	Internal
AS91333	Analyse the application of risk management strategies to a challenging outdoor activity	3	Internal
AS91334	Consistently demonstrate social responsibility through applying a social responsibility model in physical activity	3	Internal
AS90810	Plan, implement and evaluate a personal action that will contribute towards a sustainable future	6	Internal
AS90813	Describe values and associated behaviours in relation to a sustainable future	3	Internal

Outdoor Education

Level: 3

Code: OE304

Course Information: The focus for this year's course is the development of personal skills and the development of sensitivity towards other people and the environment. This is done through Place based education, leadership skills, sea kayaking as well as communication and planning skills. Students during the outdoor education course will be required to pay a course fee of \$350 to cover most activities and trips. These include an introduction camp, sea kayak trip, five day expedition trip, and visits to various local sites during class time.

Prerequisites: OE 203 and Pass in NCEA Level 2

Credits 20

Cost \$350.00 (Course Fee)

Standard	Title	Credits	Internal/External
AS91504	Analyse issues in safety management for outdoor activity to devise safety management strategies	3	Internal
AS91505	Examine contemporary leadership principles applied in physical activity Contexts	4	Internal
AS90828	Evaluate a planned personal action that contributes toward a sustainable future	6	Internal
AS91411	Investigate a socio-scientific issue in an Earth and Space Science context	4	Internal
US 24663	Demonstrate leadership while participating in an adventure based learning program	3	Internal

Outdoor Leadership

Level: 3

Code: OL303

Course Information: The focus for this year's course is primarily the development of leadership potential, as well as personal skills, and team skills. This is done through Adventure Based Learning, bushcraft, and rock climbing as supervised leadership of Year 12 Outdoor Education classes.
Students during the outdoor education course will be required to pay a course fee of \$300 to cover most activities and trips.

Prerequisites: Excellence achieved in OE 203 or by interview with T.I.C.

Credits 23

Cost \$300 (Course Fee)

Standard	Title	Credits	Internal/External
US468	Assist in facilitation of an adventure based learning programme for the development of the participants	6	Internal
US474	Assist in facilitation of high ropes course activities for the development of participants	6	Internal
US 20146	Apply concepts of basic risk management as an outdoor recreation leader	5	Internal
AS 90828	Evaluate a planned personal action that contributes toward a sustainable future	6	Internal

Physical Education

Level: 1

Code: PE102

Course Information: There is a mixture of topics that include both practical activities and theoretical concepts relating to Physical Education. This is not a recreation course where you have free time playing games. All the practicals have to be applied and related to theoretical write ups. The modules are NCEA internally assessed. A major module exposes students to a variety of physical activities which involve individual and team sports and recreational activities. Total well-being - The social, mental and spiritual value is analysed while you participate in a range of activities. The factors which influence students' enjoyment and continued involvement are evaluated. Another major module investigates how the theoretical concepts of Anatomy, Exercise Physiology and Biomechanics relate to performing skills in a sport like Basketball. How the muscles of your body function or how your heart rate changes. You do not have to be the most capable Basketballer, however you need to have the desire to investigate how understanding the theoretical principles of Biomechanics and Anatomy would help improve your performance. The course also looks at the interrelationships and personal skills involved while playing a sport. This will include leadership, sports management and team development while playing a sport such as Ultimate Frisbee. Finally, your skill acquisition is assessed in different sports such as Australian Football or Kio Rahi - A historical, dynamic running and passing game.

Prerequisites: Evidence of active and reliable participation in Year 10. If a student has shown a history of an erratic and inconsistent effort during Year 10, he will not be allowed to enroll as all internal assessments must be related to practical application. This is not free time or recreation.

Required for: Year 12 Physical Education.

Credits: 21

Cost: \$50 (Course Fee)

Standard	Title	Credits	Internal/External
AS90962	Participate actively in a variety of physical activities and explain factors that influence own participation. Your Total Well-Being is analysed. Reflect on your spiritual, social and mental well-being while you participate.	5	Internal
AS90963	Demonstrate understanding of the function of the body as it relates to the performance of physical activity. Evaluate the importance of Biomechanics, Anatomy and Exercise Physiology in improving your performance.	5	Internal
AS90964	Demonstrate quality movement in the performance of a physical activity. Australian Rules or Kio Rahi.	3	Internal
AS90965	Demonstrate understanding of societal influences on physical activity and the implications for self and others	4	Internal
AS90966	Demonstrate interpersonal skills in a group and explain how these skills impact on others. Relate theory aspects to Ultimate Frisbee.	4	Internal

Physical Education

Level: 2

Code: PE 203

Course Information: There is a wide range of Physical Education issues and concepts covered in the course. A large component of the course is how you apply training methods to your personal activity. (Practicals in flexibility, aerobic and strength training) Students need to apply theoretical principles to what they are likely to undertake as a sportsman. The Anatomy and Biomechanical Achievement Standard involves the application of theory concepts to how you improve your performance of a chosen sporting activity. How you apply ways to learn skills (breaking down skills into parts and video analysis) and which sport psychology aspects have an effect on your learning. (Visualisation, self-talk and motivation) Significant sociological issues are investigated, such as why sportsman are tempted to take performance enhancing drugs.

Prerequisites: 14 credits in Level 1 102 PE (including AS 90963 Anatomy and Biomechanics); or 14 credits in Level 1 English or Science if student did not complete Level 1 PE102.

Required for: Level 3 Physical Education

Credits 17

Cost \$50 (Course Fee)

Standard	Title	Credits	Internal/External
AS 91328	Demonstrate understanding of how and why biophysical principles relate to the learning of physical skills. Functional Anatomy, Biomechanical principles, skill learning and sport psychology. <i>"Move to improve"</i> .	5	Internal
AS 91329	Demonstrate understanding of the application of biophysical principles to training for physical activity. Apply training methods to your personal programme in Aerobic, Strength and Flexibility work. <i>"Train to gain"</i> .	4	Internal
AS 91330	Perform a physical activity in an applied setting. "Turbo Touch".	4	Internal
AS 91331	Examine the significance for self, others and society of a sporting event, a physical activity, or a festival. Issues in sport like Performance enhancing drugs.	4	Internal

Physical Education

Level: 3

Code: PE 304

Course Information: In the majority of the modules the student must have the ability to apply theoretical concepts to practical performance. Firstly, students must evaluate physical activity experiences to devise strategies for lifelong well-being. Issues such as what motivates people to continue physical activity or recognise the barriers in continuing an active lifestyle. As students' lives become busy and the reasons for taking part in sports fluctuate, it is interesting to examine the participation rates in various leisure activities and try to influence and persuade others to get involved in a leisure activity.

A major module looks at how the student appraises and improves his performance in a chosen skill. The assessment looks at having the ability to breakdown and analyse their golf swing using a video. You must weigh up those aspects of skill execution that have the greatest bearing on improving your performance. Students will be looking at the issues facing our society.

Such as Health issues like obesity and diabetes to sport match fixing.

Prerequisites: Achievement of 13 Level 2 Physical Education credits or 14 credits in Level 2 English. (This has to be reviewed by the H.O.D. Physical Education.) This is not an applied course.

Credits 19 All internal NCEA credits require written explanations in the assessments.

Cost \$50 (Course Fee)

Standard	Title	Credits	Internal/External
AS91498	Evaluate physical activity experiences to devise strategies for lifelong well-being	4	Internal
AS 91499	Analyse a physical skill performance of self or others. The Golf Five Iron shot. Apply Biomechanics Technique and Anatomy	3	Internal
AS91502	Evaluate the effectiveness of a performance improvement programme. Golf Evaluation of improvement programme.	4	Internal
AS 91502	Examine a current physical activity event or trend or issue impacting on New Zealand society. The issue of Obesity.	4	Internal
AS 91501	Demonstrate performance in a physical activity in applied setting	4	Internal

Physics

Level: 2

Code: PX203

Course Information: Physics nurtures an appreciation for the natural phenomena. Students will investigate motion, energy, light, forces, electricity, magnetism, and radioactivity to understand how the laws of the universe lead to the natural world around us from the inner workings of atoms, through waves on the beach to the intricate dance of planets and beyond.

Prerequisites: From SC102: 12 external credits

Required for: Level 3 Physics (PX304)

Credits: 23

Cost: \$25 (Workbook)

Standard	Title	Credits	Internal/External
AS91168	Carry out a practical physics investigation that leads to a non-linear mathematical relationship	4	Internal
AS91170	Demonstrate understanding of waves	4	External
AS91171	Demonstrate understanding of mechanics	6	External
AS91172	Demonstrate understanding of atomic and nuclear physics	3	Internal
AS91173	Demonstrate understanding of electricity and electromagnetism	6	External

Physics

Level: 3

Code: PX304

Course Information: Building on concepts from the L2 Physics course, students will investigate natural phenomena in greater detail. Covering motion, energy, light, forces, electricity, magnetism, and radioactivity, students will become familiar with the laws of the universe and develop their ability to explain events from the inner workings of atoms, through waves on the beach to the intricate dance of planets and beyond.

Prerequisites: 13 credits from PX203, including Merit in either AS 91171 or AS 91173

Credits 23

Cost \$30 (Workbook)

Standard	Title	Credits	Internal/External
AS91521	Carry out a practical investigation to test a physics theory relating two variables in a non-linear relationship	4	Internal
AS91523	Demonstrate understanding of wave systems	4	External
AS91524	Demonstrate understanding of mechanical systems	6	External
AS91525	Demonstrate understanding of Modern Physics	3	Internal
AS91526	Demonstrate understanding of electrical systems	6	External

Programming Technology

Level: 1

Code: PT102

Course Information: The Programming Technology course introduces students to a range of programming contexts. Students work on projects that involve programming for websites, game software and electronics. The course is designed to start students on a pathway that can lead to one of the fastest growing career areas.

For more detailed course information, visit the course [website](#)

Prerequisites: At discretion of HOD

Credits 19

Cost \$30 (Course Fee)

Standard	Title	Credits	Internal/External
AS91073	Implement basic procedures to produce a specified digital media outcome.	4 credits	Internal
AS91075	Construct a plan for a basic computer program for a specified task.	3 credits	Internal
AS91076	Construct a basic computer program for a specified task.	3 credits	Internal
AS91078	Implement basic interfacing procedures in a specified electronics environment.	3 credits	Internal
AS91079	Implement basic techniques in constructing a specified electronic and embedded system.	3 credits	Internal
AS91074	Demonstrate understanding of basic concepts from computer science.	3 credits	External

Religious Education

Level: 1

Code: RE102

Course Information: The Religious Education programme is based on the Understanding Faith resource from the National Centre of Religious Studies (NCRS). The programme covers church history with particular focus on the Reformation time period, Conscience and Morality and Biblical Studies. The health topic will focus on drug and alcohol education. The health topic is in line with Catholic Church teachings. The Religious Education course consists of three Achievement Standards which are all internally assessed. Each Achievement Standard is worth six credits. The department will offer 18 credits in total during the year.

Spirituality: All students will participate in a retreat as part of faith formation and development. It is an expectation for all students to attend the year level retreat.

Please note that topics from Achievement Standards can be subject to change during the course of the academic year at the discretion of the Director of Religious Studies.

Credits 18

Cost Retreat \$25 approx

Standard	Title	Credits	Internal/External
AS90816	11F: Understanding the Gospel Story	6	Internal
AS90817	11D: Reformation	6	Internal
AS90818	11B: Conscience, Morality and Values	6	Internal

Religious Education

Level: 2

Code: RE203

Course Information: The Religious Education programme is based on the Understanding Faith resource from the National Centre of Religious Studies (NCRS). The programme covers Religions of the World with reference to Islam, Biblical Studies and Justice and Peace. The health topics will include the Tots 'n' Toddlers programme run by the Plunket Society. This topic is an internally assessed Unit Standard. Sexuality Education is also taught in this year level and is in line with Catholic Church teachings. The Religious Education course consists of three Achievement Standards which are all internally assessed. Each Achievement Standard is worth six credits. The department will offer 18 Achievement Standard credits and three Unit Standard credits.

Spirituality: All students will participate in a retreat as part of faith formation and development. It is an expectation for all students to attend the year level retreat.

Please note that topics from Achievement Standards can be subject to change during the course of the academic year at the discretion of the Director of Religious Studies.

Credits 21

Cost Retreat \$30 approx

Standard	Title	Credits	Internal/External
US10021	Meeting Children's Basic Needs - Plunket	3	Internal
AS91724	12E: Biblical Studies	6	Internal
AS90822	12B :Justice and Peace	6	Internal
AS90823	12A: Religions of the world	6	Internal

Religious Education

Level: 3

Code: RE304

Course Information: The Religious Education programme is based on the Understanding Faith resource from the National Centre of Religious Studies (NCRS). The programme covers three topics: Current Religious Issues focusing on the topic of Euthanasia and Invitro-Fertilisation, Sects and Cults and Finding Meaning in our World. The health topic is Sexuality Education with particular focus on attitudes towards sexuality and relationships. The health topic is in line with Catholic Church teachings. The Religious Education course consists of three Achievement Standards which are all internally assessed. Each Achievement Standard is worth six credits. The department will offer 18 credits in total during the year.

Spirituality: All students will participate in a retreat as part of faith formation and development. It is an expectation for all students to attend the year level retreat.

Please note that topics from Achievement Standards can be subject to change during the course of the academic year at the discretion of the Director of Religious Studies.

Credits 18

Cost Retreat \$100 approx

Standard	Title	Credits	Internal/External
AS90827	13A : Finding Meaning	6	Internal
AS90826	13C: Ethics and Ethical Issues	6	Internal
AS90825	13B : Sects and Cults	6	Internal

Samoan

Level: 1

Code: SA102

Course Information: The senior Samoan classes study the more complicated language and cultural features, skills and experiences ranging from familiar surroundings to unfamiliar and complex contexts. This includes describing family environments, conversing with different people, taking on the role of (matai) chiefs in a village council performing their daily responsibilities. Each time the calibre of the language and cultural expectations increase in difficulty.

Prerequisites: High motivation and effort shown in Year 10 Samoan

Required for: L2 Samoan

Credits 24

Cost \$35 approx (Course Fee)

Standard	Title	Credits	Internal/External
AS90903	Demonstrate understanding of a variety of spoken Samoan texts on areas of most immediate relevance.	5	External
AS90904	Give a spoken presentation in Samoan that communicates a personal response.	4	Internal
AS90905	Interact using spoken Samoan to communicate personal information, ideas and opinions in different situations.	5	Internal
AS90906	Demonstrate understanding of a variety of Samoan texts on areas of most immediate relevance.	5	External
AS90907	Write a variety of text types in Samoan on areas of most immediate relevance.	5	Internal

Samoan

Level: 2

Code: SA203

Course Information: The senior Samoan classes study the more complicated language and cultural features, skills and experiences ranging from familiar surroundings to unfamiliar and complex contexts. This includes describing family environments, conversing with different people, taking on the role of (matai) chiefs in a village council performing their daily responsibilities. Each time the calibre of the language and cultural expectations increase in difficulty.

Prerequisites: 12 Credits in Level 1 Samoan

Required for: Level 3 Samoan

Credits 24

Cost \$35 approx (Course Fee)

Standard	Title	Credits	Internal/External
AS91143	Demonstrate understanding of a variety of spoken Samoan texts on familiar matters.	5	External
AS91145	Give a spoken presentation in Samoan that communicates information, ideas and opinions.	4	Internal
AS91144	Interact using spoken Samoan to share information and justify ideas and opinions in different situations.	5	Internal
AS91146	Demonstrate understanding of a variety of written and/or visual Samoan texts on familiar matters.	5	External
AS91147	Write a variety of text types in Samoan to convey information, ideas and opinions in genuine contexts.	5	Internal

Samoan

Level: 3

Code: SA304

Course Information: The senior Samoan classes study the more complicated language and cultural features, skills and experiences ranging from familiar surroundings to unfamiliar and complex contexts. This includes describing family environments, conversing with different people, taking on the role of (matai) chiefs in a village council performing their daily responsibilities. Each time the calibre of the language and cultural expectations increase in difficulty.

Prerequisites: 12 Credits in Level 2 Samoan

Credits 24

Cost \$35 approx (Course Fee)

Standard	Title	Credits	Internal/External
AS91563	Demonstrate understanding of a variety of extended spoken Samoan texts.	5	External
AS91564	Give a clear spoken presentation in Samoan that communicates	3	Internal
AS91565	Interact clearly using spoken Samoan to explore and justify varied ideas and perspectives in different situations.	6	Internal
AS91566	Demonstrate understanding of a variety of extended written and/or visual Samoan texts.	5	External
AS91567	Write a variety of text types in clear Samoan to explore and justify varied ideas and perspectives.	5	Internal

Science

Level: 1

Code: SC101

Course Information: Science 101 teaches you about the biological, chemical, and physical world around you. You learn to explore these by scientific investigations, creative problem solving and communication. Science 101 offers an alternative pathway to the 102 course and is suited for those with a passion for Science, who may intend to pursue a vocation that requires some Science credits. Students seeking University Entrance should select Science 102. The standards offered in this Science course are being reviewed for 2015. All standards will be internally assessed.

Prerequisites: Recommendation from year 10 Science teacher.

Required for: Science 202.
Science 101 students can also elect to sit an external Science Achievement Standard and, on attaining Merit or higher, are granted entry into the corresponding L2 Biology/Chemistry/Physics course.

Credits The standards listed below are indications of intent and the number of standards and standards offered may change. Information regarding standards and credits for this course will be available before 2016

Cost \$25 (Course Fee)

Standard	Title	Credits	Internal/External
AS90942	Investigate implications of wave behaviour for everyday life	4	Internal
AS90946	Investigate the implications of the properties of metals for their use in society	4	Internal
AS90950	Investigate biological ideas relating to interactions between humans and micro-organisms	4	Internal
AS90930	Carry out a practical chemistry investigation, with direction	4	Internal
AS90925	Carry out a practical investigation in a biological context, with direction	4	Internal
AS90955	Investigate an astronomical or Earth science event	4	Internal

Science

Level: 1

Code: SC102

Course Information: Science 102 teaches you about the biological, chemical, and physical world around you. Topics include: chemical reactions; motion; genetics; and electricity. You learn to explore these through scientific investigations, creative problem solving and communication.

Prerequisites: Entry is based on the results of Year 10 Science assessments and the advice of the subject teacher.

Required for: Biology 203, Chemistry 203, Physics 203

Credits 20

Cost \$25 (Course Fee)

Standard	Title	Credits	Internal/External
AS90940	Demonstrate understanding of aspects of mechanics	4	External
AS90941	Investigate implications of electricity and magnetism for everyday life	4	Internal
AS90944	Demonstrate understanding of aspects of acids and bases	4	External
AS90947	Investigate selected chemical reactions	4	Internal
AS90948	Demonstrate understanding of biological ideas relating to genetic variation	4	External

Science

Level: 2

Code: SC202

Course Information: Science 202 presents an opportunity for continued exploration of Science, providing credits important for entry into a range of career paths including plumbing, electrical, and armed services

Prerequisites: Entry is based on the results of Year 11 Science assessments and the advice of the subject teacher.

Credits ~20

Cost \$25 (Course Fee)

Standards listed here are only intended as an indication of what may be offered in 2016

Standard	Title	Credits	Internal/External
AS91191	Investigate geological processes in a New Zealand locality	4	Internal
AS91154	Analyse the biological validity of information presented to the public	3	Internal
AS91163	Demonstrate understanding of the Chemistry used in the development of a current technology	3	Internal
AS91162	Carry out procedures to identify ions present in solution	3	Internal
AS90948	Demonstrate understanding of atomic and nuclear physics	3	Internal
AS91153	Carry out a practical investigation in a biology context, with supervision	4	Internal

Statistics & Modelling

Level: 3

Code: MS304

Course Information: This course continues the earlier study of Statistics, and is designed to improve student abilities to deal with simple modeling. It aims to develop student's awareness of the practical application of Statistics, and to reinforce and extend basic algebraic skills. The ability to handle data is an essential skill in today's world, so this course is useful and suitable for most students advancing to any form of tertiary study.

Prerequisites: A passing grade in Achievement Standard 91267 and a further 8 credits from MS203.

Credits 22 (18 Internal, 4 External)

Cost \$110.00 approx for graphics calculator. (Workbooks will also be required, cost to be advised by the teacher)

Standard	Title	Credits	Internal/External
AS91587	Apply systems of simultaneous equations in solving problems	3 credits	Internal
AS91582	Use statistical methods to make a formal inference	4 credits	Internal
AS91585	Apply probability concepts in solving problems	4 credits	External
AS91581	Investigate bivariate measurement data	4 credits	Internal
AS91580	Investigate time series data	4 credits	Internal
AS91574	Apply linear programming methods in solving problems	3 credits	Internal

Te Reo Maori

Level: 1

Code: MI 102

Course Information: In this course you learn:

1. to write clearly in Maori in a variety of forms, to convey your thoughts accurately on a number of topics
2. to use sentence patterns and vocabulary accurately up to level 6 of the curriculum.
3. to speak Maori with accurate pronunciation and intonation.
4. to read Maori for meaning and understanding.
5. to listen and understand spoken Maori.

You will also continue to learn and develop your knowledge in tikanga Maori and participate in cultural practices to enhance your learning in Te Reo Maori.

Prerequisites: Year 10 Te Reo Maori or assessment of language skills by the teacher.

Required for: Year 12 & 13 Maori.

Credits: 24

Cost: \$60 Noho Marae Visit

Standard	Title	Credits	Internal/External
AS91085	Whakarongo i te reo o tōna ao mōhio	6	Internal
AS91086	Kōrero i te reo o tōna ao mōhio	6	Internal
AS91087	Pānui i te reo o tōna ao mōhio	6	External
AS91088	Tuhituhi i te reo o tōna ao mōhio	6	External

Te Reo Maori

Level: 2

Code: MI203

Course Information: This course extends written, spoken, listening and reading skills acquired from NCEA Level 1 Te Reo Maori, and aims to extend knowledge and understanding of the Maori world. You will continue to develop your knowledge in Te Reo Maori by participating and practising a number of tikanga to enhance your learning. The course covers topics such as Hui Maori, Hakinakina Purakau and Nga Kaupapa Rangatahi.

Prerequisites: 12 credits from Level 1 Te Reo Maori. 6 Internal and 6 External

Required for: Year 13 Maori.

Credits 28

Cost \$60 (Noho Marae Visit)

Standard	Title	Credits	Internal/External
AS91284	Whakarongo i te reo o tōna ao mōhio	4	Internal
AS91285	Kōrero i te reo o tōna ao mōhio	6	Internal
AS91286	Pānui kia mōhio ki te reo o te ao torotoro	6	External
AS91287	Tuhituhi i te reo o tōna ao mōhio	6	External
AS91288	Hanga Tuhinga i roto i te reo o tona ao mohio	6	Internal

Te Reo Maori

Level: 3

Code: MI304

Course Information: This course aims at developing listening, reading, writing, and speaking skills in Te Reo Maori. It also aims to extend the students understanding of, and sensitivity to, Nga Tikanga Maori (Maori culture) and Te Ao Maori (the Maori world). The course covers topics such as, kawa, waiata tawhito me nga take Maori i roto i te ao 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.

Prerequisites: 12 credits from Level 2 Te Reo Maori. 6 Internal and 6 External

Credits 28

Cost \$60 (Noho Marae Visit)

Career Links Interpreter, Teacher, Policy Analyst, Diplomat, Researcher, Journalism and Tourism.

Standard	Title	Credits	Internal/External
AS91650	Whakarongo kia mōhio ki te reo o te ao whānui	4	Internal
AS91651	Kōrero kia whakamahi i te reo o te ao whānui	6	Internal
AS91652	Pānui kia mōhio ki te reo Māori i te ao whānui	6	External
AS91653	Tuhituhi i te reo o te ao whānui	6	External
AS91654	Waihanga Tuhinga whai take i te reo Māori o te ao whānui	6	Internal

Technology

Level: 1

Code: TN102

Course Information: The Technology 102 course involves students building a slot car to specifications, for use on the College racetrack. They manipulate materials including metal and plastics, involving a range of equipment and processes. The second project involves brief development, stakeholder consultation, ongoing planning and evaluation as students develop a refined chassis and body for their slot car. There is a significant degree of skills development and equipment knowledge learned within the project context. Students are challenged to increase their problem solving skills and produce an outcome they can be proud of. There is a major emphasis on written documentation throughout the process. Literacy skills and self management are important for success. A written report demonstrating understanding of how materials enable technological products to function is submitted at the end of the year for external assessment.

For more detailed course information, visit the course [website](#)

Prerequisites: None, but good grades in Year 10 Technology are preferred

Required for: Technology 203 and 304

Credits 20

Cost \$80 (Equipment and materials)

Standard	Title	Credits	Internal/External
AS91057	Implement basic procedures using resistant materials to make a specified product	6 credits	Internal
AS91044	Undertake brief development to address a need or opportunity	4 credits	Internal
AS91047	Undertake development to make a prototype to address a brief	6 credits	Internal
AS91049	Demonstrate understanding of how materials enable technological products to function	4 credits	External

Technology

Level: 2

Code: TN203

Course Information: The Technology 203 course builds on the Level 1 course, as students develop their skills in materials manipulation. Students design and fabricate a fibreglass model boat hull, and design and fit a rudder mechanism. Extension work involves integrating remote control components to enhance the model. Students use ongoing planning and evaluation as they write and refine a brief and develop the outcome. Stakeholder consultation, research and investigation inform the student's work. Skills and equipment knowledge are developed within the project context. Students are challenged to solve problems as they arise. Creativity and innovation are encouraged in a supportive environment. There is a major emphasis on written documentation throughout the process. Literacy skills and self-management are important for success. A written report demonstrating understanding of the role of material evaluation in product development is submitted at the end of the year for external assessment.

For more detailed course information, visit the course [website](#)

Prerequisites: 14 credits in Level 1 Technology or at discretion of HOD

Required for: Technology 304

Credits 18

Cost \$95 (Equipment and materials)

Standard	Title	Credits	Internal/External
AS91354	Undertake brief development to address an issue	4 credits	Internal
AS91355	Select and use planning tools to manage the development of an outcome	4 credits	Internal
AS91357	Undertake effective development to make and trial a prototype	6 credits	Internal
AS91359	Demonstrate understanding of the role of material evaluation in product development	4 credits	External

Technology

Level: 3

Code: TN304

Course Information: The Technology 304 course builds on the Level 2 course. Students are extended further, both in practical skills and critical thinking. At this level the student will need to have a high level of motivation and self management in order to succeed. The contexts are mechatronics, robotics and electronic toys. This involves electronics, mechanisms and programming. Creativity and innovation are encouraged and the student will face a number of challenges along the way. Critical aspects include project management, consultation with the target audience and stakeholders, ongoing evaluation, and responsive planning that takes into account the many variables and fluid nature of technological practice. There is an emphasis on critical thinking within written documentation throughout the process.

For more detailed course information, visit the course [website](#)

Prerequisites: 14 credits in Level 2 Technology or at discretion of HOD

Credits 18

Cost \$100 (Equipment and materials)

Standard	Title	Credits	Internal/External
AS91608	Undertake brief development to address an issue within a determined context.	4 credits	Internal
AS91609	Undertake project management to support technological practice.	4 credits	Internal
AS91611	Develop a prototype considering fitness for purpose in the broadest sense.	6 credits	Internal
AS91612	Demonstrate understanding of how technological modelling supports technological development and implementation.	4 credits	External

Tourism

Level: 3

Code: TO303

Course Information: Successful students of this class will gain a New Zealand Certificate in Tourism (Level 3) with strands in Visitor Experience, Tourism and Travel, and Aviation. This course will allow students to demonstrate customer service and communication skills. The qualification also recognises the skills involved in using the English language, and mathematics in the context of the tourism and travel industry. The elective sections recognise the diversity of tourism workplaces and allow candidates to select tourism standards relevant to their workplace and career direction, which includes skills in retail and sales, and competencies from a broad range.

Prerequisites: Entry into TO303 requires at least 45 credits in NCEA Level 2, or at least 16 credits in the National Certificate of Tourism Level 2. Students must be studying **at least one** other 303 course as a part of their other subject combinations, and be accepted into the Gateway and Transition programme.

Credits At least 24 credits available - more credits are available for those who are committed and well organised.

Qualification outcomes		Conditions
1	Implement basic customer service skills, applying appropriate communication, literacy and numeracy skills, to enhance the visitor experience Level 3, Credit 20	Suggested standards: <i>23759 Provide customer service experiences in a tourism workplace</i> Level 3 Credit 10 <i>18226 Demonstrate cross-cultural communication for the tourism and travel industry</i> Level 3 Credit 3 <i>23769 Demonstrate knowledge of the sales function within a tourism workplace</i> Level 3 Credit 3 <i>17384 List and use a range of te reo Māori greetings and farewells in tourism</i> Level 3 Credit 3
2	Apply workplace practices required of an aviation, tourism or travel workplace including: teamwork, timeliness, and compliance with relevant Acts and health and safety legislation Level 3, Credit 10	Suggested standards: <i>25352 Demonstrate and apply knowledge of environmental responsibility in a tourism workplace</i> Level 3 Credit 4 <i>23768 Describe the legal rights and responsibilities of employees and employers in a tourism workplace</i> Level 3 Credit 5 <i>18227 Demonstrate knowledge of support mechanisms for customers with specific needs</i> Level 3 Credit 2
Various credits are available in the following strands that are designed to allow students to customize their learning experience. The strands are: Visitor Experience strand, Tourism and Travel strand, and Aviation strand		