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INTRODUCTORY NOTES

This booklet is arranged in Faculties to assist you in locating information about the subjects offered at Fairfield College.

1. All courses have information about any pre-requisite(s) required for entry. Read these pre-requisites carefully. Decisions as to the course finally to be undertaken should consider:

- * demonstrated competence by a student to study at a particular level in a subject.
- * determination by the student to fulfil course requirements
- * future training or job aspirations of the student
- * the best interest of the student, bearing in mind the overall programme of study proposed.

If a student feels that s/he has been unfairly denied entry to a course, s/he should contact the Curriculum Deputy Principal, Mrs Hamilton.

2. The courses listed will be offered where there are sufficient numbers to justify running a class and the school has staffing available to provide tuition. Where a subject is not offered, the school will endeavour to organise appropriate study through measures such as distance learning, to cater for the individual's needs.
3. Financial assistance is available for those who need help with payment of course costs or fees, including qualifications' entry fees. For help with course costs or fees see either the subject teacher or the appropriate Dean. For qualifications entry fees, see the Student Support Centre Manager, Mrs Tarrant.

The subject choice book is set out in two main sections.

Section One - is an outline of the course requirements and qualifications at Fairfield College.

Section Two - is a summary of all full year subject courses at Fairfield College. It is set out in subjects. Check the qualification available for each subject.

SECTION ONE

SENIOR COURSE REQUIREMENTS - 2012

Year 11:

Students will select six subjects. These will include an English course and a Mathematics course. Students are strongly recommended to do Recreation and Health Education.

Year 12:

Students will select six subjects, usually chosen from Level 1 or Level 2 courses. One must be an English course. It is recommended that a Mathematics course is also included.

Year 13:

Most students will select five Level 3 subjects, excluding any Recreation and Health Education. Students doing less than three Level 3 courses will study six subjects and do not qualify for a study period.

Students are advised to check requirements of any planned tertiary course. They should see either Mr Hausmann or Mrs Rae-Middleton if advice is needed.

Course Titles

Courses which deliver qualifications primarily at one level of the Qualifications framework are listed by that level, i.e. Levels 1, 2, 3 or 4.

Courses which deliver qualifications across levels of the framework or those using industry-based material will have the words Introductory, Advanced, Foundation or Multi-level in their titles.

QUALIFICATIONS FOR THE FUTURE

NATIONAL CERTIFICATE OF EDUCATION ACHIEVEMENT

This is awarded at three levels:

- Credits will be gained by external examinations and/or internal assessments in either achievement or unit standards.
- Results will show credits and grades for separate skills and knowledge.

- Level 1 Requires 80 credits, including ten (10) each in literacy and numeracy standards.
- Level 2 Requires 80 credits, of which 60 must be at Level 2 or better and the other 20 may be Level 1 on the qualifications framework.
- Level 3 Requires 80 credits, of which 60 must be at Level 3 and the other 20 may be Level 2 on the qualifications framework.

Scholarship

Students will be able to enter one or more scholarship external examinations. The exam is based on the content covered at Level 3.

Attaining a scholarship is an award. It is not a qualification. There are monetary awards associated with achieving a scholarship.

Degree entry to universities by Level 3 study in 2012

(NB) These requirements will change in 2015.

If you are gaining your entry qualification through study in New Zealand you must achieve all of the following as a minimum (this includes international students):

- 42 credits at Level 3 or higher, including a minimum of 14 credits at Level 3 (or higher) in each of two subjects from the approved subject list.
- A further 14 credits at Level 3 (or higher) taken from no more than two additional domains on the qualifications framework or approved subjects.
- A minimum of 14 credits at Level 1 (or higher) in Mathematics or Pangarau on the qualifications framework.
- A minimum of 8 credits at Level 2 (or higher) in English or Te Reo Maori (four in reading and four in writing, selected from a schedule of approved achievement and unit standards).
- For students looking to enter universities in 2014, these requirements will be changed.

THIS DOES NOT GUARANTEE ENTRY TO THE DEGREE OR SUBJECTS OF YOUR CHOICE – in many cases, a higher level of achievement will be required, either by means of a greater total number of credits or a proportion of merit and excellence grades.

Many degrees at polytechnics, institutes of technology and private training enterprises also require this entry standard and a number also have requirements well above this minimum level.

Discretionary entry, which is particularly designed for able students to move to university degree study from Year 12, will require meeting as a minimum, numeracy and literacy requirements (see above), together with high levels of achievement in Level 2 subjects (often from the list approved for University Entrance).

**Please check information for student and their parents or caregivers for
2012 NCEA Qualifications**

LITERACY FOR UNIVERSITY ENTRANCE

(Required for entry to all seven universities and for many polytechnic/institute of technology degrees)

ENGLISH

4 Reading Credits

4 Writing Credits

The same standard cannot be used for both Reading and Writing but can be apportioned

Standards	Credits	Reading	Writing	I/E	
Scholarship		√	√		13ENG
Achievement Standards					
90720	4		√	I	13ENG
90721	3	√	√	E	13ENG
90722	3	√	√	E	13ENG
90724	3	√		E	13ENG
90726	4	√	√	I	13ENG
2.1	4	√	√	E	12ENG
2.2	4	√	√	E	12ENG
2.4	6		√	I	12ENG, 12ENA
2.7	4	√		I	12ENG
2.9	4	√		I	12ENG, 12ENA

TE REO MAORI

Achievement Standards	Credits	Reading	Writing	I/E	
90441	6	√		E	12MAO
90770	4		√	E	12MAO
90781	3	√		E	13MAO
90784	3	√		E	13MAO
US7259	7		√	I	13MAO

LIST OF SUBJECTS APPROVED FOR UNIVERSITY ENTRANCE OFFERED AT FAIRFIELD COLLEGE

Accounting	Calculus
Biology	Media Studies
Chemistry	Music
Classical Studies	Painting (Practical Art)
Computing	Physical Education
Drama	Physics
Economics	Printmaking (Practical Art)
English	Home Economics
Geography	Statistics and Modelling
Graphics	Te Reo Maori
History	

OTHER APPROVED SUBJECTS FOR WHICH TUITION BY DISTANCE LEARNING HAS BEEN OFFERED

Agriculture/Horticulture	French	History of Art
Chinese (Mandarin)	Economics	Spanish

ARTS FACULTY

VISUAL ART

LEVEL 1 PRACTICAL ART (Code: 11ARC)

- Qualification:** Achievement Standards Level 1
- Entry Requirements:** Year 10 Art or negotiation with the teacher in charge of art.
- Cost:** Course fee is set in March - approximately \$40
- Course Description:** Students will use their technical skills in drawing, printmaking, painting and mixed media to create original and effective expressions of their interpretation of an aspect or aspects of their environment.

	No.	Title	Level	Credit	I/E
AS	90914	Use drawing methods and skills for recording information using wet and dry media	1	4	I
AS	90915	Use drawing conventions to develop work in more than one field of practice	1	6	I
AS	90916	Produce a body of work informed by established practice, which develops ideas using a range of media	1	12	E
Total				22	

LEVEL 2 PRACTICAL ART (Code: 12ARC)

- Qualification:** Achievement Standards Level 2
- Entry Requirements:** Year 11 Practical Art or can be negotiated with the Teacher in Charge of art if a student has aptitude and is willing to work to catch up on skills required at this level.
- Cost:** Course fee is set in March – approximately \$40. Extra costs can be incurred depending on materials chosen by student.
- Course Description:** Drawing continues to be studied as the central means of communicating, expressing and developing ideas. Technical skills required in any of the disciplines studied are taught and extended to the level of development required.
A full year's course (usually totalling 24 credits) can be structured in any one of the two disciplines offered or studied in a combination, according to student interest or ability.

PAINTING

	No.	Title	Level	Credit	I/E
AS	90476	Generate and develop ideas using drawing processes and procedures in painting practice	2	6	I
AS	90479	Produce a body of work within painting to show understanding of art making methods and ideas	2	12	E
Total				18	

PRINTMAKING

	No.	Title	Level	Credit	I/E
AS	90478	Generate and develop ideas using drawing processes and procedures in printmaking practice	2	6	I
Total				6	

LEVEL 3 PRACTICAL ART (Code: 13ARC)

Qualifications: Achievement Standards Level 3

Entry Requirements: Year 12 Practical Art or Folio. All students need to approach the Teacher in Charge of Art for an interview during the subject choice round. This is to ensure all course requirements are clear and can be met.

Cost: \$40.00 basic. Extra costs may be incurred according to subject and materials chosen by student for use.

PAINTING

Course Description: Drawing is used to explore the chosen subject and develop and clarify concepts through a sequence of working drawings, small works, painting studies and finished paintings. The student works to define ideas and reach a final conclusion to their study.

	No.	Title	Level	Credit	I/E
AS	90659	Research an art making tradition and discuss its links to relevant recent painting practice	3	4	I
AS	90663	Investigate and use ideas and methods in the context of a drawing study in painting	3	6	I
AS	90667	Produce original work within painting to show extensive knowledge of art-making methods and ideas	3	14	E
			Total	24	

LEVEL 3 HISTORY OF ART (Code: 13ARH)

Qualifications: Achievement Standards Level 3

Entry Requirements: Literacy requirements for University entrance

Course Description: This course gives insight into the significance, relevance and social implications of art making in particular times in history. Study includes research and response components which are supported by viewing exhibitions. Naturally, it adds depth of understanding to the work of students studying a practical art subject. It is also a relevant life skill and a useful support subject in all other degree and teaching qualification areas.

	No.	Title	Level	Credit	I/E
AS	90490	Analyse style in art	3	5	E
AS	90491	Interpret iconography in art	3	4	E
AS	90492	Examine media and processes in art	3	3	I
AS	90493	Explain a theory and its role in art	3	4	E
AS	90494	Investigate an art history topic	3	4	I
AS	90495	Examine the context of an art movement	3	4	E
			Total	24	

DANCE

LEVEL 1 DANCE (Code: 11DAN)

Qualification:	Achievement Standards Level 1
Entry Requirement:	Year 10 Dance or negotiation with the Teacher in Charge of Dance.
Cost:	\$50 for course booklet.
Course Description:	<p>This course will allow students the opportunity to develop knowledge and understanding of the choreographic process. Students will explore, develop and use the elements of dance and choreographic processes to compose their own movement sequences.</p> <p>They will also have an opportunity to learn a variety of dance styles and genres to eventually perform in formal assessments.</p> <p>Throughout the year students will be expected to attend a number of live dance performances that will enhance their understanding of dance as a form of artistic expression. Students must be prepared and capable of participating in all dance assessments.</p>

	No.	Title	Level	Credit	I/E
AS	9001	Compose movement sequences	1	6	I
AS	9002	Perform dance sequences	1	6	I
AS	9003	Perform a dance as a member of a group	1	4	I
AS	9004	View, interpret and respond to a dance performance	1	4	E
AS	9005	Demonstrate knowledge of a dance genre or style	1	4	E
			Total	24	

LEVEL 2 DANCE (Code: 12DAN)

Qualification:	Achievement Standards Level 2
Entry Requirement:	To enter this course a student needs to have achieved 12 credits in NCEA Level 1 dance or by negotiation with the teacher. A proven attendance record is also required. Students who fail to meet these requirements will need to seek the approval of the Teacher in Charge of dance if they wish to enter this course.
Cost:	\$10 for the course booklet and a 1B5 exercise book.
Course Description:	<p>This course continues to build on the knowledge and understanding of the choreographic process. Level 2 Dance places a high emphasis on performance, therefore students must be prepared to perform in a group and on their own. Students will also attend live dance performances throughout the year. This course is a sound platform for those students wishing to go on to further study at tertiary level in the area of performing arts.</p>

	No.	Title	Level	Credit	I/E
AS	90293	Choreograph a section of dance for a group	2	5	I
AS	90294	Choreograph a solo dance	2	5	I
AS	90295	Perform an ethnic or social dance	2	3	I
AS	90296	Perform a theatre dance work	2	3	I
AS	90297	Analyse and discuss a dance performance	2	4	E
AS	90298	Demonstrate knowledge of influences on a selected dance genre or style	2	4	E
			Total	24	

DRAMA

LEVEL 1 DRAMA (Code: 11DRA)

Qualification: Achievement Standards Level 1

Entry Requirements: Open to students working at Level 5 of the drama curriculum or by negotiation with the teacher in charge of drama. A sound attendance record is required.

Course Description: This course includes improvisation, voice production, movement and the development of a range of performance and performance review skills. Evening performances are held to provide students with a richer performance experience than the classroom offers.

Cost: This course may be taken as a stand-alone course or as preparation for the Year 12 course.
\$30 for costume hire.

	No.	Title	Level	Credit	I/E
AS	90006	Demonstrate appropriate drama techniques in a dramatic context	1	4	I
AS	90007	Use elements and conventions to devise, structure and perform a drama	1	4	I
AS	90999	Demonstrate knowledge of a drama/theatre form	1	4	I
AS	90009	Perform an acting role in a scripted production	1	5	I
AS	90011	Apply knowledge of drama processes and performance in a new context	1	5	E (written)
				Total	22

LEVEL 2 DRAMA (Code: 12DRA)

Qualification: Achievement Standards Level 2

Entry Requirements: To enter this course a student needs to have achieved 12 credits at NCEA Level 1 Drama. A proven attendance record is also required. Students who fail to meet these requirements will need to seek the approval of the Teacher in Charge of drama if they wish to enter this course.

Course Description: This course includes improvisation and the development of a wide range of performance skills through performing for a variety of school audiences. The viewing and reviewing of Drama productions is also part of the course. Students will also gain knowledge of the history of theatre. Evening performances are held to provide students with a richer performance experience than the classroom offers.

Cost: \$30 for costume hire.

		Title	Level	Credits	I/E
AS	90300	Apply drama techniques in a group within a scripted context	2	3	I
AS	90301	Structure, record and perform devised drama using elements and conventions	2	4	I
AS	90302	Apply knowledge of a drama/theatre form or period through performing a role in a presentation	2	5	I
AS	90303	Perform a substantial acting, technical or production role	2	5	I
AS	90304	Apply knowledge of and make judgements about drama processes and performance in a new context	2	5	E
				Total	22

LEVEL 3 DRAMA (Code: 13DRA)

Qualification: Achievement Standards Level 3

Entry Requirements: To enter this course a student needs to have gained 12 or more credits in Level 2 Drama. A proven attendance record is required. Students who fail to meet these requirements will need to seek the approval of the Teacher in Charge of Drama if they wish to enter this course.

Course Description: This exciting course builds on skills and knowledge already gained in the Level 1 and 2 Drama courses. Year 13 Drama offers the following work: devising based on a common theme, performance of a script as part of a small group, performance of a substantial scripted work as part of a large group and analysis of and reflection on drama processes.

Cost: \$30 for costume hire.

		Title	Level	Credits	I/E
AS	90608	Interpret scripted text and integrate drama techniques in solo or paired performance	3	5	I
AS	90609	Devise, script and perform drama for solo, duo or trio performance	3	5	I
AS	90611	Research and carry out a performance or technical/ production role in a significant production	3	6	I
AS	90612	Analyse drama processes in a new context and reflect critically on drama performance	3	4	E
			Total	20	

MUSIC

LEVEL 1 MUSIC (Code: 11MUS)

Qualification: A combination of Level 1 Achievement Standards

Entry Requirement: Satisfactory completion of Year 10 Music option or theory to Grade 3 level

Course Description: Students in this course will develop skills in performance, composition, musical knowledge, music technology and aural. Students will select from a range of Achievement Standards to gain a qualification that is relevant to their interests and future plans. Under the guidance of the teacher, students will choose at least 16 credits of Achievement Standards that support their personal goals in music to form an individual learning plan for the year.

Aims: To develop musical skills in students who are interested in music as a career or recreation.

Cost: \$10 for a course booklet and \$20 administration cost for those having in-school vocal or instrumental tuition and approximately \$15 for the theory book.

	No.	Title	Level	Credit	I/E
AS	91090	Perform two pieces of music as a featured soloist	1	6	I
AS	91091	Demonstrate ensemble skills through performing a piece of music as a member of a group	1	4	I
AS	91092	Compose two original pieces of music	1	6	I
AS	91093	Demonstrate aural and theoretical skills through transcription	1	4	E
AS	91094	Demonstrate knowledge of conventions used in music scores	1	4	E
AS	91095	Demonstrate knowledge of two music works from contrasting contexts	1	6	I
US	16549	Demonstrate music performance skills by two pieces of contrasting style on a second instrument	1	8	I

LEVEL 2 MUSIC (Code: 12MUS)

- Qualification:** A mixture of Achievement and Unit Standards at Level 1 and 2
- Entry Requirement:** 16 credits from Level 1 Music or Theory to Grade 5 level
- Cost:** \$10 course booklet, \$20 for those having in school vocal or instrumental tuition and approximately \$15 for the theory book.
- Course Description:** This course follows on from Year 11 Music. It includes performance, composition, musical knowledge (analysis) and aural, in more depth than Level 1. It further extends students' range of styles, composers and instruments. Students must be receiving instrumental or vocal tuition throughout the year either from private lessons or through the school music tutors. Students may pick up Unit Standards from the Level 1 course that they have not previously attained. Standards will be selected from the following after consultation with student, teacher and parent.

	No.	Title	Level	Credit	I/E
AS	90264	Present contrasting performances as a featured soloist	2	5	I
AS	90265	Present a music performance as a member of a group	2	2	I
AS	90266	Compose effective pieces of music	2	5	I
AS	90267	Create an instrumentation	2	2	I
AS	90268	Identify, describe and transcribe elements of music through listening to a range of music	2	3	E
AS	90269	Demonstrate an understanding of the materials and processes of music in a range of scores	2	2	E
US	16550	Demonstrate music performance skills before an audience by three pieces on a second instrument.	2	8	I

LEVEL 3 MUSIC (Code: 13MUS)

- Qualifications:** A combination of Level 2 and 3 Achievement Standards and Unit Standards
- Entry Requirement:** 16 credits in Year 12 Music or 4 years instrumental/vocal experience
- Cost:** \$10 course booklet, \$20 administration cost for those having in-school vocal or instrumental tuition and approximately \$15 for the theory book.
- Course Description:** This course includes study in performances, composition, musical knowledge (analysis) and aural. The course emphasises harmony, music literature and aural perception of styles. Performance and composition will be assessed internally. Musical knowledge and aural will be examined in an external examination. Students will choose to specialise in either performance or composition and music research topics. Standards will be selected from the following after consultation with student, teacher and parent.

	No.	Title	Level	Credit	I/E
AS	90497	Examine the contexts that influence the expressive qualities of music	3	3	I
AS	90498	Compare and contrast music works	3	8	E
AS	90499	Research and present a music topic	3	6	I
AS	90526	Present a performance of a programme of music as a member of a group	3	4	I
AS	90527	Arrange music	3	4	I
AS	90775	Present a portfolio of music composition	3	8	I
AS	90776	Prepare and present performances of music as a featured soloist	3	8	I
AS	90777	Demonstrate aural skills across a range of musical styles and genres	3	4	E

Level 2 standards and unit standards may also be available.

Students will, in consultation with the class teacher develop an individual course that best suits their skill level, by selecting standards from those offered.

MAORI PERFORMING ARTS

LEVEL 2 MAORI PERFORMING ARTS – (Code: 12MPA)

Qualification:	Unit Standards Level 2
Entry Requirements:	Open Entry
Cost:	\$5.00 course booklets
Course Description:	This course introduces students to the elements of kapa haka and Maori performing arts. Students will learn essential skills needed to perform and present various traditional components of kapa haka and Maori performing arts.

Number	Title	Level	Credits	I/E
US 13359	Demonstrate knowledge and skills of waiata	2	6	I
US 13363	Demonstrate knowledge and skills of waiata-a-ringa	2	6	I
US 13367	Demonstrate knowledge and skills of poi (female)	2	7	I
US 13371	Demonstrate knowledge and skills of haka (male)	2	6	I
US 15019	Demonstrate knowledge and skills of whakaraka	2	3	I

LEVEL 3 MAORI PERFORMING ARTS – (Code: 13MPA)

Qualification:	Unit Standards Level 3
Entry Requirements:	Have completed Level 2 Maori Performing Arts or recommendation from Maori Performing Arts teacher/Head of Faculty.
Cost:	\$10.00 course booklets
Course Description:	This course further develops and challenges students understanding of kapa haka and Maori Performing Arts. It is a performance based course which requires students to present the majority of their assessments through the element of performance and visual presentation. Students will explore and develop their understanding of kapa haka.

Number	Title	Level	Credits	I/E
US15020	Perform whakaraka	3	6	I
US22756	Perform a Maori Performing Arts bracket	3	10	I
US22757	Demonstrate the knowledge of the historical development of Maori performing arts	3	6	I
US15025	Demonstrate knowledge and skills of taonga puoro	3	2	I
	Total		24	

HEALTH & PHYSICAL EDUCATION FACULTY

LEVEL 1 RECREATION AND HEALTH EDUCATION (Code: 11RHE)

Recommended for all students in Year 11

Course Description: This course will cover a range of sport and recreational activity. We are aiming to encourage regular activity and promote fitness and health. Health Education components will be incorporated into this programme.

Entry Requirements: Open to year 11 students, although a willingness to get involved in practical lessons is an advantage.

	No.	Title	Level	Credit	I/E
AS	90971	Take action to enhance an aspect of personal well-being	1	3	I
US	505	Manage personal physical fitness with guidance	1	3	I
AS	90964	Demonstrate quality movement in the performance of a physical activity	1	3	I
				Total	9

LEVEL 1 ADVANCED PHYSICAL EDUCATION A (Code: 11APE)

Qualification: Achievement Standards Level 1

Entry Requirement: A reasonable standard of writing and reading skills is required in this course, as is a keen interest in being involved in all physical activities.

Consultation with Head of Faculty and Teacher in Charge

Course Description: A theoretical and practical course covering NCEA units of work. It provides the academic background for advanced study in Physical Education (Level 2, 3 and Tertiary).

Course Costs: Approximately \$ 100 for activity costs associated with AS90965. This amount is subject to change.

	No.	Title	Level	Credit	I/E
AS	90962	Participate actively in a variety of physical activities and explain factors that influence own participation	1	5	I
AS	90963	Demonstrate understanding of the function of the body as it relates to the performance of physical activity	1	5	I
AS	90965	Demonstrate understanding of societal influences on physical activity and the implications for self and others	1	4	I
AS	90966	Demonstrate interpersonal skills in a group and explain how these skills impact on others	1	4	I
AS	90967	Demonstrate strategies to improve the performance of a physical activity and describe the outcomes	1	3	I
				Total	21

LEVEL 1 ADVANCED PHYSICAL EDUCATION B (Code: 11APD)

Qualification: Achievement Standards Level 1

Entry Requirement: A reasonable standard of writing and reading skills is required in this course, as is a keen interest in being involved in all physical activities.

Consultation with Head of Faculty and Teacher in Charge

Course Description: A theoretical and practical course covering NCEA units of work. Similar to APE except only 16 credits are available as AS90963 (see 11APE) is omitted. This is to allow students more time to develop a greater understanding of course material. It will also increase the amount of practical activities the students are exposed to throughout the year to help reinforce the theoretical components of this course.

Course Costs: Approximately \$ 100 for activity costs associated with AS90965. This amount is subject to change.

	No.	Title	Level	Credit	I/E
AS	90962	Participate actively in a variety of physical activities and explain factors that influence own participation	1	5	I
AS	90965	Demonstrate understanding of societal influences on physical activity and the implications for self and others	1	4	I
AS	90966	Demonstrate interpersonal skills in a group and explain how these skills impact on others	1	4	I
AS	90967	Demonstrate strategies to improve the performance of a physical activity and describe the outcomes	1	3	I
				Total	16

***Cannot take both 11APE & 11APD**

LEVEL 1 HEALTH STUDIES (Code: 11HEA)

Qualification: Achievement Standards Level 1
Entry Requirement: Open
Course Description: This course provides an introduction to studies in health with emphasis on the individual. It focuses on ways to develop and maintain a healthy lifestyle. This involves goal setting, coping with change, skills in relationships and understanding issues related to drugs. Other assessment opportunities may be offered depending on the nature of the requirements of the students.

	No.	Title	Level	Credit	I/E
AS	90971	Take action to enhance an aspect of personal well-being	1	3	I
AS	91097	Demonstrate understanding of ways in which well-being can change and strategies to support well-being	1	4	I
AS	90973	Demonstrate understanding of interpersonal skills used to enhance relationships	1	5	I
AS	90974	Demonstrate understanding of strategies for promoting positive sexuality	1	4	I
AS	90975	Demonstrate understanding of issues to make health-enhancing decisions in drug-related situations	1	4	E
Total				20	

LEVEL 2 ADVANCED PHYSICAL EDUCATION (Code: 12APE)

Qualification: Achievement Standards Level 2
Entry Requirement: Level 1 Science or Advanced Physical Education background recommended. A good literacy level is required.
 Consultation with Head of Faculty and Teacher in Charge.
Costs: Approximate: Camp \$80
 Golf \$30 (possibly)
 Workbook \$22
 Ski Trip - \$80-\$85
Course Description: In this course students analyse sport and the body's response to physical activities. The focus of this course is theory based, with practical sessions scheduled to demonstrate the concepts.

	No.	Title	Level	Credit	I/E
AS	2.2	Demonstrate understanding of how biophysical principles relate to the learning of physical skills	2	5	I
AS	2.3	Demonstrate understanding of the application of biophysical principles to training for physical activity	2	4	I
AS	2.4	Perform a physical activity to Achievement level of the Physical Education Performance Standards for Level 2, in an applied setting	2	4	I
AS	2.5	Demonstrate understanding of the significance for self, others, and society of a sporting event, physical activity, or festival	2	4	I
AS	2.7	Demonstrate understanding of the application of risk management strategies to a challenging outdoor activity	2	3	I
Total				20	

***Standard numbers to be confirmed.**

LEVEL 2 SPORT AND LEISURE LEADERSHIP (Code: 12SPL)

Qualification: Achievement and Unit Standards

Entry Requirement: Open to Year 12 students

Consultation with Head of Faculty and Teacher in charge

Course Cost: Outdoor pursuits activities \$85 / \$10 for unit standard workbooks.

Course Description: This course is a combination of practical and theory. There is a focus on leadership. The course consists of Achievement and Unit Standards and will also cover coaching/teaching, bush craft, event planning, weight training safety and injury management and prevention. **Excellent attendance is essential** for this course due to the nature of the assessment tasks.

	No.	Title	Level	Credits	I/E
AS	2.6	Demonstrate understanding of leadership strategies that contribute to the effective functioning of a group	2	4	
AS	2.8	Consistently demonstrate social responsibility through application of a social responsibility model in physical activity	2	3	I
AS	2.9	Demonstrate understanding of the implementation and outcome(s) of a physical activity event or opportunity	2	3	I
AS	2.10	Demonstrate understanding of group processes in physical activity	2	3	I
US	21793	Demonstrate correct technique when using basic gym equipment	2	2	I
US	12546	Apply knowledge of injury management in physical activity	2	3	I
			Total	18	

***Standard numbers to be confirmed.**

LEVEL 2 RECREATION AND HEALTH EDUCATION (Code: 12RHE)

Course Description: This course will cover Sports Education, Individual Life Style Sports and a range of recreational activities. Health Education components will be incorporated into this programme, including a comprehensive First Aid course.

Entry Requirements: Open to year 12 students, although a willingness to get involved in practical lessons is an advantage.

	No.	Title	Level	Credit	I/E
US	6402	Provide resuscitation	1	1	I
US	26551	Provide first aid for life threatening conditions	2	1	
US	26552	Demonstrate knowledge of common first aid conditions and how to respond to them	2	1	I
AS	90436	Perform a physical activity to meet the Physical Education Performance Standards for Level 2	2	4	I
			Total	7	

LEVEL 3 ADVANCED PHYSICAL EDUCATION (Code: 13APE)

Qualification: Achievement Standards Level 3

Entry Requirement: Level 2 Physical Education or a Level 2 Science and Level 2 Literacy

Costs: Ski Trip (not compulsory to gain credits) – Approximately \$250

Tough Guy and Gal Challenge (**not compulsory to gain credits**) approximately \$60

Entry fees and transport to rock climbing \$80

Course Description: This is a Level 3 NCEA course designed to promote an understanding of the need for a physically active and healthy lifestyle. It is a theoretical based subject which requires a reasonably high academic standard to complete. Practical components are incorporated into the different units to gain a fuller understanding of the theoretical concepts. (NB: Swimming is the major aspect).

	No.	Title	Level	Credit	I/E
AS	90739	Apply knowledge to plan a physical activity programme or experience	3	3	I
AS	90740	Explain the effectiveness of a physical activity programme or experience	3	3	I
AS	90741	Appraise performance and review a programme for performance improvement for self or others	3	5	I
AS	90742	Perform a physical activity to nationally developed performance standards	3	4	I
AS	90744	Examine physical activity and take action to influence the participation of others	3	5	I
			Total	20	

NB: AS 90742 will be assessed against Rock Climbing and Swimming National standards. Students can also be assessed in their chosen sport if it has nationally developed performance standards (e.g. athletics)

LEVEL 3 SPORT AND LEISURE LEADERSHIP (Code: 13SPL)

Qualification: Unit Standards level 3
Entry Requirement: Level 2 literacy
Course Cost: Camp \$65, \$10 for Unit Standard Workbooks
Course Description: This course has a focus on leadership, in particular the practical application of leadership in 'real' settings. Examples of this include coaching intermediate students at Fairfield Intermediate and planning and running the Inter Mountain event in Term 3 and being leaders at year nine camp. Due to the nature of the assessments in this course excellent attendance is a must.

	No.	Title	Level	Credits	I/E
US	13353	Demonstrate knowledge and skills in an outdoor pursuit activity	3	3	I
US	22771	Plan a beginner level coaching session for sports participants	3	4	I
US	20673	Demonstrate knowledge of injury prevention and management in sport or recreation	2	3	I
US	22768	Conduct and review a beginner level coaching session	3	6	I
US	12536	Plan, implement and review a physical activity event	3	4	I
				Total	20

LEVEL 3 RECREATIONAL STUDIES (Code: 13REC)

Qualification: Achievement Standards level 2 and 3
Entry Requirement: Open to year 13 students only
Course Description: This course will cover a range of sports and recreational activities to promote an active lifestyle. Some practical Achievement Standards will be assessed, and students will co-construct extra assessment opportunities depending on the nature of the requirements students may have to pass at certain NCEA levels.

	No.	Title	Level	Credits	I/E
AS	90742	Perform a physical activity to nationally developed performance standards	3	4	I
AS	90436	Perform a physical activity to meet the Physical Education Performance Standards for Level 2	2	4	I

Level 2 credit only available to students who have not already got this standard.

LANGUAGES FACULTY

ENGLISH

English is structured around two interconnected strands: **1. Making Meaning** of ideas or information they receive (listening, reading and viewing) and **2. Creating Meaning** for themselves or others (speaking, writing and presenting). Students develop knowledge, skills and understandings related to: text purposes and audiences, ideas within language contexts, language features that enhance texts and the structure and organisation of texts. In the Alternative and Foundation courses, reading and writing skills are enhanced using Communication Skills unit standards.

LEVEL 1 ENGLISH (Code: 11ENG)

Qualification: Achievement Standards Level 1

Entry Requirement: To enter this course students need to be working at Level 5 or above of the English Curriculum. The Year 10 English teacher, in consultation with Head of Faculty may recommend an alternative English programme if a student's skills level is not suited to this course.

Course Description: This course continues the wide experience of language which has constituted the junior school curriculum. There is emphasis on being able to read and write competently for a variety of purposes and to develop effective oral communication skills. Visual language is also a component of this course. Students will be offered a combination of the listed Achievement Standards to a total of 21 credits.

	No.	Strand	Title	Level	Credit	I/E
AS	90849	Making Meaning	Show understanding of specified aspects of studied written text(s)	1	4	E
AS	90850	Making Meaning	Show understanding of specified aspects of studied visual text(s)	1	4	E
AS	90052	Creating Meaning	Produce Creative Writing	1	3	I
AS	90053	Creating Meaning	Formal Writing	1	3	I
AS	90857	Creating Meaning	Construct and deliver an oral text	1	3	I
AS	90852 90854	Making Meaning	Explain significant connection(s) across texts, using supporting evidence OR Form personal responses to independently read texts	1	4	I
					Total	21

LEVEL 1 ENGLISH ALTERNATIVE (Code: 11ENA)

Qualification: NCEA English Level 1

Entry Requirement: To be admitted to this course, students need to be working at Level 4 of the English Curriculum.

Course description: This course focuses on reading, writing, viewing, speaking and presenting skills.

	No.	Strand	Title	Level	Credit	I/E
AS	90052	Creating Meaning	Produce creative writing	1	3	I
AS	90053	Creating Meaning	Produce formal writing	1	3	I
AS	90857	Creating Meaning	Construct and deliver an oral text	1	3	I
AS	90854	Making Meaning	Form personal responses to independently read texts	1	4	I

US	26622	Core Generic	Write to communicate ideas for a purpose and audience		4	I
US	26624	Core Generic	Read texts with understanding	1	3	I
US	26625	Core Generic	Actively participate in spoken interactions	1	3	I
US	10792	Communication Skills	Write formal personal correspondence	1	3**	I

**** Do not count as Literacy**

Students will, in consultation with the class teacher develop an individual course that best suits their skill level, by selecting standards from those offered.

LEVEL 1 ENGLISH FOUNDATION STUDIES (Code: 11ENF)

Qualification: Working toward NCEA English Level 1 and literacy.
Entry Requirement: To be placed in this course students will be working up to Level 4 or below of the English Curriculum.
Course description: This course aims to develop student's reading, writing, listening, speaking, viewing and presenting skills to the point where they are working at Level 5 of the English Curriculum.
 It is anticipated students participating in this programme will take two years to achieve NCEA Level 1.

	No.	Strand	Title	Level	Credit	I/E
AS90857	90857	Creating Meaning	Construct and deliver an oral text (optional)	1	3	I
AS90855	90855	Create Meaning	Create a visual text	1	3	I

US	25060	Comm	Independently read texts for practical purposes and to gain knowledge	1	6**	I
US	2970	Comm	Independently read texts about life experiences which relate to a personal identified interests	1	3**	I
US	1273	Comm	Express ideas in writing and write an original story	1	4**	I
US	3483	Comm	Fill in a form	1	2**	I
US	26622	Core Gen	Write to communicate ideas for a purpose and audience	1	4	I
US	26624	Core Gen	Read texts with understanding	1	3	I
US	26625	Core Gen	Actively participate in spoken interactions	1	3	I
US	3490	Core Gen	Complete an incident report	1	2	I

**** Do not count as Literacy**

LEVEL 2 ENGLISH (Code: 12ENG)

Qualification: Achievement Standards Level 2
Entry Requirements: 10 Credits from Level 1 English Achievement Standards.
 Individual circumstances will be considered in consultation between student and Languages Head of Faculty. Comment and recommendations will be requested from the relevant Year 11 English teacher.
Course Description: There is a strong literature content to the course, in prose, drama and poetry. Writing, formal and creative, also forms a significant component of the programme. The ways in which language is adapted to purpose receives attention. Discussion and other oral skills are fostered. The study of visual language is also included. There is some requirement for independent study.
 Students will be offered a combination of the listed Achievement Standards to a total of 24 credits.

	No.	Strand	Title	Level	Credits	I/E
AS	2.4	Making Meaning	Produce a selection of crafted writing	2	6	I
AS	2.5	Creating Meaning	Construct and deliver a crafted oral presentation	2	3	I
AS	2.6	Creating Meaning	Create a crafted visual and verbal text	2	3	I
AS	2.7/2.9	Making Meaning	Analyse significant connections across a range of texts, with evidence from each text OR form developed personal responses to independently read texts supported by evidence.	2	4	I
AS	2.1	Making Meaning	Analyse specified aspects of studied written texts with supporting evidence	2	4	E
AS	2.2	Making Meaning	Analyse significant aspects of unfamiliar written texts through close reading using supporting evidence.	2	4	E
					Total	24

*Standard numbers to be confirmed by NZQA

LEVEL 2 ENGLISH ALTERNATIVE (Code: 12ENA)

Qualification:	Achievement Standards Level 2
Entry requirement:	10 Credits from any Level 1 English Achievement Standards Individual circumstances will be considered in consultation between student and Languages Head of Faculty. Comment and recommendations will be requested from the relevant Year 11 English teacher.
Course description:	There is a strong literature content to this course independent reading will be part of the course. Writing, formal and creative, also forms a significant component of the programme. Discussion and other oral skills are fostered. There is some requirement for independent study. Students will be offered a combination of the listed Achievement Standards to a total of 17 credits.

	No.	Strand	Title	Level	Credit	I/E
AS	2.4	Creating Meaning	Produce a selection of crafted writing	2	6	I
AS	2.5	Creating Meaning	Construct and deliver a crafted oral presentation	2	3	I
AS	2.8/1.9	Making Meaning	Demonstrate information literacy skills to form developed conclusions	2/1	4	I
AS	2.9	Making Meaning	Form Developed personal responses to independently read texts, supported by evidence.	2	4	I
					Total	17

*Standard numbers to be confirmed by NZQA

LEVEL 2 ENGLISH FOUNDATION STUDIES (Code: 12ENF)

Qualification:	Working toward NCEA English Level 1 and literacy, or working towards Level 2.
Entry Requirements:	Students will have had to complete the 11ENF programme.
Course Description:	This course aims at developing students from 11ENF in reading, writing, listening, speaking and viewing and presenting to the point where they are able to make a creditable attempt at sitting NCEA English Level 1 and communications skills Level 2.

	No.	Strand	Title	Level	Credit	I/E
US	26624	Making Meaning	Read texts with understanding	1	3	I
US	26622	Creating Meaning	Write to communicate ideas for purpose and audience	1	4	I
US	26625	Creating Meaning	Actively participate in spoken interactions	1	3	I
US	2989	Making Meaning	Select assess and read texts to gain knowledge	2	3	I
US	25073	Making Meaning	Read texts to recognise differing points of view on a topic	2	3	I
US	3492	Creating Meaning	Write a short report	2	3	I
US	3488	Creating Meaning	Write a business correspondence for a work place	2	6	I
US	1280	Creating Meaning	Use graphics in communication	2	2	I
US	12426	Creating Meaning	Present static images combining verbal and visual features	2	3	I
US	90374	Creating Meaning	Deliver a presentation using oral and visual language techniques	2	3	I

Students will, in consultation with the class teacher develop an individual course that best suits their skill level, by selecting standards from those offered.

LEVEL 2 MEDIA STUDIES (Code: 12MED)

- Qualification:** Achievement Standards Level 2
- Entry Requirement:** Credit level achievement in at least 3 of the 5 reading and writing based English Level 1 Achievement Standards
- Course Description:** This course introduces students to the study of media and is a mixture of theory and practical work. Students will develop the ability to close read and analyse a variety of media text, gain in-depth understanding of a media genre, and use their knowledge to plan and produce a media product.

		Title	Level	Credit	I/E
AS	2.2	Demonstrate understanding of narrative in media texts	2	4	I
AS	2.4	Demonstrate understanding of an aspect of media genre	2	4	E
AS	2.5	Produce a design and plan for developed media product, using a range of conventions	2	4	I
AS	2.6	Complete a developed media product from a design and plan, using a range of conventions	2	6	I
AS	2.8	Write developed media text for a specific target audience	2	3	I
			Total	21	

* Standard Numbers to be confirmed

LEVEL 3 ENGLISH (Code: 13ENG)

- Qualifications:** NCEA Achievement Standards Level 3
- Entry Requirements:** Students should have achieved at least two writing and two reading Achievement Standards at Level 2. Individual circumstances will be considered in consultation between Head of Faculty and the student.
- Course Description:** The Year 13 English course offers students the opportunity to develop their skills of literary analysis but also those of writing and speaking. Students will have the opportunity to achieve the literacy requirements for University entry.

	No.	Title	Level	Credit	I/E
AS	90720	Produce an extended piece of writing on a selected style.	3	4	I
AS	90721	Respond critically to written text(s) studied.	3	3	E
AS	90722	Respond critically to Shakespearean drama studied	3	3	E
AS	90724	Read and respond critically to unfamiliar prose and poetry texts	3	3	E
AS	90725	Construct and deliver an oral presentation	3	3	I
AS	90726	Complete independent research on a language or literature topic and present conclusions in writing.	3	4	I
			Total	20	

LEVEL 3 MEDIA STUDIES (Code: 13MED)

- Qualification:** Achievement Standards Level 3
- Entry Requirements:** Media Studies Level 2 or literacy requirements for University entrance
- Course Description:** This course is a mix of theory and practical work. It involves in-depth study of media issues and texts, as well as a production unit.

		Title	Level	Credit	I/E
AS	90599	Demonstrate understanding of a specific media industry	3	4	E
AS	90600	Explore the language of various texts within a medium	3	4	I
AS	90602	Explain the interrelationship between society and media genre	3	4	E
AS	90604	Complete and justify a concept and treatment for a media product	3	2	I
AS	90606	Create a Media product using appropriate media technology	3	6	I
AS	90779	Generic investigation	3	4	I
			Total	24	

MAORI

LEVEL 1 TE REO MAORI – (Code: 11MAO)

Qualification:	Achievement Standards Level 1
Entry Requirements:	Open Entry
Cost:	Nil
Course Description:	This course is designed to develop students reading, writing, listening and speaking skills by offering a range of standards to enhance and improve those essential skills needed. Students will be able to converse with Te Reo Māori speakers in familiar social situations and cope with some less familiar ones. They will also be able to use basic Māori language patterns spontaneously. By the end of this course Students will be able to write short passages, personal letters, and simple formal letters in Te Reo Māori. It is intended that this course will develop those necessary skills in preparation for Te Reo Māori Level 2.
Literacy:	This course offers 24 credits towards Level 1 Literacy

	No.	Title	Level	Credit	I/E
AS	91085	Whakarongo kia mōhio ki te reo o tōna ao	1	6	I
AS	91086	Kōrero kia whakamahi i te reo o tōna ao	1	6	I
AS	91087	Pānui kia mōhio ki te reo o tōna ao	1	6	E
AS	91088	Tuhi i te reo o tōna ao	1	6	E
US	7260	Whakawhitihiti kōrero māmā tētahi ki tētahi	1	4	I
TOTAL				28	

LEVEL 2 TE REO MAORI (Code: 12MAO)

Qualification:	Achievement Standards Level 2
Entry Requirements:	12 credits in Level 1 Te Reo Māori or discussion with leader of learning
Cost:	Nil
Course Description:	This course is designed to prepare students to be able to take part in general conversation with speakers of Te Reo Māori, understand much of what is said, and contribute relevant comments. They will learn to explain and discuss many of their own ideas and opinions and may use te reo Māori creatively. They will read a variety of authentic te reo Māori materials and write expressively for a range of purposes. It is intended that this course will develop those necessary skills in preparation for Te Reo Māori Level 3.
Literacy:	This course offers University Entrance Literacy

	No.	Title	Level	Credit	I/E
AS	90449	Whakarongo it e reo o tona ao mohio	2	4	I
AS	90440	Korero i te reo o tona ao mohio	2	6	I
US	7262	Whakamaramatia nga korero me nga mahi e tetahi atu	2	7	I
AS	90441	Panui it e reo o tona ao mohio	2	6	E
AS	90770	Tuhituhi I te reo o tona ao mohio	2	4	E
TOTAL				27	

LEVEL 3 TE REO MAORI (Code: 13MAO)

Qualification: Achievement Standards Level 2
Entry Requirements: 12 credits in Level 2 Te Reo Māori or discussion with leader of learning
Cost: Nil
Course Description: This course is designed to enable learners to take part in a wide range of conversations with speakers of Te Reo Māori, understand much of what is said, and contribute relevant comments. They will read a variety of authentic Te Reo Māori materials and write expressively for a range of purposes. Learners will respond to selected and adapted Māori language texts about Te Reo Māori and tikanga Māori (for example, from literature, film, newspapers, magazines, television, video/DVD, and radio). It is intended that this course will develop those necessary skills in preparation for University level Te Reo Māori.

Literacy: This course offers University Entrance Literacy

	No.	Title	Level	Credit	I/E
AS	90542	Whakarongo it e reo o tona ao whanui	3	4	I
AS	90543	Korero i te reo o te a o whanui	3	6	I
AS	90781	Panui kia whai maramatanga it e reo o tea o whanui	3	3	E
AS	90784	Panui kia wetewete it e reo o tea o whanui	3	3	E
US	7259	Tuhituhi korero mo tetahi tangata me tona taiao	3	7	I
TOTAL				23	

MATHEMATICS FACULTY

LEVEL 1 MATHEMATICS (Code: 11MAT)

Qualification:	Achievement Standards Level 1
Entry Requirement:	YR10 Teacher Recommendation, discretion of the Head of Faculty.
Course Description:	This is an academic course provided for those students intending to attend University or undertake a Tertiary Education

	No.	Title	Level	Credit	I/E
AS	91026	Applying numeric reasoning	1	4	I
AS	91027	Applying algebraic methods	1	4	E
AS	91028	Equations and graphs solving	1	4	E
AS	91029	Linear algebra	1	3	I
AS	91031	Geometric reasoning	1	4	E
AS	91035	Investigations using multivariate data	1	4	I
				Total	23

LEVEL 1 FOUNDATION MATHEMATICS (Code: 11MAU)

Qualification:	Unit Standards for NCEA Level 1
Entry Requirement:	YR10 Teachers Recommendation, discretion of the Head of Faculty.
Course Description:	For most of the candidates this will be their final year taking Mathematics. A pre-requisite for gaining NCEA Level 1, attaining 10 credits in Numeracy. This course is customised towards those students who find Mathematics challenging but who are prepared to work hard.

	No.	Title	Level	Credit	I/E
US	26623	Use numbers to solve problems	1	4	I
US	26627	Use measurement to solve problems	1	3	I
US	26626	Interpret statistical information	1	3	I
				Total	10

Students can still attain credits in numeracy from successfully completing specific standards in some other subjects.

LEVEL 1 MATHEMATICS WITH STATISTICS (Code: 11MAS)

Qualification:	A combination of Level 1 Achievement Standards and Unit Standards
Entry Requirement:	YR10 Teachers recommendation, discretion of the Head of Faculty.
Cost:	Homework Book \$20
Course Description:	This course is aimed at those students who wish to attend University, or attend a Tertiary Training Institution or join the Defence Force. Suitable graduates are eligible for 12MAS in the following year.

* Standard Numbers to be confirmed by NZQA

	No.	Title	Level	Credit	I/E
AS	91026	Applying numeric reasoning.	1	4	I
AS	91029	Linear algebra	1	3	I
AS	91035	Investigations using multivariate data	1	4	I
AS	91036	Bivariate data	1	3	I
AS	91038	Probability	1	3	I
AS	91037	Chance and data	1	4	E
AS	91028	Equations and graphs solving	1	4	E
				Total	25

LEVEL 2 MATHEMATICS (Code: 12MAT)

Qualification:	Achievement Standards Level 2
Entry Requirement:	YR11 Teacher recommendations, discretion of the Head of Faculty, 16 Credits from Level 1 including AS1.2 and AS1.4.
Cost:	Course Book \$24
Course Description:	The successful graduates from this course can undertake tertiary studies in the sciences, social sciences and engineering courses at other institutes.

	No.	Title	Level	Credit	I/E
AS	2.2	Apply graphical methods in solving problems	2	4	I
AS	2.4	Apply trigonometric relations in solving problems	2	3	I
AS	2.6	Apply algebraic methods in solving problems	2	4	E
AS	2.7	Apply calculus methods in solving problems	2	5	E
AS	2.12	Apply probability methods in solving problems	2	4	E
AS	2.14	Apply systems of equations in solving problems	2	2	I
Total				22	

* Standard Numbers to be confirmed by NZQA

LEVEL 2 MATHEMATICS WITH STATISTICS (Code: 12MAS)

Qualification:	Achievement Standards Level 2
Entry Requirement:	14 credits from 11MAS Level 1, 12 credits from 11MAT Level 1.
Cost:	Workbook \$24
Course Description:	This course leads to 13MAS and enables a student to pursue some courses at other institutes.

	No.	Title	Level	Credit	I/E
AS	2.2	Apply graphical methods in solving problems	2	4	I
AS	2.9	Use statistical methods to make an inference	2	4	I
AS	2.10	Conduct an experiment to investigate a situation	2	3	I
AS	2.12	Apply probability methods in solving problems	2	4	E
AS	2.11	Evaluate a statistically based report	2	2	I
AS	2.14	Apply system of equations in solving problems	2	2	I
Total				19	

* Standard Numbers to be confirmed by NZQA

LEVEL 1 MATHEMATICS (Code 12MA2)

Second year of a two year course

Qualifications:	Unit Standards for NCEA Level 2
Entry Requirement:	10 credits from 11MAU, just one standard in 11MAS or 11MAT.
Cost:	Homework Book \$20
Course Description:	This is the second year of a two year course. All Level 1 credits.
Assessment:	Achievement Standards for the course will be chosen from the following:

	No.	Title	Level	Credit	I/E
AS	91026	Applying numeric reasoning	1	4	I
AS	91028	Equations and graph solving	1	4	E
AS	91029	Linear algebra	1	3	I
AS	91035	Investigations using a multivariable data	1	4	I
AS	91036	Bivariate data	1	3	I
AS	91037	Chance and data	1	4	E
AS	91038	Probability	1	3	I

Note: Students with less than 10 credits in 11MAU must repeat the entire 11MAU course.

Students graduating from this course will be eligible to enrol in 12MAS in 2013.

LEVEL 3 CALCULUS (CODE: 13MAC)

Qualifications:	Achievement Standards Level 3
Entry Requirement:	14 credits from Level 2 Mathematics Achievement Standards including 90284, 90286, 90285
Cost:	Course Booklet approximately \$22
Course Description:	This course has a focus for students with a major interest in the continued study of mathematics in fields where analysis is an important tool. It has a particular emphasis on calculus but also seeks to consolidate and extend facility in basic algebraic, graphic and computational skills by study of algebra, co-ordinate geometry and trigonometry. Graduates can apply for study in the sciences and engineering fields at tertiary level.

	No.	Title	Level	Credit	I/E
AS	90635	Differentiate functions and use derivatives to solve problems	3	6	E
AS	90636	Integrate functions and use integrals to solve problems	3	6	E
AS	90637	Solve problems and equations involving trigonometric functions	3	4	I
AS	90638	Manipulate real and complex numbers and solve equations	3	5	E
Total				21	

LEVEL 3 STATISTICS AND MODELLING (Code: 13MAS)

Qualifications:	Achievement Standards Level 3
Entry Requirement:	12 credits from Level 2 Mathematics Achievement Standards. Or 14 credits from Level 2 Mathematics with Statistics including AS90288 and AS 90289
Cost:	Course Booklet approximately \$22 + graphics calculator \$70
Course Description:	This course has a focus for students interested in fields where collection, analysis and interpretation of quantitative data is important. It has an emphasis on probability and statistics, computational mathematics, functions, graphs and simple modelling and algebra. Students may also sit Level 3 unit standards as they complete the related topics.

	No.	Title	Level	Credit	I/E
AS	90641	Determine the trend for time series data	3	3	I
AS	90642	Calculate confidence intervals for population parameters	3	3	E
AS	90643	Solve straightforward problems involving probability	3	4	E
AS	90644	Solve equations	3	4	E
AS	90645	Select and analyse continuous bivariate data	3	3	I
AS	90646	Use probability distribution models to solve problems	3	4	E
AS	90647	Use mathematical methods involving curve fitting to solve problems	3	3	I
Total				24	

LEVEL 3 STATISTICS (Code: 13MAU)

Qualifications:	Unit and Achievement Standards at Level 3
Entry Requirement:	Either 8 credits from 12MAS or 12MAT or 10 credits from Level 2 Unit Standards
Cost:	Course Booklet approximately \$24 + graphics calculator \$70
Course Description:	This course has a focus for students interested in fields where collection, analysis and interpretation of quantitative data is important. It has an emphasis on probability and statistics, computational mathematics, functions, graphs and simple modelling, and algebra.

	No.	Title	Level	Credit	I/E
US	5264	Use numerical methods to solve problems	3	3	I
US	5262	Use linear systems to solve problems	3	2	I
US	5258	Use expected values to solve problems	3	2	I
US	5259	Use probability models to solve problems	3	3	I
US	5257	Investigate time series	3	3	I
US	5272	Use functions and their graphs to model situations and solve problems	3	4	I
Total				19	

PATHWAYS FACULTY

GATEWAY (Code 12GAT)

A Gateway Work Placement is an ideal opportunity to confirm or to eliminate a career choice before undertaking expensive training. Building, plumbing, automotive, banking, veterinary nursing, early childhood education, retail, hospitality, hairdressing and joinery are some of the fields in which Work Placements have been arranged for Gateway students in the past six years. Work Placements are usually 1 day each week for 10 weeks.

OPTION A: STUDENTS SELECTING GATEWAY AS A SUBJECT LINE

Qualification: Levels 1 and 2 Unit Standards. Level 3 Unit Standards, apart from US 17602, will only be available for selected students.

Entry Requirements: NB. Gateway is not suitable for students who need to rely on this subject to gain Level 3 NCEA. Open to Year 12 and Year 13 students. Students will be selected following an interview with the Pathways team. Selection will be made on the basis of future goals, attendance at school and attitude in classes. School reports may be referred to.

Cost: Nil.

Course Description: This course aims to provide a pathway for students to move from school into the work place. Students will select the Gateway line and 5 other subjects. When students are ready, a Work Placement will be arranged and students will be provided with Unit Standards that are directly related to the work that they will be doing.

In addition to the Unit Standards offered below, students will be given the opportunity to attend Star Taster courses, a Kiwi Host Customer Service course and a First Aid course as well as attend careers presentations, both in and out of school.

All Standards, both classroom and Work Placement, are internally assessed.

Classroom Unit Standards will be selected from the following (* = compulsory):

	Title	Level	Credits
*497	Workplace health and safety	1	3
*504	Produce a CV	1	2
525	Recognise sexual harassment and describe ways of responding to it	1	2
1978	Identify basic employment rights and responsibilities	1	2
4248	Describe requirements and expectations faced by employees	1	3
			12

NB: Students who may be working on 497 or 504 (or who have achieved) in another course at school will work on two other Standards at either Level One or Level Two, 4252 in place of 504

	Title	Level	Credits
1979	Describe the employment relationship and the application of employment law to that relationship	2	3
4252	Produce a targeted resume	2	2
4253	Obtain job search skills	2	3
*7117	Produce a plan to enhance own learning	2	2
*7118	Manage own learning programme	2	3
7121	Demonstrate information search, access and selection skills	2	2
7127	Exercise informed choice in deciding on a major goods or service purchase	2	2
*10781	Produce a plan for own future directions	2	3
*12354	Describe implications of independent living, including rental and flatting	2	4
12383	Explore career options relevant to an area of learning and explore their implications for oneself	2	2
*17593	Apply safe work practices in the workplace	2	4
122	Provide office reception services	3	5
1279	Write in plain English	3	3
1980	Identify, from an employee perspective, ways of dealing with employment relationship problems	3	2
4251	Manage own career development	3	2
2990	Read texts to research information	3	4
*17602	Apply hazard identification and risk assessment procedures in the workplace	3	4

Please note that with the Level 3 Standards, only one (17602) will be delivered to the class. The remainder will be offered to only selected students. Obtaining 20 Level 3 credits in this class is not on offer.

OPTION B: STUDENTS WISHING TO HAVE A WORK PLACEMENT BUT NOT WANTING GATEWAY AS A SUBJECT LINE

Do **not** put 12GAT on your subject choice form.

Entry Requirements: As for Option A.

Cost: Nil.

How to Gain Entry: See Mrs Rae-Middleton or Mrs Cosgrove in the Pathways Centre. Also, listen to/read the daily News and Notices (Pathways section) for advertised placements.

STAR Short Introductory (Taster) Courses

Taster courses give students the opportunity to attend Wintec or another provider for one or two days to find out about what would be involved in full time training in a particular career, e.g. hairdressing, hospitality, nursing, tourism, electrical, panel beating, etc. Courses are available for students from Year 10 to Year 13 and information about these is published in the daily News and Notices from the start of Term One each year.

WINTEC TRADES ACADEMY

This year Fairfield College has been proud to be a partner school in the first year of Wintec's Trades Academy, a partnership between twelve Waikato Secondary Schools and Wintec, with three of our Year 11 students being active in the programme.

In Term 3 or Term 4 this year, an additional three students, currently in Year 10, will be selected to begin the programme in 2012, with a further four schools joining in. For our students, completing the programme involves a three year commitment to study at both Fairfield College and Wintec, with the students completing both their NCEA to at least Level Two and a National Trade Certificate. Training will involve three 2 week blocks of study at Wintec each year. Students will need to also be committed to catching up on school work missed when they are at Wintec.

There are 3 Trade pathways:-

- National Certificate in Electrical Engineering (Level 2)
- National Certificate in Mechanical Engineering (Level 2)
- National Certificate in Motor Industry (Entry Skills) (Level 2)

These pathways will lead to apprenticeships in the third year or further study at Wintec or at another Technical Institute. They are not pathways to University study.

The Trades Academy will be in addition to the students' selection of 6 subjects. Unit Standards will be completed through Wintec and supervised study will be offered here at school, as needed.

The students will not be eligible for Gateway Work Placements in Years 12 and 13. However, should they need time to work on their Wintec Units and catch up on missed school work, they will be able to join a Gateway class in order to use this time productively.

Current Year 10 students interested in applying for this programme need to be self-motivated, have a passion for a trade's career and be willing to remain at school through to and including Year 13.

Please see Mrs Rae-Middleton (Pathways Director) for more information or phone 853 5660 ext 844.

SCIENCE FACULTY

LEVEL 1 SCIENCE A (Code: 11SCA)

Qualification:	Achievement Standards Level 1
Entry Requirement:	Based on recommendation from Science teacher/Head of Faculty
Costs:	\$24 course booklets (approximately)
Course Description:	This course leads on from Junior Science and focuses on the Physical Science domains of Chemistry and Physics, but also provides some Biology experiences. It provides a sound base for advancement to all of the Senior Sciences, and helps explain aspects of some key scientific phenomena. Investigative skills are developed in the internal standards.
Literacy:	This course offers 4 credits towards Level 1 Literacy
Numeracy:	This course offers 8 credits towards Level 1 Numeracy

	No.	Title	Level	Credit	I/E	L/N
AS	90940	Demonstrate understanding of aspects of mechanics	1	4	E	N
AS	90944	Demonstrate understanding of aspects of acids and bases	1	4	E	
AS	90946	Investigate the implications of the properties of metals to their use in society.	1	4	I	
AS	90948	Demonstrate understanding of biological ideas relating to a genetic variation.	1	4	E	L
AS	90941	Investigate the implications of electricity and magnetism for everyday life.	1	4	I	N
				Total	20	

LEVEL 1 SCIENCE B (Code: 11SCB)

Qualification:	Achievement Standards Level 1
Entry Requirement:	Based on recommendation from Science teacher/Head of Faculty
Course Description:	This course will include the standards listed below. It combines interesting aspects of Biology, Astronomy, Fuels and Heat, and it leads on to Biology and Science at Level 2. Some Chemistry will be taught in a short topic (no credits) so that successful students have some basic knowledge if they choose to go on to Level 2 Chemistry. Although much of the course is assessed internally by investigation and by report, there are two exam standards.
Literacy:	This course offers 11 credits towards Level 1 Literacy
Numeracy:	This course offers 4 credits towards Level 1 Numeracy

	No.	Title	Level	Credit	I/E	Lit/Num
AS	90929	Demonstrate understanding of biological ideas relating to a mammal as a consumer.	1	3	E	L
AS	90943	Investigate the implication of heat in everyday life.	1	4	I	N
AS	90948	Demonstrate understanding of biological ideas relating to a genetic variation.	1	4	E	L
AS	90954	Demonstrate understanding of the effect on planet Earth of astronomical cycles.	1	4	I	L
AS	90945	Investigate the implications of the use of carbon compounds as fuels.	1	4	I	
				Total	19	

LEVEL 1 SCIENCE FOUNDATION (Code: 11SCF)

Qualification:	Achievement Standard Level 1
Entry Requirements:	Recommendation from Science Teacher/Head of Faculty
Course Description:	This is a student centred course, designed for those who enjoy and need a 'Science' but for whom the Achievement Standards course with its exams would be a real challenge to complete in one year. It is designed as a 2 year course, with at least two internally assessed Achievement Standards formally completed each year. The balance of the course will comprise of high interest relevant science activities that develop skills and positive attitudes to learning, but could include more Achievement Standards depending upon student demand.
Literacy:	This course offers 4 credits towards Level 1 Literacy in 2012
Numeracy:	This course offers 4 credits towards Level 1 Numeracy in 2012

	No.	Title	Level	Credit	I/E	Lit/Num
2012 Course						
AS	90954	Demonstrate understanding of the effect on planet Earth of astronomical cycles.	1	4	I	L
AS	90943	Investigate the implication of heat in everyday life.	1	4	I	N
			Total	8		
2013 course						
AS	90950	Investigate biological ideas relating to interactions between humans and micro-organisms.	1	4	I	
AS	90945	Investigate the implications of the use of carbon compounds as fuels.	1	4	I	
			Total	8		

LEVEL 1 and 2 HORTICULTURE (Code: 11HOR)

Qualification:	Unit Standards Level 1 and Level 2
Entry Requirements:	Open, with an interest in learning about plants
Costs:	\$20 course materials fee
Course Description:	A one-year course which has as its theme 'the successful growing of plants and management of the environment to achieve that goal.' Practical skills are emphasised and local examples are used. Seed sowing, garden maintenance and understanding plant biology are some of the topics.

	No.	Title	Level	Credit	I/E
US	1	Prepare and sow outdoor seeds manually	1	5	I
US	23780	Undertake general garden maintenance	1	5	I
US	23782	Identify containers, materials, plants and tools used	1	2	I
US	23783	Grow and maintain plants in containers from seed	1	5	I
US	20574	Identify plants	2	5	I
US	22174	Demonstrate knowledge of soils and fertilisers	2	5	I
US	22177	Demonstrate knowledge of the structure and function of plants	2	5	I
US	22183	Plant out horticulture crops by hand	2	5	I
US	23781	Grow and pot up plants from seedlings	2	5	I
US	2803	Maintain a documented work record of horticultural activities	2	5	I

The course will be selected from the range of industry standards above.

Students will, in consultation with the class teacher develop an individual course that best suits their skill level, by selecting standards from those offered.

LEVEL 2 PLANETARY AND SPACE SCIENCE (Code: 12SCP)

Qualifications: Achievement Standards and Unit Standards Level 2

Entry Requirements: Either;
a. 8 credits in Level 1 Achievement Standards Science OR
b. By arrangement with Head of Faculty, Science.

Cost: Course workbook (approximately \$20)
Field trip \$35 (approximately)

Course Description: This course has a New Zealand flavour with its focus on New Zealand Geology and Human Impact on the environment. It also provides students with the opportunity to do an Astronomy topic. It would be possible to take this Science course and one other specialist Science subject such as Chemistry, Biology or Physics, because the Standards are different. Some variation to this programme may occur to take account of student needs. (E.g. a Level 1 Standard could be covered if more Level 1 credits were needed.)

	No.	Title	Level	Credit	I/E
AS	90811	Impact of Humans on the Environment	2	4	I
AS	2.3	Investigate geological processes in a New Zealand locality	2	4	I
AS	2.5	Demonstrate understanding of extreme Earth events	2	4	E
AS	2.6	Demonstrate understanding of stars and planetary systems	2	4	E
US	21610	Use computer to collect and store data	2	4	I
			Total	20	

LEVEL 2 BIOLOGY (Code: 12BIO)

Qualifications: Achievement Standards Level 2

Entry Requirements: Recommend Merit in Science Level 1 Achievement Standard 90948 with credit in all other Level 1 Science Achievement Standards

Costs: Field Trip (approximately \$15), Workbook \$20

Course Description: This course covers general biological principles and skills, the use of microscopes, and the structure and function of living cells in enabling survival, development and reproduction. It leads on to Level 3 Biology.

	No.	Title	Level	Credit	I/E
AS	2.1	Carry out a practical investigation in a biology context, with supervision	2	4	I
AS	2.4	Demonstrate understanding of life processes at the cellular level	2	4	E
AS	2.5	Demonstrate understanding of genetic variation and change	2	4	E
AS	2.8	Investigate biological material at the microscopic level	2	3	I
AS	2.7	Demonstrate understanding of gene expression	2	4	E
			Total	19	

LEVEL 2 CHEMISTRY (Code: 12CHE)

Qualifications: Achievement Standards Level 2

Entry Requirements: 15+ credits in Level 1 Science including Chemistry and 15+ credits in Level 1 Mathematics

Costs: Lab Manual \$25 (approximately)

Course Description: Chemistry is the study of matter and how it interacts and changes. The structure of matter is studied (atoms, ions) and the different types of bonding (ionic, covalent) which can explain numerous properties (boiling point). The chemical reactions of substances are studied, expanding the basic concepts from Year 11 and extending into new areas of chemical reactions (redox, equilibrium, organic). A significant aim of the course is to develop practical laboratory skills and gain understanding through experimental work.

	No.	Title	Level	Credit	I/E
AS	2.1	Carry out quantitative analysis	2	4	I
AS	2.2	Carry out procedures to identify ions present in solution	2	3	I
AS	2.3	Demonstrate understanding of the chemistry in a recent discovery or development	2	3	I
AS	2.4	Describe understanding of bonding, structure and energy changes	2	5	E
AS	2.6	Demonstrate understanding of chemical reactivity	2	4	E
AS	2.7	Demonstrate understanding of oxidation-reduction	2	3	I
			Total	22	

LEVEL 2 PHYSICS (Code: 12PHY)

Qualifications: Achievement Standards Level 2

Entry Requirements: Recommend 15+ Science credits overall, with Merit in Science Level 1 Achievement Standard 90940 and 90937 and 15+ credits in Level 1 Mathematics (Achievement Standards).

Costs: Course Manual \$25

Physics Trip \$50 (approx)

Course Description: The course introduces the basic facts, principles, generalisations and theories of physics through study of the patterns of behaviour of natural phenomena such as motion, forces, energy, electricity and magnetism, and waves. It also develops a familiarity with experimental procedures and laboratory skills.

	No.	Title	Level	Credit	I/E
US	6382	Understanding waves	2	4	I
AS	2.2	Demonstrate understanding of Physics relevant to a selected context	2	3	I
AS	2.4	Demonstrate understanding of mechanics	2	6	E
AS	2.5	Demonstrate understanding of atomic and nuclear physics	2	3	I
AS	2.6	Demonstrate understanding of electricity and electromagnetism	2	6	E
			Total	22	

LEVEL 1, 2 and 3 LAND BASED SKILLS (Code: 12 LBS)

Qualifications:	Levels 1, 2 and 3 Unit Standards
Entry Requirements:	Open to Year 12 and 13 students. Students will be selected following an interview with the Head of Faculty, Science.
Cost:	\$25 to cover transport costs
Course Description:	This course has a strong emphasis on developing practical skills that are linked to the rural experience. Students can gain up to 80 credits while learning to safely operate farm vehicles like quad bikes and tractors. The course rewards those with a good attitude and consistent work habits. The Certificate in Land based Skills is a valuable addition to a CV. Some other plant care Units (no credits available) may also form part of this course.

	No.	Title	Level	Credit	I/E
US	497	Demonstrate knowledge of workplace health and safety requirements	1	3	I
US	23540	Demonstrate knowledge of hazards, hazard control, and the consequences of injury in a rural workplace	2	5	I
US	23542	Identify factors, and describe how to manage factors, that contribute to injury in a rural workplace	3	4	I
US	19044	Describe the legal requirements and occupational hazards associated with tractor use	2	2	I
US	24539	Maintain and use a power take off (PTO) implement attached to a tractor	3	4	I
US	24552	Check and drive a basic wheel tractor with an attached implement on flat terrain	2	5	I
US	24537	Drive a 4 wheel drive tractor with an attached implement on undulating terrain	3	3	I
US	24553	Drive an All Terrain Vehicle Utility (ATVU) on flat terrain	2	3	I
US	24556	Demonstrate knowledge of the safe operation of an All Terrain Vehicle Utility (ATVU)	2	3	I
US	24558	Drive an All Terrain Vehicle Utility (ATVU) on undulating terrain	3	5	I
US	24560	Drive an All Terrain Vehicle Utility (ATVU) with trailed equipment	3	3	I
US	24562	Drive an All Terrain Vehicle Utility (ATVU) with mounted equipment or a load	3	3	I
US	24554	Ride an All Terrain Vehicle (ATV) on flat terrain	2	4	I
US	24557	Demonstrate knowledge of the safe operation of an All Terrain Vehicle (ATV)	2	3	I
US	24559	Ride an All Terrain Vehicle (ATV) on undulating terrain	3	6	I
US	24561	Ride an All Terrain Vehicle (ATV) with trailed equipment	3	2	I
US	24563	Ride an All Terrain Vehicle (ATV) with mounted equipment or a load	3	4	I
US	24555	Demonstrate knowledge of the safe operation of a motorcycle	2	3	I
US	19053	Ride a motorcycle on flat terrain	2	3	I
US	19055	Ride a motorcycle with mounted equipment on flat terrain	3	2	I
US	6916	Demonstrate knowledge of the Approved Code of Practice relating to chainsaw use	2	5	I
US	6917	Demonstrate basic chainsaw operation	3	5	I
				Total	80

LEVEL 3 PHYSICS (Code: 13PHY)

- Qualifications:** Achievement Standards Level 3
- Entry Requirements:** At least 14 credits in Level 2 Physics Achievement Standards and a reasonable level of achievement in Level 2 Mathematics
- Costs:** Course Manual \$22
Physics Trip \$50 (approx)
- Course Description:** The course studies further aspects of mechanics, wave motion, electrostatics and electrical circuits. It introduces the study of oscillations, alternating current, and relates many of these topics under various laws of conservation. The course will be made up from a range of the following Standards.

Note that students doing this course cannot get a Physics subject endorsement certificate.

	No.	Title	Level	Credit	I/E
US	6395	Use graphical analysis to determine non-linear relationships	3	4	I
AS	90520	Demonstrate understanding of wave systems	3	4	E
AS	90521	Demonstrate understanding of mechanical systems	3	6	E
AS	90522	Demonstrate understanding of atoms, photons and nuclei	3	3	E
AS	90523	Demonstrate understanding of electrical systems	3	6	E
			Total	23	

LEVEL 3 BIOLOGY (Code: 13BIO)

- Qualifications:** Achievement Standards Level 3
- Entry Requirements:** At least 14 credits in Level 2 Biology Achievement Standards or by Interview with the Head of Faculty, Science.
- Costs:** Course Manual \$23 (approx)
University Trip \$5
Auckland Museum Trip \$35 (approximately)
- Course Description:** The course covers such topics as genetics and evolution, interaction between organisms, behaviour, and human evolution. The emphasis is not on factual content but is on methods and understanding of principles. An individual plant study is internally assessed. Skills are regularly examined and contemporary issues are discussed, e.g. genetic engineering, xenotransplantation and cloning. The course will be made up from a range of the following Achievement and Unit Standards.

	No.	Title	Level	Credit	I/E
AS	90713	Carry out a practical investigation into an aspect of an organism's ecological niche with guidance	3	4	I
AS	90714	Research a contemporary biological issue	3	3	I
AS	90715	Describe the role of DNA in relation to gene expression	3	4	E
AS	90716	Describe animal behaviour and plant responses in relation to environmental factors	3	4	E
US	6320	Describe applications of biotechnological techniques	3	3	I
AS	90719	Describe trends in human evolution	3	3	E
AS	90729 (SCI)	Describe genetic processes	3	4	E

LEVEL 3 CHEMISTRY (Code: 13CHE)

Qualifications:	Achievement Standards Level 3
Entry Requirements:	15+ credits in Level 2 Chemistry Achievement Standards
Costs:	\$18 Course Manual (approximately)
Course Description:	This course extends the basic concepts covered at Level 2. A more in-depth understanding of chemical principles will be gained by students achieving at this level which is essential for those intending to include chemistry in a tertiary programme. A good understanding of Level 2 Chemistry is essential to students achieving success in this course.

Note that students doing this course cannot get a Chemistry subject endorsement certificate. Scholarship candidates are expected to work independently on an Organic Chemistry Standard to broaden their knowledge.

	No.	Title	Level	Credit	I/E
AS	90695	Determine the composition of an oxidant or reductant by titration	3	2	I
AS	90696	Describe oxidation-reduction processes	3	3	E
AS	90780	Describe properties of particles and thermochemical principles	3	5	E
AS	90700	Describe aqueous solutions using equilibrium principles	3	5	E
US	8950	Predict the formation of precipitates	3	2	I
US	8948	Calculate enthalpy changes	3	2	I
			Total	19	

SOCIAL SCIENCES FACULTY

LEVEL 1 HISTORY (Code: 11HIS)

Qualification: Credits towards NCEA Level 1
Entry Requirement: Open (This course requires good levels of literacy).
Course Description: This course is a study of twentieth century topics investigating important ideas, events and forces. The topics include The Origins of World War II, Race Relations (New Zealand) and a study of the civil rights movement in the USA. Internal assessment will require students to carry out historical investigation and communicate historical ideas.
Literacy: This course offers 20 credits towards Level 1 Literacy from Achievement Standards

	No.	Title	Level	Credit	I/E	Lit/Num
AS	91001	Carry out an investigation of an historical event, or place, of significance to New Zealanders.	1	4	I	L
AS	91002	Demonstrate understanding of an historical event, or place, of significance to New Zealanders.	1	4	I	L
AS	91003	Interpret sources of an historical event of significance to New Zealanders.	1	4	E	L
AS	91004	Demonstrate understanding of different perspectives of people in an historical event of significance to New Zealanders.	1	4	I	L
AS	91005	Describe the causes and consequences of an historical event.	1	4	E	L
			Total	20		

LEVEL 1 GEOGRAPHY (Code: 11GEO)

Qualification: Credits towards NCEA Level 1
Entry Requirement: Open (This course requires good levels of literacy and numeracy).
Course Description: This course is a study of natural and cultural features of the environment. Topics include extreme natural events (earthquakes and volcanoes in New Zealand), population patterns, processes and issues (New Zealand). Students will carry out directed geographic research; examine a contemporary geographical issue and a global pattern to cover the internally assessed components. This is an enjoyable subject where students begin to understand what cause things to occur in our world.
Literacy: This course offers 18 credits towards Level 1 Literacy from Achievement Standards
Numeracy: This course offers 8 credits towards Level 1 Numeracy from Achievement Standards

	No.	Title	Level	Credit	I/E	Lit/Num
AS	91007	Demonstrate a geographic understanding of environments that have been shaped by extreme natural events.	1	4	E	L
AS	91008	Demonstrate geographic understanding of population concepts.	1	4	E	L
AS	91010	Apply concepts and basic geographic skills to demonstrate understanding of a given environment.	1	4	E	N
AS	91011	Conduct geographic research, with direction.	1	4	I	L/N
AS	91012	Describe aspects of a contemporary New Zealand geographic issue.	1	3	I	L
AS	91013	Describe aspects of a geographic topic at a global scale.	1	3	I	L
			Total	22		

LEVEL 1 SOCIAL STUDIES (Code: 11SOS)

Qualification: Credits towards NCEA Level 1
Entry Requirement: Open
Course Description: This course is designed to develop the social conscience of young people through an inquiry based learning structure. Students will identify and explore examples of social and cultural change while becoming personally involved in a social justice and/or human rights action. They will leave the program with an appreciation and respect for the varied opinions we have in modern society, and more importantly, the ability to evaluate these values positions.

Literacy: This course offers 20 credits towards Level 1 Literacy from Achievement Standards

	No.	Title	Level	Credit	I/E	Lit/Num
AS	91039	Describe how cultures change	1	4	E	L
AS	91040	Conduct a social inquiry	1	4	I	L
AS	91041	Describe consequences of cultural change(s)	1	4	E	L
AS	91042	Describe personal involvement in a social justice and human rights action	1	4	I	L
AS	91043	Describe a social justice and human rights action	1	4	I	L
			Total	20		

LEVEL 2 HISTORY (Code: 12HIS)

Qualification: Credits towards NCEA Level 2
Entry Requirement: Level 1 literacy requirements required (consultation with Teacher in Charge)
Course Description: This course follows three themes: Nationalism, Imperialism and the development of new nations and Government. The topics offered at Level 2 include the Origins of WWI and Russia in Revolution. Both internal and external assessment is linked to the above content.

	No.	Title	Level	Credit	I/E
AS	2.1	Carry out a planned inquiry of an historical event, or place, of significance to New Zealanders	2	4	I
AS	2.2	Examine an historical event, or place, of significance to New Zealanders	2	5	I
AS	2.3	Examine sources of an historical event of significance to New Zealanders	2	4	E
AS	2.4	Interpret different perspectives of people in an historical event of significance to New Zealanders	2	5	I
AS	2.5	Examine causes and consequences of a significant historical event	2	5	E
			Total	23	

*Standard numbers to be confirmed.

LEVEL 2 GEOGRAPHY (Code: 12GEO)

Qualifications: Credits towards NCEA Level 2
Entry Requirement: Level 1 Literacy (In consultation with Head of Faculty and Teacher in Charge of Geography)
Course Description: Level Two Geography is an interesting course where we spend time looking at the processes that have shaped New Zealand and other parts of the world. We focus on the Tongariro Plateau and the Amazon Basin. We research Bio-Security issues in New Zealand and examine the impact of Blood Diamonds on people and places.

	No.	Title	Level	Credit	I/E
AS	2.1	Demonstrate geographic understanding of a large natural environment	2	4	E
AS	2.4	Apply concepts and geographic skills to demonstrate understanding of a give environment	2	4	E
AS	2.5	Conduct geographic research with guidance	2	5	I
AS	2.6	Explain aspects of a contemporary geographic issue	2	3	I
AS	2.7	Explain aspects of a geographic topic at a global scale	2	3	I
			Total	19	

*Standard numbers to be confirmed.

LEVEL 2 SOCIAL STUDIES (Code: 12SOS)

Qualification:	Credits towards NCEA Level 2
Entry Requirement:	Level 1 Literacy (consultation with Teacher in Charge)
Course Description:	This course is designed to further develop the social conscience of young people through an inquiry based learning structure. Students will identify and explore how global conflict arises as well as taking part in their own social justice and/or human rights action. Students will leave the program with an appreciation and respect for the varied global perspectives and where they fit as a citizen of the world.

	No.	Title	Level	Credit	I/E
AS	2.1	Demonstrate understanding of conflict(s) arising from different cultural beliefs and ideas.	2	4	E
AS	2.2	Conduct an evaluated social inquiry	2	5	I
AS	2.3	Describe how cultural conflicts can be addressed	2	4	E
AS	2.4	Describe personal involvement in a social action related to rights and responsibilities	2	5	I
AS	2.5	Describe a social action to enable communities and/or nations to meet responsibilities and exercise rights	2	4	I
				Total	22

*Standard numbers to be confirmed.

TRAVEL AND TOURISM (INTRODUCTORY) (Code: 12TOR)

Qualifications:	Credits towards NCEA Level 2
Entry Requirement:	Open to Year 12 although students must have a reasonable level of literacy
Course Description:	This course provides a course for students interested in pursuing careers in the travel, tourism and hospitality industries. Students will cover a wide range of sectors in the tourism industry both in New Zealand and overseas.

	No.	Title	Level	Credit	I/E
US	23761	Read and Comprehend work-related documents in English for a tourism workplace	2	3	I
US	24727	Describe and compare impacts of tourism on the physical environment	2	3	I
US	24728	Demonstrate knowledge of work roles in Tourism	2	3	I
US	24729	Demonstrate knowledge of World Tourist Destinations	2	4	I
US	24730	Knowledge of the business of Tourism	2	4	I
US	24731	Knowledge of Destination New Zealand	2	4	I
US	24732	Tourist Characteristics and Needs	2	3	I
				Total	24

LEVEL 3 HISTORY (Code: 13HIS)

Qualifications:	Credits towards NCEA Level 3
Entry Requirement:	Level 2 Literacy (consultation with the Teacher in Charge)
Course Description:	This course looks at Tudor and Stuart England between 1558 and 1667. This is the time of Elizabeth I, James I, Charles I and the English Civil War. It continues into the Restoration and the rule of Charles II. This is a very interesting and important period in British political history which has influenced our thinking about how governments and societies operate.

	No.	Title	Level	Credit	I/E
AS	90654	Plan and carry out historical research	3	4	I
AS	90655	Communicate historical ideas and understandings	3	5	I
AS	90656	Analyse and evaluate evidence in historical sources	3	5	E
AS	90657	Examine a significant decision made by people in history, in an essay	3	5	E
AS	90658	Examine a significant issue in the context of change in an essay	3	5	E
				Total	24

LEVEL 3 GEOGRAPHY (Code: 13GEO)

Qualification:	Credits towards NCEA Level 3
Entry Requirement:	Level 2 Literacy (consultation with Head of Faculty and Teacher in Charge of Geography)
Approximate Cost:	Rotorua Field Trip \$60, Waitomo Field Trip \$40
Course Description:	<p>This course aims to develop an understanding and appreciation of our environment, its natural and cultural features and the processes which create those features.</p> <p>The setting for our natural processes study is the Waitomo Caves and for the cultural process study Tourism in Rotorua.</p> <p>It is a wide ranging, interesting course with two one day field trips. The course is designed to challenge experienced geographers and also provide a platform to get beginners into Geography.</p>

	No.	Title	Level	Credit	I/E
AS	90701	Analyse a physical environment focusing on interacting natural processes	3	4	E
US	5096	Analyse a cultural process	3	4	I
AS	90703	Analyse the role of geography in planning and decision making	3	3	I
AS	90704	Select and apply skills and ideas in a geographical context	3	4	E
AS	90706	Analyse a contemporary geographic issue and evaluate courses of action	3	3	I
AS	90707	Analyse a global geographic study	3	3	I
			Total	21	

LEVEL 3 CLASSICAL STUDIES (Code: 13CLS)

Qualification:	Achievement Standards Level 3
Entry Requirement:	Level 2 Literacy (consultation with Head of Faculty)
Course Description:	<p>This course studies the civilisations of ancient Greece and Rome, which provide the origins of much of European art, science, literature, law, philosophy, politics and religion. It is a 'multidisciplinary' course including a number of different types of study, which are often separated in the curriculum. Works are studied in translation.</p>

	No.	Title	Level	Credit	I/E
AS	90511	Examine and analyse passage(s) of classical literature in translation	3	6	E
AS	90512	Examine and explain a work of classical art in its social/historical and artistic context	3	6	E
AS	90513	Explain in essay format an aspect of the classical world	3	6	E
AS	90514	Research an area of classical studies	3	6	I
			Total	24	

TRAVEL AND TOURISM (ADVANCED) (Code: 13TOR)

Qualifications:	Credits towards NCEA Level 3
Entry Requirement:	Open to Year 13 although students must have a reasonable level of literacy
Course Description:	<p>This course provides a course for students interested in pursuing careers in the travel, tourism and hospitality industries. Students will develop greater understanding of NZ as a tourist destination as well as Australia and the Pacific.</p>

	No.	Title	Level	Credit	I/E
US	24733	Describe and promote a New Zealand tourist destination	3	4	I
US	18211	Demonstrate knowledge of Australia as a tourist destination	3	8	I
US	3727	Demonstrate knowledge of Pacific Island countries as tourist destinations	3	8	I
US	24725	Describe and analyse the economic significance of tourism	3	4	I
			Total	24	

BUSINESS

LEVEL 1 ACCOUNTING (Code: 11ACC)

Qualification:	Credits towards NCEA Level 1
Entry Requirements:	Open
Cost:	\$30 for workbooks and accounting stationery
Course Description:	The study of accounting enables students to understand the processes involved in recording, classifying, analysing and interpreting financial information. The knowledge and skills obtained from studying accounting would be useful in any career as it deals with money. Year 11 Accounting provides a foundation for students wishing to study Accounting in the senior school or at a tertiary level.
Literacy:	This course offers 11 credits towards Level 1 Literacy from Achievement Standards

	No.	Title	Level	Credit	I/E
AS	90976	Demonstrate understanding of accounting concepts for small entities	1	3	E
AS	90977	Process financial transactions for a small entity	1	5	I
AS	90978	Prepare financial statements for sole proprietors	1	5	E
AS	90979	Prepare financial information for a community organisation's annual general meeting	1	4	I
AS	90982	Demonstrate understanding of cash management for a small entity	1	4	I
			Total	21	

LEVEL 2 ACCOUNTING (Code: 12ACC)

Qualification:	Credits towards NCEA Level 2
Entry Requirements:	Level 1 Accounting or negotiation with the teacher in charge
Cost:	\$30 for workbook
Course Description:	This course will develop a student's understanding of the concepts of Accounting and how they are applied to a range of situations for trading and service businesses. It will include the recording and processing of financial transactions, both manually and on the computer using MYOB; identifying and designing accounting systems, the reporting of financial and non-financial information to assist in making informed business decisions.

	No.	Title	Level	Credit	I/E
AS	2.1	Demonstrate understanding of accounting concepts for a sole proprietor that operates accounting subsystems	2	4	E
AS	2.2	Demonstrate understanding of accounting subsystems for a trading firm	2	3	I
AS	2.3	Demonstrate understanding of accounting processes	2	4	I
AS	2.4	Prepare financial information for sole proprietors that operates accounting subsystems	2	4	E
AS	2.5	Interpret accounting information for sole proprietors that operate accounting subsystems	2	4	E
			Total	19	

*Standard numbers to be confirmed.

LEVEL 3 ACCOUNTING (Code: 13ACC)

Qualification:	Credits towards NCEA Level 3
Entry Requirements:	Level 1 or 2 Accounting
Cost:	\$30 for workbooks and accounting stationery
Course Description:	This course will develop a student's understanding of the concepts of Accounting and how they are applied to a range of situations related to Partnerships, Companies and Manufacturing businesses. It will include the recording and processing of financial transactions, including a job cost system and the reporting of financial information to interested parties. The Achievement and Unit Standards will be chosen from:

Note: students wanting an Accounting subject endorsement certificate would need to independently complete AS 90504 (Internal).

	No.	Title	Level	Credit	I/E
AS	90500	Describe and apply the conceptual basis of accounting in context	3	4	E
AS	90501	Process financial information for partnerships and companies	3	3	E
AS	90503	Prepare financial statements for partnerships and companies	3	6	E
AS	90505	Explain and prepare information for management decision-making	3	3	E
US	7375	Prepare accounting records for a partnership	3	2	I
US	7376	Prepare accounting records for a company	3	2	I
				Total	20

Students are unable to gain certificate endorsement without extra work.

DIGITAL TECHNOLOGY

INTRODUCTORY COMPUTING LEVEL 1 (Code: 11INT)

Qualification:	Credits towards NCEA Level 1
Cost:	Students will be required to keep their printing account in credit
Entry Requirement:	Open
Course Description:	This course uses MS Word, Publisher, Excel, PowerPoint and the Internet. The course has a strong hands-on approach and aims to provide students with skills they can transfer to other subjects, the workplace or higher level computing classes.

	No	Title	Level	Credits	I/E
US	5946	Use computer technology to create and deliver a presentation from given content	1	3	I
US	2792	Produce computer graphic documents using templates	1	2	I
US	18743	Produce and use a spreadsheet	1	2	I
US	16677	Key in text at 15 wpm	1	1	I
US	16678	Key in text at 25 wpm	1	1	I
US	18734	Create a webpage using a template	1	2	I
US	504	Produce a CV	1	2	I
US	26745	Produce still images for a range of digital media	1	3	I
US	101	Develop and use keyboarding skills to enter text	1	3	I
				Total	19

DIGITAL MEDIA STUDIES LEVEL 1 (Code: 11DMS)

Qualification:	Credits towards NCEA Level 1 and 2
Cost:	Students will be required to keep their printing account in credit
Entry Requirements:	Open
Course Description:	Students will demonstrate an understanding of the types of digital media and how they are created. Students will create and publish a quality digital media product using appropriate media tools.

	No	Title	Level	Credits	I/E
AS	91072	Demonstrate understanding of basic concepts of digital media	1	3	E
AS	91073	Implement basic procedures to produce a specified digital media outcome	1	4	I
US	2784	Create and use a computer spreadsheet to solve a problem	2	3	I
US	2786	Create and use a computer database to solve a problem	2	3	I
US	2788	Produce a desktop published document to meet a set brief	2	5	I
US	5940	Produce a presentation using a desktop presentation computer application	2	3	I
TOTAL				21	

COMPUTER SCIENCE LEVEL 1 (Code: 11CSC)

Qualification:	NCEA Level 1 and 2
Cost:	Students will be required to keep their printing account in credit.
Entry Requirements:	11MAT/MAS maths class or 10DIT teacher discretion
Course Description:	A more technical look at developing products of computer hardware and software. This subject looks at the computer science aspect of digital technology.

	No	Title	Level	Credits	I/E
AS	91072	Demonstrate understanding of basic concepts of digital media	1	3	E
AS	91073	Implement basic procedures to produce a specified digital media outcome	1	3	I
AS	91074	Demonstrate understanding of basic concepts from computer science	1	3	E
AS	91075	Construct an algorithmic structure for a basic task	1	3	I
AS	91076	Construct a basic computer program for a specified task	1	3	I
AS	91080	Demonstrate understanding of the common components a computer	1	3	I
US	18739	Create and use simple command sequences in a computer language	1	2	I
US	25659	Create a web page using a mark up language with a text editor	1	2	I
US	18734	Create a web page using a template	1	2	I
Total				24	

ADVANCED INFORMATION MANAGEMENT (Code: 12IMA)

Qualifications:	Credits towards NCEA Level 1, 2 or 3 Credits towards National Certificate in Business Administration and Computing Level 2
Cost:	Students will be required to keep their printing account in credit
Entry Requirement:	Open
Course Description:	This course is suitable for year 12 or 13 students wishing to gain entry level skills in computing or information management, or to build on skills gained in Year 11 INT. Students will, in consultation with the class teacher, develop an individual course that best suits their skill level, by selecting unit standards from those offered.

	No	Title	Level	Credits	I/E
US	101	Develop and use keyboarding skills to enter text	1	3	I
US	102	Consolidate keyboarding skills and produce accurate text	1	3	I
US	2792	Produce computer graphic documents using templates	1	2	I
US	5946	Use computer technology to create and deliver a presentation from given content	1	3	I
US	16677	Key in text at 15 wpm	1	1	I
US	18743	Produce and use a spreadsheet	1	2	I
US	18758	Use a browser to navigate the World Wide Web	1	2	I
US	111	Use a word processor to produce documents	2	5	I
US	2784	Create and use a computer spreadsheet to solve a problem	2	3	I
US	2788	Produce desktop published documents to meet a set brief	2	5	I
US	5940	Produce a presentation using a desktop presentation computer application	2	3	I
US	12885	Create and enhance documents combining text and images for generic text and information management	2	6	I
US	16678	Key in text at 25 wpm	2	1	I
US	112	Produce information using word processing functions	3	5	I
US	16679	Key in text at 35 wpm	3	1	I
US	24872	Produce documents for a workplace using a computer	3	3	I
US	12887	Integrate text and images and refine file management for generic text and information management	3	6	I

Students will, in consultation with the class teacher develop an individual course that best suits their skill level, by selecting standards from those offered.

LEVEL 2 COMPUTER SCIENCE (Code: 12CSC)

Qualification:	NCEA Level 2
Cost:	Students will be required to keep their printing account in credit
Entry Requirements:	14 Credits in Level 1 Computing or Mathematics
Course Description:	A unit standards course focussing on computer application development and computer theory.

	No	Title	Level	Credits	I/E
US	2783	Demonstrate knowledge of the components of personal computer system	2	3	I
US	2786	Create and use a computer database to solve a problem	2	3	I
US	25655	Create a website using a dedicated web-authoring tool to meet a set brief	2	3	I
US	25656	Create a website using a mark-up language to meet a set brief	2	3	I
US	18740	Create a simple software program to meet a set brief	2	3	I
US	20332	Use the internet for information retrieval in an organisation	2	3	I
Total				18	

LEVEL 3 COMPUTER SCIENCE (Code: 13CSC)

Qualifications: Credits towards NCEA Level 3
Entry Requirement: US18740 and US25656 from 12CPT
Course Description: Students will further refine their computer science skills by creating programmes and websites they will also use scripting language in a computer application.

	No.	Title	Level	Credit	I/E
US	18741	Create a computer programme to provide a solution	3	6	I
US	25657	Create a website for a stakeholder using a mark up language	3	6	I
US	5954	Automate processes in a computer application using a scripting language	3	5	I
				Total	17

TECHNOLOGY FACULTY

LEVEL 1 FOOD AND NUTRITION (Code: 11FNU)

Qualifications:	Achievement Standards Level 1
Entry Requirement:	Open
Cost:	\$100 towards ingredients
Course Description:	This course focuses on developing skills and knowledge around food and the preparation of nutritious meals. The topics covered include food safety, teenage eating and food labelling. An opportunity to develop technological skills will also be offered. The course involves both written and practical work.

The following units may be subject to change.

	No.	Title	Level	Credit	I/E
AS	90956	Demonstrate knowledge of an individual's nutritional needs	1	5	I
AS	90959	Demonstrate knowledge of practices and strategies to address food handling issues	1	5	I
AS	90961	Demonstrate understanding of how packaging information influences an individual's food choices and well-being	1	4	E
AS	91082	Implement basic procedures to process a specified product	1	4	I
				Total	18

LEVEL 2 FOOD AND NUTRITION (Code: 12FNU)

Qualification:	Level 2 Unit Standards
Entry Requirements:	Open, but Level One Foods or Hospitality is desirable
Cost:	\$100 towards ingredients
Course Description:	This course enables students to further develop their skills and knowledge in working with food. The course covers studies on locally grown foods, a variety of kitchen equipment and the preservation of in-season foods. An investigation into vegetarian eating is also included. All work is carried out through practical food preparation experiences.

The following units may be subject to change.

	No.	Title	Level	Credits	I/E
US	6640	Describe and prepare locally available food	2	5	I
US	6651	Preserve foods for the family	2	6	I
US	15626	Demonstrate use of multi-function equipment in meal preparation	2	4	I
US	6644	Provide nutritious food for a vegetarian	2	6	I
				Total	21

LEVEL 3 FOOD AND NUTRITION (Code: 13FNU)

Qualification:	Level 3 Unit and Achievement Standards
Entry Requirements:	Level 2 Food and Nutrition or Hospitality <u>or</u> an interview with the Head of Faculty
Cost:	\$100 towards ingredients
Course Description:	This Level 3 course offers students further opportunities to develop their nutrition knowledge and to examine issues that influence our eating patterns. The course involves studies on pregnancy nutrition, obesity, ways health can be improved and the impact of media on our food choices. Practical work is an integral part of the programme.

The following units may be subject to change.

	No.	Title	Level	Credits	I/E
US	6647	Provide nutritious food for a person with altered food needs	3	5	I
AS	90532	Discuss strategies for achieving health-enhancing changes for an individual	3	4	I
AS	90531	Explore a current nutrition issue affecting New Zealand society	3	6	I
AS	90533	Discuss the influences of media messages on food choices	3	4	E
				Total	19

LEVEL 1 HOSPITALITY (Code 11HOS)

- Qualifications:** Unit standards Level 1
Entry Requirement: Open
Cost: \$100 – towards ingredients. Students may also be required to supply extra ingredients in special situations.
Course Description: This course is linked to national standards in Hospitality and is set by the Hospitality Industry. The packages offered cover key cookery skills using basic foods, and food safety. Each unit is a mix of theory and practical based learning.

The following units may be subject to change.

	No.	Title	Level	Credit	I/E
US	15620	Apply knowledge of food hygiene and safety	1	6	I
US	15900	Prepare and present meat in the Hospitality Industry	1	3	I
US	15901	Prepare and present fruit and vegetables in the Hospitality Industry	1	2	I
US	19770	Prepare and present egg and cheese dishes in the Hospitality Industry	1	2	I
US	15896	Demonstrate knowledge of frying and grilling	1	3	I
US	15919	Demonstrate hot finger food preparation and presentation	1	2	I
				Total	18

LEVEL 2 HOSPITALITY (Code: 12HOS)

- Qualifications:** Unit standards Level 2.
Entry Requirement: Open but preference will be given to students who have completed Year 11 Hospitality or Food and Nutrition.
Cost: \$100 – course cost towards ingredients. Students may also be required to supply extra ingredients in special situations.
Course Description: This course covers aspects of food preparation using a variety of cookery methods. The content includes Certificate of Achievement packages developed by the Hospitality Industry. Knowledge will be applied and demonstrated in practical foods classes.

The following units may be subject to change.

	No.	Title	Level	Credit	I/E
US	167	Practice food safety methods in a food business	2	4	I
US	13285	Handle and maintain knives in a commercial kitchen	2	2	I
US	13276	Prepare and cook food by grilling in a commercial kitchen	2	2	I
US	13283	Prepare and present salads for service in a commercial kitchen	2	2	I
US	13272	Cook food by baking in a commercial kitchen	2	2	I
US	13281	Prepare and present sandwiches for service in a commercial kitchen	2	2	I
US	13271	Cook food by frying in a commercial kitchen	2	2	I
US	13278	Cook food by roasting in a commercial kitchen	2	2	I
US	13280	Prepare fruit and vegetables in a commercial kitchen	2	2	I
				Total	20

LEVEL 2/3 HOSPITALITY (Code: 13HOS)

- Qualifications:** Unit Standards Levels 2 and 3.
Entry Requirement: Open, but preference will be given to students who have completed a Level 1 or 2 Hospitality course.
Cost: \$100 - course cost towards ingredients. You may also be required to supply extra ingredients in special situations.
Course Description: This course will enable students to gain experience and knowledge of working in a commercial kitchen environment. The focus is on the safe preparation and presentation of food and beverages. Students will have the opportunity to develop their knowledge of international flavours, coffee and working with customers.

The following units may be subject to change.

	No.	Title	Level	Credit	I/E
US	22234	Compare characteristics of international dishes and prepare and present international dishes	2	4	I
US	17285	Demonstrate knowledge of commercial espresso coffee equipment and prepare espresso beverages under supervision	2	4	I
US	14462	Maintain personal presentation and greet customers in the hospitality industry	2	2	I
US	168	Demonstrate knowledge of food contamination hazards, and control methods used in a food business	3	4	I
US	13343	Demonstrate knowledge of basic nutrition in commercial catering	3	4	I
				TOTAL	18

LEVEL 3 CREATIVE FOODS (Code: 13CFO)

- Qualifications:** Unit Standards Level 3.
- Entry Requirement:** Open, but preference will be given to students who have completed a Level 1 or 2 Hospitality course.
- Cost:** \$100 - course cost towards ingredients. You may also be required to supply extra ingredients in special situations.
- Course Description:** This course will enable students to gain experience and knowledge of working in a commercial kitchen environment. The focus is on the safe preparation and presentation of food with the opportunity for students to develop their creativity.

The following units may be subject to change.

	No.	Title	Level	Credit	I/E
US	15627	Demonstrate creativity in meal preparation and presentation	3	6	I
US	6648	Prepare, plan and serve food for a special occasion	3	4	I
US	6630	Demonstrate knowledge of food safety	3	5	I
TOTAL				15	

LEVEL 1 EARLY CHILDCARE (Code: 11ECC)

- Qualifications:** Achievement and Unit Standards Level 1 and 2
- Entry Requirements:** Open
- Cost:** \$60.00
- Course Description:** This course provides opportunities for students to gain knowledge about interacting and taking care of young children. Some practical experiences are also included.

The following units may be subject to change.

	No	Title	Level	Credit	I/E
AS	90957	Demonstrate understanding of societal influences on an individual's food choices and well-being	1	5	I
US	12358	Demonstrate knowledge of purchasing household goods	1	3	I
US	526	Describe community services that are beneficial to families	1	2	I
US	8993	Describe the social institution of a family and its influence on children and society	1	4	I
AS	90960	Demonstrate understanding of how an individual, the family and society enhance each other's well-being	1	4	E
Total				18	

LEVEL 2 EARLY CHILDCARE (Code: 12ECC)

- Qualifications:** Unit Standards Level 2
- Entry Requirement:** Open, but Students will benefit from having knowledge and experience of food and nutrition.
- Cost:** \$60
- Course Description:** This course provides students with an opportunity to observe, participate and work with young children and learn about their basic needs. Students will also plan, prepare and serve nutritious meals for toddlers and young children.

The following units may be subject to change.

	No.	Title	Level	Credit	I/E
US	6632	Apply knowledge of age-related nutrition needs in providing food for a child	2	5	I
US	6643	Apply knowledge of age-related nutrition needs in providing food for a toddler	2	5	I
US	6661	Describe the changing social needs of the family and the human resources required to meet them	2	4	I
US	6670	Provide short-term care for a child	2	4	I
Total				18	

LEVEL 3 EARLY CHILDCARE (Code: 13ECC)

Qualifications: Unit Standards Level 3
Entry Requirement: Open, but previous study of Level 2 Childcare an advantage.
Course Description: This course provides students with the opportunity to develop their knowledge and understanding of young children and their physical, social and emotional development. Students will complete a placement at one of a range of childcare facilities.

The following units to be assessed may be subject to change.

	No.	Title	Level	Credit	I/E
US	10014	Participate in young children's play	3	8	I
US	10015	Communicate with young children	3	4	I
US	10026	Demonstrate knowledge of child development	3	5	I
US	10034	Demonstrate knowledge of early childhood services in the local community and in New Zealand	3	2	I
US	10013	Explain the purposes, structure and relevance of Te Whaariki	3	2	I
				Total	21

LEVEL 1 TEXTILE TECHNOLOGY (Code: 11TET)

Qualification: Achievement Standards Level 1
Entry Requirement: Open. Experience working with Fabrics an advantage.
Cost: \$40 towards notions. Students will be required to provide most of the materials necessary to participate in this course.
Course Description: This course gives students the opportunity to develop their practical skills in working with fabrics. The understanding of technological ideas is an integral part of the programme. Students will be encouraged to work independently and develop time management skills. Both practical and related written components form part of the course.

The following units may be subject to change.

	No.	Title	Level	Credit	I/E
AS	91047	Undertake development to make a prototype to address a brief	1	6	I
AS	91049	Demonstrate understanding of how materials enable technological products to function	1	4	E
AS	91058	Implement basic procedures using textile materials to make a specified product	1	6	I
AS	91096	Make basic adaptations to a pattern to enable a design to fit a person or item	1	4	I
				Total	20

LEVEL 2 TEXTILE TECHNOLOGY (Code: 12TET)

Qualification: Achievement and Unit Standards Level 2
Entry Requirement: Open. Previous experience working with fabrics would be an advantage.
Cost: \$40 towards notions. You will be expected to provide all your own materials for this course.
Course Description: The focus of this course is on the further development of technological skills and ideas. An opportunity is provided for students to enter Young Fashion Designer competitions. There is also an opportunity for students to enrol in a Bay of Plenty Polytechnic sewing skills course.

The following units may be subject to change.

	No.	Title	Level	Credit	I/E
AS	2.21	Implement advanced procedures using textile materials to make a specified product with special features	2	6	I
AS	2.4	Undertake effective development to make and trial a prototype	2	6	I
AS	2.26	Make advanced adaptations to a pattern to change the structural and/or style feature of a design	2	4	I
US	6691	Construct a lined skirt	2	6	I
				Total	22

*Standard numbers to be confirmed.

LEVEL 3 TEXTILE TECHNOLOGY (Code: 13TET)

Qualification: Unit Standards Level 3
Entry Requirement: Open. Previous experience working with fabrics would be an advantage.
Cost: \$50 towards notions. Students will be required to provide all materials necessary to participate in this course.
Course Description: This is a course of study which requires students to develop and explore pattern and material selection along with the production of fashion drawings. Practical and written components form part of the course. An opportunity is provided for students to enter Young Fashion Designer competitions.

The following units may be subject to change.

	No.	Title	Level	Credit	I/E
US	16840	Prepare for and produce fashion drawings for a portfolio	3	5	I
US	6701	Prepare for and construct a textile item for a specific purpose	3	6	I
US	6699	Prepare and construct a garment for a formal occasion	3	6	I
US	16841	Draft a garment or outfit pattern from a block or blocks	3	6	I
Total				23	

TECHNOLOGY & BUILDING (Code: 11TAB)

These courses are designed for students interested in working in the construction industry. They are practically based and focus on developing skills and processes through planning, assembling and applying finishing operations to various practical projects. Students gain a variety of experiences using the necessary hand tools, power-tools and machinery. The Unit Standards on offer are set by the Building & Construction Industry Training Organisation (BCITO) and these can form the base of an apprentice's trade qualification.

Qualifications: Unit Standards Level 1
Entry Requirement: Year 10 Materials Technology (Wood) or an interview with the Head of Faculty
Cost: \$60 for projects
Course Description: This is a course where the emphasis is on practical work rather than theory. Students will construct various projects and develop their skills and experience with workshop machinery, power-tools and hand-tools. The Unit Standards on offer are set by the Building & Construction Industry Training Organisation (BCITO).

The following units may be subject to change.

	No.	Title	Level	Credit	I/E
US	24352	Demonstrate knowledge of and apply safe working practices in the construction of a BCATS project	1	2	I
US	24356	Apply elementary workshop procedures and processes for BCATS projects	1	8	I
US	25920	Use joints for a BCATS project	2	3	I
US	24355	Demonstrate knowledge of construction and manufacturing materials used in BCATS projects	2	4	I
Total				17	

LEVEL 2 TECHNOLOGY & BUILDING (Code: 12TAB)

Qualification:	Level 2 Unit Standards
Entry Requirements:	Level One Technology and Building <u>or</u> an interview with the Head of Faculty
Cost:	\$60 for projects
Course Description:	This course enables students to further develop their skills, knowledge and working practices covered in the Level 1 course. The focus is on practical work where students plan, prepare, assemble and finish timber projects. The Unit Standards on offer are set by the Building & Construction Industry Training Organisation (BCITO).

The following units may be subject to change.

	No.	Title	Level	Credits	I/E
US	24354	Demonstrate knowledge of and apply safe working practices in a BCATS workplace	2	4	I
US	12932	Construct timber garden furniture and items of basic construction equipment as a BCATS project	2	8	I
US	12927	Identify, select, maintain, and use hand tools for BCATS projects	2	6	I
Us	24357	Receive instructions and communicate information in relation to BCATS projects	2	4	
Total				22	

LEVEL 3 TECHNOLOGY & BUILDING (Code: 13TAB)

Qualification:	Level 3 Unit Standards
Entry Requirements:	Level 2 Technology and Building
Cost:	\$70 for projects
Course Description:	This Level 3 course offers students further opportunities to develop their range of building and construction skills and knowledge. Workshop machinery and power-tools will be used extensively. The course focuses on practical projects, but there are also some written applications required. The Unit Standards on offer are set by the Building & Construction Industry Training Organisation (BCITO).

The following units may be subject to change.

	No.	Title	Level	Credits	I/E
US	12998	Demonstrate knowledge of carpentry hand tools	3	4	I
US	12997	Demonstrate knowledge of safe working practices on construction sites	3	3	I
US	24378	Perform building calculations	3	4	I
US	13002	Knowledge of timber used in construction	3	2	I
Total				13	

LEVEL 1 GRAPHICS (Code: 11GRA)

Qualification:	Achievement Standards Level 1
Entry Requirements:	Junior School Graphics option <u>or</u> interview with Head of Faculty
Cost:	\$5 for materials (+Graph Pak if not bought earlier)
Course Description:	This course aims to develop design and visual communication skills in areas of spatial and product design situations. It is intended to extend junior graphics skills and offers students the opportunity to work in their own fields of interest.

The following units may be subject to change.

	No.	Title	Level	Credit	I/E
AS	91063	Produce freehand sketches to communicate own design ideas	1	3	E
AS	91064	Produce instrumental multi-view orthographic drawings that communicate technical features of design ideas	1	3	E
AS	91065	Produce instrumental paraline drawings to communicate design ideas	1	3	E
AS	91068	Undertake development of design ideas through graphics practice	1	6	I
AS	91069	Promote an organised body of design work to an audience using visual communication techniques	1	4	I
Total				19	

LEVEL 2 GRAPHICS (Code: 12GRA)

Qualification: Achievement Standards Level 2
Entry Requirement: Level 1 Graphics (minimum 15 credits)
Cost: \$5 for materials (+Graph Pak if not bought earlier)
Course Description: This course focuses on developing students' ability to analyse and solve design brief requirements, research and evaluate design ideas and further develop design and visual communication skills. Students are encouraged to pursue design briefs that are relevant within their own fields of interest.

The following units may be subject to change.

	No.	Title	Level	Credits	I/E
AS	2.30	Communicate design ideas using visual communication techniques	2	3	E
AS	2.31	Use working drawings to communicate technical details of a design	2	4	E
AS	2.32	Produce instrumental perspective projection drawings to communicate	2	3	E
AS	2.34	Develop a spatial design through graphics practice	2	6	I
AS	2.35	Develop a product design through graphics practice	2	6	I
			Total	22	

*Standard Numbers to be confirmed

LEVEL 3 GRAPHICS (Code: 13GRA)

Qualification: Achievement Standards Level 3
Entry Requirement: Level 2 Graphics (minimum 12 credits)
Cost: \$5 for materials (+Graph Pak if not bought earlier)
Course Description: In this course students aim to work as close as possible to real-world design brief solutions. The intent is to solve design problems and present solutions employing a wider scope and deeper range of related knowledge. Advanced drawing and presentation techniques are required to present solutions to spatial and product design situations.

The following units may be subject to change.

	No.	Title	Level	Credits	I/E
AS	90734	Negotiate a brief and a solution by applying a design process	3	5	E
AS	90735	Plan and produce a presentation to communicate design ideas	3	4	E
AS	90736	Develop and communicate a solution to an architectural or environmental design brief	3	5	I
AS	90737	Develop and communicate a solution to an engineering or technological design brief	3	5	I
AS	90738	Develop and communicate a solution to a media or technical illustration design brief	3	5	I
			Total	24	

LEVEL 1 ELECTRONICS (Code: 11IEL)

Qualifications:	Level 1 Achievement Standards, Level 1 and 2 Unit Standards
Entry:	Open, but with limited places available. Selection based on work habits and attitude may occur if the class is over subscribed.
Costs:	Approximately \$30 for take-home projects.
Course Description:	This course introduces concepts of electronics and technology. The content is balanced between theory and practical work. It develops many practical skills including those which relate to the recognition of components, the design and construction of circuits, measurement of electrical parameters and the construction of electronic systems. Students will gain basic skills which could be utilised directly in appropriate employment or become the foundation for further study of electronics in either a high school or tertiary environment.

	No.	Title	Level	Credit	I/E
US	5909	Atomic principles as applied to the Electrotechnology industry.	1	1	I
US	15849	Perform manual soldering and de-soldering.	2	2	I
US	7456	Construct an electronic kitset.	1	3	I
AS	91050	Demonstrate understanding of the role of subsystems in technological systems.	1	4	E
AS	91077	Demonstrate understanding of basic concepts used in the design and construction of electronic environments.	1	3	I
AS	91078	Implement basic interfacing procedures in a specified electronic environment.	1	3	I
AS	91079	Implement basic techniques in constructing a specified electronic and embedded system.	1	3	I
				Total	19

LEVEL 2 ELECTRONICS (Code: 12IEL)

Qualification:	Compulsory Unit standard credits towards the National Certificate in Electronics Technology Level 2
Entry Requirement:	A minimum of 12 credits from Level 1 Electronics or an interview with the teacher in charge and success in Level 1 Science. It is expected that Level 1 Maths credits have also been gained.
Costs:	Approximately \$60 depending on product selection
Course Description:	This course is designed to cover the basic skills for entry into the electrical/electronics industry. It covers general skills of mathematics within Electronics together with workplace and safety skills. Students will do a combination of theory and practice in general electrical skills, covering areas such as the use of non-complex instruments, calculations, electrical equipment and circuitry. Several projects will be completed.

	No.	Title	Level	Credit	I/E
US	18239	Basic circuit concepts, calculations and measurements	2	5	I
US	18240	Electronic components	2	5	I
US	18241	Electronic systems	2	5	I
US	18242	Printed circuit construction	2	3	I
US	18243	Electronic product construction	2	6	I
				Total	24

LEVEL 1 MECHANICAL ENGINEERING TECHNOLOGY (Code: 11MET)

Qualifications:	Unit Standards Level 1
	Credits towards National Certificate in Mechanical Engineering Technology and NCEA
Entry Requirement:	Year 10 Materials Technology (Metal) <u>or</u> interview with Head of Faculty
Cost:	\$50
Course Description:	This course has been designed for students interested in mechanical engineering, fabrication, machining and tool making. The course will mainly deal with Metals, with some Plastic Materials Technology. The credits are largely awarded through project work and students will learn a wide range of practical engineering skills and techniques. The units total 24 credits towards the 40 required for the National Certificate in Mechanical Engineering Technology. The remaining 16 can be obtained from other Level 1 school subjects.

The following units may be subject to change.

	No.	Title	Level	Credit	I/E
US	22923	Demonstrate basic engineering workshop skills under close supervision	1	12	I
US	22924	Develop a simple product using engineering materials	1	10	I
US	22926	Demonstrate knowledge of safety procedures in a specific engineering workshop	1	2	I
				Total	24

LEVEL 2 MECHANICAL ENGINEERING TECHNOLOGY (Code: 12MET)

Qualifications:	Unit Standards Level 2
	Relating to National Certificate in Mechanical Engineering Technology
Entry Requirement:	Level 1 Mechanical Engineering Technology and a good basic knowledge of Maths, Sciences and English. Graphics to Level 1 strongly advised or an Interview with the Head of Faculty.
Cost:	\$60
Course Description:	This course has been designed to lead on from the Level 1 MET course and further students' skills in mechanical engineering, fabrication, machining and tool making. The course offers both practical and theoretical elements related to Trade Practice and Mechanical Engineering. A strong emphasis is placed on Engineering theory, Mathematics & Mechanics. It is not purely a workshop course.

The following units may be subject to change.

	No.	Title	Level	Credits	I/E
US	21911	Demonstrate knowledge of safety on engineering worksites	2	1	I
US	2395	Engineering hand tools	2	4	I
US	4433	Simple measuring devices	2	2	I
US	4435	Engineering measuring equipment	2	3	I
US	4436	Engineering marking out tools	2	4	I
US	20917	Engineering materials	2	2	I
US	21905	Engineering trade calculations	2	4	I
US	21908	Basic engineering mechanics	2	2	I
				Total	22

LEVEL 2 AUTOMOTIVE ENGINEERING (Code: 12AUT)

Qualifications:	Unit Standards Level 2 Credits towards National Certificate in Entry to Automotive Trades
Entry Requirement:	Year 12 and 13 students with a good basic knowledge of English, Maths, Science and Technology. Interview with the Head of Faculty
Cost:	\$20
Course Description:	This focuses on presenting the basic knowledge required to understand the workings of a standard motor vehicle. It includes the basic engineering knowledge and practical skills required in an automotive workshop.

The following units may be subject to change.

	No.	Title	Level	Credits	I/E
US	16113*	Demonstrate knowledge of safe working practices in an automotive workshop	2	2	I
US	21670	Demonstrate knowledge of general engineering tasks in the motor industry	2	3	I
US	21669	Demonstrate knowledge of hand tools and workshop equipment for motor industry applications	2	2	I
US	21859	Select and use hand tools and workshop equipment for motor industry applications	2	2	I
US	229	Identify the functions and general locations of motor vehicle systems and components	2	5	I
US	231	Explain the operation of two stroke and four stroke petrol and diesel engines	2	4	I
US	244	Disassemble and assemble a four stroke engine	2	6	I
				Total	24

*** This credit is compulsory and must be completed prior to any other.**

INTERDISCIPLINARY

YOUNG ENTERPRISE (Code: 13YES)

This is an additional course available at Level 3. Students must apply and meet conditions to become part of this programme.

Qualification:	Level 3 Equivalent Standards (these can be used if needed for entry to University)
Entry Requirement:	Literacy and Numeracy Level 1. Good attendance in previous year.
Costs:	Undefined (groups will set up a business which will require some start up money. Exam Fee \$24
Course Description:	This course is for committed students who want to learn what it is like to run their own business. The class will be put into groups of 6 - 9 to form a company to produce a product, market and sell it. Along the way they will learn the various requirements of running a business. Some Year 12 students can take this course.

Title	Level	Credit Equivalent
Young Enterprise Exam (sat in mid August)	3	10
Young Enterprise Portfolio	3	14
Total		24

Credit Inclusion: The provisions for credit inclusion will be reviewed to determine the extent to which credit inclusion aligns with the objectives of the New Zealand Curriculum, which is being progressively implemented in schools from 2010 onwards. In the meantime it is unlikely that any new course will be approved for credit inclusion in NCEA qualifications.

- NZQA have provision for recognition for credit equivalents from other qualifications that are quality assured.
- NZQA publishes an approved list of qualifications recognised for credit inclusion.
- Credit equivalents from credit inclusion do not appear on the Record of Achievement. They may be used only once and do not contribute to the University Entrance Level 3 requirements, except for the Waikato Certificate of Studies, English, which can contribute to the university entrance writing requirement (2.1 and 3.2).
- If a school wishes to access credit inclusion for any students it should complete the appropriate form and send it to NZQA with the applicable student results.
- Applications may be submitted for qualifications from the approved list which were gained up to two years prior to the year of application for credit inclusion.

This course will run subject to staffing.

TERTIARY EXTENSION

Qualification:	Full credit Stage 1 paper(s) offered by the University of Waikato
Entry Requirement:	Literacy and Numeracy requirements for University Entrance (refer to booklet introduction). Some require specified Level 3 NCEA credits and 64 credits in four approved subjects towards Level 2 of the NCEA.
Cost:	To be advised - depends upon demand. Some support from STAR.
Course Description:	Possible courses include: Te Reo Maori Mathematics - Calculus and Algebra Social and Moral Philosophy Economics Computer Science Tourism and Hospitality
Delivery:	Depends on numbers - may be in lecture-discussion form in conjunction with other schools, by internet, by attendance at University or other modes.
Assessment:	Often through essays, tests and online participation. If interested in more information about any of these see Mr Haussmann.

CAREER INFORMATION SOURCES

At the College

Career Information Box in Tutor Room, display area upstairs in Library and in the Pathways Centre. Notice board in the Library Foyer and in the Pathways Centre for upcoming events, listen to daily notices or ask the Careers Team:

- Mr Haussmann, Careers Advisor, Office is in the Library.
- Mrs Rae-Middleton, Pathways Director, Office is in G4, Ph 853 5660 ext 844
- Mrs Christine Cosgrove Pathways Administrator, Office is in G4 Phone 853 5660 ext 846.

Not sure about what career you want to do? The Career Quest programme is available on the Careers NZ Website.

On the Web

There are lots of websites that will give you information about jobs, careers, apprenticeships, industry training organisations and tertiary education providers. Some to start with are:

- www.careers.govt.nz – offers a range of systems where your questions can be answered and information sought - email and chatline access. Has special sections for school students, parents and family, Maori and Pasifika.
- www.kiwiquals.govt.nz – can give information about qualifications available.
- www.tec.govt.nz – information about programmes funded by the Tertiary Education Commission including youth training and apprenticeships.
- www.itf.org.nz – information about industry training throughout New Zealand.
- www.modern-apprenticeships.govt.nz – focus on skills training.

Using Google to search will find you all the various training organisations websites where programme information is available.

By Phone

Freephone – 0800 222 733 - Career NZ advisors available to answer questions and give assistance with career planning.

- www.fis.org.nz – gives information about scholarships available under Breakout programme and where to get more details.
- www.takoa.co.nz – gives information about scholarships available to Maori students.
- www.sorted.org.nz – has sections for budgeting for tertiary students.
- www.studylink.govt.nz – information about finance and support for tertiary study

CAREER PLAN

This is the first step you should take before making your final choices for next year.

1. It is a good idea to work backwards. Start with what you would like to do when you leave school, then read through the subjects offered in this book.
2. See Mr Hausmann for Careers advice.
3. Write your academic goals in the boxes provided.
 E.g.: Year 11 goal could be to gain Level 1 NCEA with 10 excellences or merit grades
 Year 12 goal could be to gain Level 2 NCEA
 Year 13 goal could be to gain entry to Medical School
4. List the subjects you need to achieve your career goal for the next three years. Even if you are planning to leave school in Year 12, list the Year 13 subjects - your plans could change.

Career Goal	Year 13 Academic Goal	Year 12 Academic Goal	Year 11 Academic Goal
	Proposed Subjects	Proposed Subjects	Proposed Subjects

PLANNING SHEET FOR SUBJECT SELECTION – 2012

Name: _____ Year: _____ Whanau Group: _____

Definitely returning Possibly returning Definitely leaving

Full Year Subjects – in order of priority:

						Possible Alternatives	
1	2	3	4	5	6	7	8

NOTES