



Otamatea High School

Te Kura Tuarua O Otamatea

Year 12

Course Booklet 2010

MISSION STATEMENT

Otamatea High School aims to provide a learning culture that will develop the whole child within a safe and secure learning environment.

VISION

Developing the well educated, balanced all-rounder who is able to contribute positively to our community.

VIRTUES

Collective Responsibility
Environmental Awareness
Respect and Honesty
Individual Uniqueness
Excellence

Otamatea High School Course Structure for Years 10 to 13 2010

KEY:	<input type="checkbox"/>	Compulsory Subjects or needed for NCEA Literacy and Numeracy Requirements
	<input checked="" type="checkbox"/>	Terminates at this level
	<input type="checkbox"/>	leads to, with the previous subject being desirable or compulsory

YEAR 10	YEAR 11	YEAR 12	YEAR 13
English	English - Academic →	English -Academic →	English
	English - Vocational →	English - Vocational ✗	
	English - Workskills →	English - Workskills ✗	
Mathematics	Mathematics - Academic →	Mathematics - Academic →	Mathematics with Calculus
	Mathematics - Vocational →	Mathematics - Vocational ✗	Statistics with Modelling
	Mathematics - Workskills ✗		
Science	Science – Academic →	Biology →	Biology
		Chemistry →	Chemistry
	Science - Vocational →	Physics →	Physics
		Horticulture →	Horticulture
	Science - Workskills ✗		
Social Science	Geography →	Geography →	Geography
	History →	History →	History
Physical Health & Wellbeing	Physical Education →	Physical Education →	Physical Education
Y10 Options: Students do TWO for a year			
Dance			
Design Technology (Metal/Wood)	Wood Technology →	Construction ✗	
	→	Wood Technology →	Wood Technology
Drama			
Economics	Accounting →	Accounting →	Accounting
	Engineering →	Engineering ✗	
Food Technology	Food & Nutrition →	Food & Nutrition →	Food & Nutrition
Graphics	Graphics →	Graphics (Corres.) →	Graphics (Corres.)
Information Management	Information Management →	Information Management →	Information Management
Japanese	Music →	Music →	Music (Corres.)
Music	Music →	Music →	Music (Corres.)
Te Reo Maori	Te Reo Maori →	Te Reo Maori →	Te Reo Maori
	Textile Technology →	Textile Technology →	Textile Technology
Visual Art	Visual Art →	Visual Art →	Art History (Corres.)
		→	Printmaking
		→	Painting
		→	Photography
Other by Correspondence	Career Skills ✗		
	Multi-Level Studies	Multi-Level Studies	Multi-Level Studies
	Computing	Computing	Computing
	Dance	Dance	Dance
	Drama	Drama	Drama
	Environmental Studies	Environmental Studies	Environmental Studies
	Media Studies	Media Studies	Media Studies
	Music	Music	Music
	Sports Leadership	Sports Leadership	Sports Leadership
	Tourism	Tourism	Tourism
	Young Enterprise Scheme	Young Enterprise Scheme	Young Enterprise Scheme
	Activities Yr 11-13	A variety of activities will be offered to senior students depending on staff interest and volunteers from the community	

Courses will only run if numbers are sufficient. Pupils without the required prerequisites may be admitted to a course at the discretion of the Head of Essential Learning Area or Teacher in Charge.

Refer to subject Course Outline booklets for further information.

YEAR 12

Compulsory or Highly Desirable subjects are listed first.
All others are alphabetical

Item

- ❖ English - Academic
- ❖ English - Vocational
- ❖ English – Alternative
- ❖ Mathematics – Academic
- ❖ Mathematics - Vocational
- ❖ Accounting
- ❖ Biology
- ❖ Chemistry
- ❖ Construction Technology
- ❖ Economics
- ❖ Engineering Technology
- ❖ Food & Nutrition
- ❖ Geography
- ❖ Graphic
- ❖ History
- ❖ Information Management
- ❖ Physical Education
- ❖ Physics
- ❖ Te Reo Maori
- ❖ Textile Technology
- ❖ Visual Art
- ❖ Wood Technology

Multi-Level Studies & Activities

Title:	English - Academic
Code:	12ENGA
Level:	Year 12
Qualification:	NCEA Level 2
Pre-requisite:	At least 14 NCEA Level 1 credits or at the discretion of the HELA.
Co-requisite:	None
Entry Restrictions:	This course is aimed at those on the Academic Pathway. Striving for excellence is expected.

Course Description:

This programme will focus on the skills of creative and formal writing, research techniques, novel, film and short text analysis, aspects of dramatic production and presentation. Externally assessed components of Level 2 NCEA will be practised by way of Trial Examinations. University Entrance literacy requirement at level 2 (4 credits in reading and 4 in writing as an absolute minimum) are obligatory.

Assessment:

A pass represented by the achievement of at least 14 English credits at level 2 is expected. All internal assessments will be completed by the end of term three. Students will be assessed using the following standards in concert with their teachers.

Internally Assessed			Credits
	Level		
AS90375	2	Produce crafted and developed creative writing	3
AS90376	2	Produce crafted and developed formal transactional writing	3
AS90374	2	Deliver a presentation using oral and visual language techniques	3
AS90381	2	Investigate a language or literature topic and present information in written form	3
Externally Assessed			Credits
AS90377	2	Read, study and analyse extended written text(s)	3
AS90378	2	Read, study and analyse short written text(s)	3
AS90379	2	View/listen to, study and analyse an oral or visual text	3
AS90380	2	Read unfamiliar texts and analyse the ideas and language features	3
Total			24

Course Requirements: Stationery: A4 ringbinder, dividers, Level 2 Achievement English workbook, 20 page clear file, A4 exercise book with holes, colour pencils & felts for presentations, yellow highlighter, refill.

Entry Restrictions: Students will have gained Excellence and Merit grades primarily in External and thereafter, Internal Assessments in Level One NCEA.

This course can lead to: Level 3 NCEA English

Contact: Mr J. Laue

Title:	English - Vocational
Code:	12ENGV
Level:	Year 12
Qualification:	NCEA Level 2
Pre-requisite:	At least 8 NCEA Level 1 credits or at the discretion of the HELA.
Co-requisite:	None
Entry Restrictions:	This flexible course is aimed at those on the Vocational Pathway. Striving for merit is advised.

Course Description:

University Literacy Level 2 credits (4 in reading and 4 in writing) are obligatory. This programme will focus on the skills of creative and formal writing, research techniques, novel, film and short text analysis, aspects of dramatic production and presentation. Externally assessed components of Level 2 NCEA will be practised by the way of Trial Examinations.

Assessment:

All internal assessments will be completed by the end of term three. A pass represented by the achievement of at least 14 English credits at level 2 is expected. Students will be assessed using the following standards in concert with their teachers.

Internally Assessed			Credits
	Level		
AS90375	2	Produce crafted and developed creative writing	3
AS90376	2	Produce crafted and developed formal transactional writing	3
US12420	2	Read transactional written text closely	4
Externally Assessed			
	Level		
AS90379	2	View/listen to, study and analyse an oral or visual text	3
AS90377	2	Read, study and analyse extended written text(s)	3
Total			16

Course Requirements: Stationery: A4 ringbinder, dividers, Level 2 Achievement English Workbook, 20 page clearfile, A4 exercise book with holes, colour pencils & felts for presentations, yellow highlighter, refill.

This course can lead to: Level 3 NCEA English

Contact: Mr J. Laue

Title:	English - Workskills
Code:	12ENGW
Level:	Year 12
Qualification:	Level 1 and Level 2 Achievement/Unit Standards
Pre-requisite:	Satisfactory completion of a Level 1 English course or at the discretion of the HELA.
Co-requisite:	None
Entry Restrictions:	(N/A)

Course Description:

This course will be tailored to the individual student's needs at the beginning of the year by teacher and student agreement (using the pool of standards) and is therefore flexible. A pass in a combination of 14 credits with at least 8 at level two is desired.

Assessment:

Students will be assessed using the following pool of standards in concert with their teachers.

Internally Assessed			Credits
	Level		
US8808	1	Read a wide range of written texts and record the reading experience	3
US8827	2	Perform interpretations of poetic texts and evaluate performance	4
US8829	2	Promote discussion of ideas and develop the content of discussion	2
US12415	1	Explore language and think critically about moving images	2
US12426	2	Present static images combining verbal and visual features	3
US12905*	2	Read an inclusive variety of written texts and record the reading experience	4
AS90052	1	Produce Creative Writing	3
AS90374	2	Deliver a presentation using oral and visual language techniques	3
AS90375*	2	Produce crafted and developed creative writing	4
AS90376*	2	Produce crafted and developed formal transactional writing	3
Total			30

*** Provides possible reading and writing University Entrance Level 2 credits**

Course Requirements: Stationery: 20 page clear file, A4 exercise book with holes, colour pencils & felts for presentations, yellow highlighter, refill.

This course can lead to: Level 2 NCEA English, University Entrance literacy requirement.

Contact: Mr J. Laue

Title: **Mathematics - Academic**

Code: 12MATA

Level: Year 12

Qualification: NCEA Level 2

Pre-requisite: Students will need to have achieved the following Achievement Standards: AS1.1, AS1.2, AS1.5, AS1.6, AS1.7, AS1.8. otherwise at the discretion of the HELA.

Co-requisite: (N/A)

Entry Restrictions: (N/A)

Course Description: This course covers the specific knowledge and skills of algebra (graphs, expressions, equations), calculus, co-ordinate geometry, practical trigonometry, statistics and probability.

Assessment:

This course is assessed internally and externally as follows.

Internally Assessed			Credits
	Level		
AS90288	2	Statistics	3
AS90289	2	Probability	2
AS90291	2	Trigonometry	2
US5246*	2	Algebra	4
US5245*	2	Coordinate Geometry	2
US5248	2	Sequences	2
US5255	2	Trigonometry	3
Externally Assessed			
AS90284*	2	Algebra	4
AS90285	2	Graphs	3
AS90286	2	Calculus	4
AS90287*	2	Co-ordinate Geometry	2
AS90292	2	Trigonometric Equations	2
Total			27

* Exclusions – cannot gain credits for both Unit and Achievement Standards.

Course Requirements: Graphics Calculator

This course can lead to: Year 13 Statistics and Modelling
Year 13 Mathematics with Calculus
Tertiary Study

Contact Person: Mr D. Smyth

Title:	Mathematics - Vocational
Code:	12MATV
Level:	Year 12
Qualification:	NCEA Level 1/Level 2/National Certificate in Mathematics Level 1.
Pre-requisite:	Students will need to have completed a Year 11 Academic Mathematics or Year 11 Vocational Mathematics course.
Co-requisite:	(N/A)
Entry Restrictions:	(N/A)
Course Description:	<p>It is likely that as well as working towards a Level 1 or Level 2 qualification, many students will also be in a position to qualify for the National Certificate in Mathematics, Level 1.</p> <p>This certificate will be awarded to students who are credited with a minimum of 40 credits at Level 1 or above, 30 of which must be in Mathematics.</p>

Assessment:

This course is assessed through a combination of internally and externally assessed Level 1 and 2 Unit and Achievement Standards. They will be selected to suit the needs of the class, taking into account achievements were in the varying abilities and goals of the class.

Course Requirements: Scientific Calculator

This course can lead to: Year 13 Statistics and Modelling
Year 12 Mathematics (Academic)

Contact Person: Mr D. Smyth

Title: **Accounting**

Code: 12ACCO

Level: Year 12

Qualification: NCEA Level 2

Pre-requisite: None, but helpful to have completed NCEA Level 1.

Co-requisite: (N/A)

Entry Restrictions: (N/A)

Course Description: The aim of this course is to:
 Promote knowledge and understanding of Accounting as a financial language for trading and service businesses.
 Apply financial knowledge and skills to practical situations.

Assessment:

Internally Assessed			Credits
	Level		
AS90222	2	Investigate and report on accounting sub-systems	4
AS90226	2	Processing transactions, using computer software, for a sole proprietor	3
US7366	2	Review the control and accounting procedures for a cash sub-system	4
US7367	2	Review the control and accounting procedures for an accounts receivable sub-system	4
Externally Assessed			
AS90220	2	Describe the conceptual basis of accounting for a sole proprietor	3
AS90223	2	Demonstrate an understanding of accounting processes for Sub-systems	5
AS90224	2	Prepare Financial Statements and related accounting entries for sole proprietors	5
AS90225	2	Analyse, interpret and evaluate financial information for a sole proprietor business	4
Total			32

Course Requirements: Workbook must be purchased

This course can lead to: Level Three Accounting

Contact: Mrs E. Parsons

Title: **Biology**

Code: 12BIOL

Level: Year 12

Qualification: NCEA Level 2

Pre-requisite: Year 11 Science. Must have gained **Achievement** in the following Achievement Standards in order to do this subject: Science 1.3 and Science 1.1 or Chemistry 1.1. Entry is at the discretion of the HELA.

Co-requisite: (N/A)

Entry Restrictions: (N/A)

Course Description:

This course is based on Level 7 of the Biology in the New Zealand Curriculum Statement (Ministry of Education 1994). The course covers four major areas – Cell Biology, Genetics and Evolution, Plant and Animal Diversity, and Applied Biology.

Practical Investigation – This achievement standard involves carrying out a practical investigation.

Cell Biology – This topic covers the structure and functioning of cells.

Animal Diversity – This topic covers the classification of the animal kingdom, and investigates nutrition and gas exchange in different animal groups.

Genetic Variation and Change – This topic covers aspects of genetic variation eg: mutations, dihybrid inheritance and aspects of genetic change eg: natural selection.

Assessment:

There will be tests at the end of each topic and two examinations during the year to test the students understanding of the course content and to provide practice at answering NCEA style questions.

The Internal Unit Standards and Achievement Standards will be assessed during the year. US8928 in Term 1, AS90457 in Term 2 and US6310 in Term 3.

Internally Assessed			Credits
	Level		
US6308	2	Genetic change	5
US6310	2	Investigate an example of applied biology.	3
US8927	2	Cell biology	3
US8928	2	Use a microscope to investigate biological material.	3
Externally Assessed			Credits
AS90457	2	Carry out a practical biological investigation with supervision	4
AS90459	2	Describe concepts and processes that relate to genetic variation and change	3
AS90462	2	Describe diversity in the structure and function of animals.	3
AS90464	2	Describe cell structure and function.	3
Total			27

Course Requirements: (N/A)

This course can lead to: Year 13 Biology

Contact: Mr P. Cathersides

Title:	Chemistry
Code:	12CHEM
Level:	Year 12
Qualification:	NCEA Level 2
Pre-requisite:	NCEA Level 1 credit or better in Science 1.1, Science 1.4 and Chemistry 1.5 or at the discretion of the Teacher in Charge.
Co-requisite:	(N/A)
Entry restrictions:	(N/A)
Course Description:	Chemistry is the science, which deals with all forms of matter, their structure and transformations. The course should help the student to: <ul style="list-style-type: none"> a) Understand the concepts encountered in this subject. b) Carry out practical investigations of both a qualitative and quantitative nature. c) Carry out simple chemical calculations. d) Appreciate the interaction of chemical processes with people and the environment.
Assessment:	At the end of the course most students will sit the NCEA Level 2 external exams which may be complemented by a number of yet to be determined Unit Standards

Internally Assessed			Credits
	Level		
AS90305	2	Carry out qualitative analysis	2
AS90306	2	Perform an acid-base volumetric analysis	3
AS90307	2	Solve simple quantitative chemical problems	3
Externally Assessed			Credits
AS90308	2	Describe the nature of structure and bonding in different substances	4
AS90309	2	Describe the structural formulae and reactions of compounds containing selected organic functional groups	4
AS90310	2	Describe principles of chemical reactivity	5
AS90311	2	Describe oxidation-reduction reactions	3
Total			24

Course Requirements: (N/A)

This course can lead to: Year 13 Chemistry

Contact: Mr P. Cathersides

Title: **Construction Technology**

Code: 12CTEC

Level: Year 12, 13 (year 11 by interview)

Qualification: NCEA Level 2

Pre-requisite: To have successfully completed a Level 1 Technology course or by successful interview with the HELA

Entry restrictions: As above plus maximum class size of 15 due to size of construction shed.

Course Description:

An introduction to basic construction techniques relating to the workplace or home DIY. This course is linked to the Building and Construction Industry Training Organisation (BCITO). Projects vary from year to year depending on the needs of clients. Projects from previous years include construction of buildings and manufacture of picnic tables.

Assessment:

The Level 2 Unit Standards taught and assessed depend on the particular projects undertaken in the year of study. They will usually come from the following list: Students are expected to attempt at least 14 credits.

Internally Assessed			Credits
	Level		
US12927	2	Identify, select, maintain and use hand tools	6
US24350	2	Identify, select, maintain and use portable power tools	4
US24354	2	Demonstrate knowledge of and apply, safe working practices	2
Total			12

Course Requirements: Materials for personal projects will incur a fee for those materials

This course can lead to: Employment in the building and construction industries

Contact: Ms K. Greenwood

Title:	Economics
Code:	12ECON
Level:	Year 12
Qualification:	NCEA Level 2
Pre-requisite:	NCEA Level 1 Literacy and Numeracy credits
Co-requisite:	(N/A)
Entry Restrictions:	(N/A)
Course Description:	<p>Year 12 Economics is a practical course looking at economic issues locally, nationally and at an international level. The focus is on current issues in the New Zealand economy and so the most used text-book is the newspaper. Students do not need to have studied Economics before.</p> <p>Pupils examine the behaviour of individuals and businesses in the economy as well as trying to understand (as much as anyone can) the actions of government and state-owned enterprises.</p> <p>Pupils undertake studies of the Government's Budget (both before and after the event) as well as researching the problems of trade, inflation, the national accounts and unemployment in the NZ economy.</p>

Assessment:

Internally Assessed			Credits
	Level		
US10930	2	Carry out an economic investigation with guidance	6
Externally Assessed			Credits
AS90794	2	Describe inflation and its causes and effects using economic models	4
AS90795	2	Describe international trade and its causes and effects using economic models	4
AS90796	2	Describe economic growth and its causes and effects using economic models	4
AS90798	2	Describe government policies in relation to economic issues	6
Total			24

Contact: Mr W. Maclennan

Title:	Engineering Technology
Code:	12ETEC
Level:	Year 12, 13 (year 11 by interview)
Qualification:	Level 2
Pre-requisite:	To have successfully completed a Level 1 Technology course or by successful interview with the HELA
Entry Restrictions:	As above plus maximum class size of 18 due to availability of equipment in the Engineering workshop.

Course Description:

This full time course aims to develop practical understanding and knowledge of engineering principles by working through a series of projects of increasing complexity. Students are encouraged to research and develop their own solutions to practical problems. It is anticipated students will take up to two years to complete all standards available. Below are those offered in the first year.

Assessment:

A selection of Level 2 standards are available based on the Tools for Work programme. In the first year Units 21911, 2395, 4435, 4436 are compulsory and must be completed before electing other standards from the range below:

Internally Assessed			Credits
	Level		
US21911	2	Engineering worksite safety	1
US2395	2	Select, use and care for engineering hand tools	4
US4435	2	Select, use and care for engineering measuring equipment	3
US4436	2	Select, use and care for engineering marking out tools	4
Plus:			Credits
US2432	2	Construct engineering plane geometric shapes	3
US21907	2	Use and apply safe welding practices	3
US2430	2	Draw and interpret engineering sketches	4
Total			22

Course Requirement: There is a consumable fee of \$75 per student for common projects plus the cost of materials for the major project as chosen by the student. This is based on the actual cost per project and is billed separately.

This course can lead to: Full time tertiary courses and Apprenticeships within the Engineering and Automotive industries.

Contact: Mr M. MacKenzie

Title: Food & Nutrition

Code: 12FOOD

Level: NCEA Level 2

Qualification: Unit Standards/Achievement Standards

Pre-requisite: Students will need to have achieved a minimum level of one of the following subjects in their previous year of study: **Either** 12 credits from Level 1 Food & Nutrition **OR** if they did not study Level 1 Food & Nutrition they will need to have attained from:
Level 1 English - 8 Literacy credits
Level 1 Mathematics - 8 Numeracy credits
and be prepared to complete additional work to catch up on work missed at Year 11 Level. **NB.** Students with a background of Year 11 Food & Nutrition will be at an advantage.

Entry Restrictions: Maximum class size is 16.

Course Description:

The course covers three major topics. The Certificate of Achievement in Cookery Level 2 involving a study of food safety, grilling, salad making and the handling and maintaining of knives. Vegetarian, Nutrition and Practices and High Energy Users and their needs.

Internally Assessed			Credits
	Level		
US167	2	Practise food safety methods in a food business.	4
US13276	2	Prepare and cook food by grilling in a commercial kitchen.	2
US13285	2	Handle and maintain knives in a commercial kitchen.	2
US13283	2	Prepare and present salads for service in a commercial kitchen.	2
US6644	2	Produce nutritious food for a Vegetarian.	6
AS90245		Examine the nutritional considerations of people with high energy needs	4
Externally Assessed			Credits
AS90244	2	Explore beliefs and practices associated with vegetarianism.	4
Total			24

Assessment: Assessments will occur at the completion of each Achieved/Unit Standard. These will involve closed book testing and practical activities. One Achievement Standard is an external examination sat at the end of the year.

Course Requirements: Costs are a \$50.00 fee for ingredients, students will be required to provide additional ingredients. Unit Standard courses are STAR funded.

This course can lead to: Level 3 Hospitality studies.

Contact: Mrs G. Morrison

Title:	Geography
Code:	12GEOG
Level:	Year 12
Qualification:	NCEA Level 2
Pre-requisite:	Year 11 NCEA literacy and numeracy credits.
Co-requisite:	(N/A)
Entry restrictions:	(N/A)
Course Description:	<p>Year 12 Geography studies the urban landscape (necessitating a day trip to Whangarei or Auckland) and the natural landscape - the natural environments in New Zealand's Southern Alps and the Amazon rainforest environment.</p> <p>The final topic compares richer and poorer regions in Tanzania and throughout the world, looking at the inequalities in their development.</p> <p>A series of field reports, research assignments and simulation activities, working in groups and as individuals, are used to assess Level 2 NCEA Geography, as well as end of year external.</p>

Assessment:

Internally Assessed			Credits
	Level		
AS90335	2	Conduct guided geographic research	5
AS90336	2	Examine a contemporary geographic issue	3
AS90337	2	Explain a global study	3
US5090	2	Explain the nature, patterns and growth of an urban settlement	4
Externally Assessed:			Credits
AS90331	2	Explain natural landscapes	3
AS90333	2	Explain disparities in development both within and between countries	3
AS90334	2	Apply skills and ideas in a geographic context	4
			Total 25

Course Requirements: Cost of field trip – around \$15.00.

This course can lead to: Year 13 Geography
Year 13 Economics
Polytechnic courses in Recreation, Tourism Environmental Studies and Planning

Contact: Mr W. Maclennan/Mr M. Troost

Title: **Graphics**

Code: 12GRAP

Level: Year 12

Qualification: NCEA Level 2

Pre-requisite: Students will need to have completed a satisfactory Year 11 NCEA Level 1 Graphics course as evidenced by the end of year report.

Co-requisite: (N/A)

Entry Restrictions: (N/A)

Course Description: This course is offered by correspondence for those wishing to build on Year 11 NCEA work.

You will use the design process to find solutions to a variety of design problems. A variety of skills will be taught and practised, including:

Formal and informal drawing techniques
 Colour rendering and drawing presentation
 Lettering and information layout

Topics include:

Graphic communication and design
 Media design
 Technology design
 Environment design
 Architectural design
 Design of a restaurant franchise, magazine cover, garden feature, circuit diagrams, an apartment.

Assessment: Carried out by the Correspondence School.

Internally Assessed			Credits
	Level		
AS90323	2	Design and present a solution for an architectural or environmental brief	3
AS90325	2	Design and present a solution for a media or technical illustration brief	3
US7489	2	Identify design problems and carry out investigation	4
US7491	2	Develop and refine design solutions	3
US7509	2	Produce circuit and/or systems graphics	4
Externally Assessed			Credits
AS90318	2	Produce two-dimensional and three-dimensional freehand sketches to show design ideas	3
AS90320	2	Produce three dimensional instrumental drawings	3
AS90319	2	Produce two dimensional instrument drawings	3
Total			22

Course Requirements: (N/A)

Contact: Ms K. Greenwood

Title:	History
Code:	12HIST
Level:	Year 12
Qualification:	NCEA Level 2
Pre-requisite:	Level 1 NCEA History preferred, but not essential. Students who have not taken History before should have a reasonable ability in English. eg; An achieved grade or better in NCEA English 1.2 and 1.6.
Co-requisite:	(N/A)
Entry Restrictions:	(N/A)
Course Description:	3 topics are studied plus 2 special studies, or projects. Theme A: Nationalism, International Relations and the search for security. Topic 1: Origins of WWI Theme B: Government and Political change. Topic 2: Revolution in Russia Theme C: Imperialism, Indigenous people and the emerging of new nations. Topic 3: Vietnam and the Indo-China conflict 1945-1975.

Assessment:

Internally Assessed			Credits
	Level		
AS90465	2	Plan and carry out an historical inquiry	4
AS90466	2	Communicate an understanding of historical ideas	4
AS90468	2	Examine and demonstrate empathy for the perspectives of people in an historical setting	4
Externally Assessed			Credits
AS90467	2	Examine evidence in historical sources	4
AS90469	2	Examine a force or movement that influenced people's lives in an historical setting, in an essay	4
AS90470	2	Examine individual or group identity in an historical setting, in an essay	4
Total			24

Course Requirements: Folder, 20 pocket clearfile, set of highlighters, scissors and glue

This course can lead to: Year 13 History

Contact: Mr R. Fletcher/ Mr W. Maclennan

Title:	Information Management
Code:	12INFO
Level:	Year 12
Qualification:	Unit Standards, NCEA Level 2
Pre-requisite:	Students will usually have done keyboarding in Years 7 – 9, using computers, learning the keyboard skills, basic display of paragraphs, etc, and some design work, during a one term session each year. One year in Year 11 Information Management or at the discretion of the teacher.
Co-requisite:	(N/A)
Entry Restrictions:	Maximum class size is 24
Course Description:	Students who undertake this course are able to achieve success. They can see for themselves progress, improvements, and a final product in which they can take pride. This feeling of accomplishment increases motivation and enjoyment of learning tasks. All classes will use computers, with Microsoft Office (which includes Microsoft Word, Publisher and Excel). From 2000 the emphasis has been more on Design (Desktop Publishing) and arranging text and graphics on the page, a slightly more simple version of graphic art as used in magazines and newspapers. In Year 12 Powerpoint is used as a communications programme.
Year 12:	Students work towards Unit Standards following a Technology /Computing course, with an emphasis on personal, community and vocational development. This course covers mainly design work on a more advanced level than Year 11. Use of research sources is a necessary part.
Assessment:	

Internally Assessed			Credits
	Level		
US12884	2	Create documents and manage files for generic text and information management.	3
US12885	2	Create and enhance documents combining text and images for generic text and information management.	6
US107	2	Produce text processed communication.	5
US111	2	Operate a Word Processor.	5
US2784	2	Create and use a simple computer spreadsheet to solve a problem.	3
			Total
			22

This course can lead to: Year 13 NCEA Level 3

Contact: Mrs K. Fell

Title:	Physical Education
Code:	12PHED
Level:	Year 12
Qualification:	NCEA Level 2
Pre-requisite:	Regular participation and a positive attitude in Physical Education. Students need to have done NCEA Level 1 to access the course.
Co-requisite:	(N/A)
Entry Restrictions:	Maximum class size is limited to 20.
Course Description:	The focus of the course is to provide students with a knowledge and understanding of physical education and further develop their motor skill ability in a range of activities.
Assessment:	Practical: Badminton, Juggling, Fitness, Volleyball. Activities may change at the discretion of the teacher. Theory: Achievement Standards have a written component.

Internally Assessed			Credits
	Level		
AS90432	2	Examine the relationship between physical education achievement and health and implications for self and society	3
AS90433	2	Describe how functional anatomy and biomechanical principles relate to performing physical activity	4
AS90434	2	Examine principle and methods of training in relation to participation in physical activity	3
AS90435	2	Examine skill learning principles and psychological skills in relation to physical activity	2
AS90436	2	Demonstrate performance in two contrasting physical activities.	4
AS90437	2	Investigate the sociological significance of a sporting event, physical activity, or festival	3
AS90438	2	Plan apply and review leadership strategies in a group or team physical activity	3
AS90439	2	Demonstrate knowledge of safety issues and apply safety management procedures in a physical activity.	2
Total			24

Course Requirements: Folder

This course can lead to: Physical Education NCEA Level 3
Tertiary courses and sports related careers
Careers in the Leisure & Fitness Industry

Contact: Mrs S. Shelswell

Title:	Physics
Code:	12PHYS
Level:	Year 12
Qualification:	NCEA Level 2
Pre-requisite:	Achieved or better in NCEA Level 1 Science or Physics 1.1 and Science 1.6, or at the discretion of the Teacher in Charge.
Co-requisite:	Year 12 Mathematics is desirable
Entry Restrictions:	(N/A)
Course Description:	<p>A physicist explores the Universe by experiment and observation and tries to discover the laws that govern it. The course will cover the general principles of Physics using a practical approach where possible. Physics is regarded as essential preparation for many science orientated careers. The NCEA Level 2 Achievement Standards offered are outlined in the table below:</p> <p>Some mathematical skill is an advantage, but more important is an interest in technology and applied science.</p>
Assessment:	This assessment regime may be complemented by a number of yet to be determined Unit Standards.

Internally Assessed			Credits
	Level		
AS90252	2	Take measurements of physical quantities and analyse data graphically to determine a relationship	3
AS90258	2	Demonstrate understanding of the integrated nature of physics	2
Externally Assessed			Credits
AS90254	2	Demonstrate understanding of wave phenomena	3
AS90255	2	Demonstrate understanding of mechanics	6
AS90256	2	Demonstrate understanding of atoms and radioactivity	2
AS90257	2	Demonstrate understanding of electricity and electromagnetism	5
			Total
			21

Course Requirements: (N/A)

This course can lead to: Year 13 Physics.
Can be useful for other subjects.
Further study at Polytechnic.

Contact: Mr S. O'Mahony

Title: **Te Reo Maori**

Code: 12MAOR

Level: Year 12 & 13

Qualification: NCEA Level 2

Pre-requisite: Year 10-11 Te Reo Maori or at the discretion of the Teacher in Charge.

Entry Restrictions: Maximum class size is 16.

Course Description: This course can lead to Level 3 Te Reo Rangatira. They will attain a qualification that will provide the building blocks for future study.

Course Introductions: Talking to kaumatua/kuia. Visiting Te Korere. Nga Reo O Te Taitokerau

Assessment:

Internally Assessed			Credits
	Level		
AS90750	2	Rangahau whakarite me te whakaputa whaikorero	3
AS90751	2	Whakaputa I te korero tene	2
AS90754	2	Whakaputa I te tuhinga	4
AS90755	2	Titotito I te korero whakangahau	3
AS90756	2	Matakitaki me te hanga I te whakaaturanga	3
Externally Assessed			Credits
AS90442	2	Whakarongo kit e reo whaikupu	3
AS90752	2	Panui I te reo tawhito	3
AS90753	2	Panui I te reo hau	3
Total			24

Course Requirements: Stationery requirements. Maori Dictionary. NCEA Level 1 workbook.

Contact: Miss M. Paikea

Title: **Textile Technology**

Code: 12FASH

Level: Year 12

Qualification: NCEA Level 2

Pre-requisite: Students must have completed a satisfactory year in the Year 11 Fashion & Design course, achieving a minimum of 10 credits.

Co-requisite: Application for entry with no previous experience in this course will involve an interview with the HELA.

Entry Restrictions: Maximum class size – 18.

Course Description: This course aims to develop level 7 technological literacy with creative and practical skills in researching fabrics and circumstances to design fashionable and home articles and constructing them for wearing or using.

Assessment: The course will be internally and externally assessed, and will be selected from the following as appropriate.

Internally Assessed			Credits
	Level		
AS90371	2	Examine technological knowledge in materials technology practice	4
AS90372	2	Demonstrate skills in materials technology	4
AS90350	2	Develop and implement a one-off solution in materials technology	6
US6664	2	Design and make an item for a living environment	6
Total			20

Course Requirements: A \$50.00 fee is charged to cover the cost of consumables such as patterns, notions, interfacing, some fabrics, paints and dyes. Students will be expected to provide fabrics of their choice for most practical projects.

This course can lead to: Level 3 NCEA Textile Technology

Contact: Mrs E. van den Berg

Title: Visual Art

Code: 12ARTC

Level: Year 12

Qualification: NCEA Level 2

Pre-requisite: Level 1 Visual Art Achievement Standards 1.2, 1.3, 1.4 or at the discretion of the Teacher in Charge.

Co-requisite: NCEA Level 1 English

Entry of Restrictions: Maximum class size 20

Course Description: Students will use drawing, painting and printmaking processes, procedures, materials and techniques. They will investigate the ideas of methods of artist models to inform their ideas and use a systematic approach to generate, develop and conclude.

Assessment:

Internally Assessed			Credits
	Level		
AS90476	2	Generate and develop ideas using drawing processes and procedures in <u>painting</u> practice.	6
AS90478	2	Generate and develop ideas using drawing processes and procedures in <u>printmaking</u> practice.	6
Externally Assessed			Credits
		Either	
AS90479	2	Produce a body of work within painting to show understanding of art-making methods and ideas.	6
		Or	
AS90481	2	Produce a body of work within painting to show understanding of art-making methods and ideas.	6
			Total 24

Course Requirements:

Paint Set *	A selection of brushes
Drawing pencils	Spiral bound A3 Workbook
A3 Clearfile	A3 plastic Art bag

This course can lead to: Level 3 Visual Art

Contact: Miss R. Barclay

* Paint set may be required depending on which 2.3 Achievement Standard the student selects.

Title: **Wood Technology**

Code: 12WTEC

Level: Year 12 and 13

Qualification: NCEA Level 2

Pre-requisite: To have successfully completed a Year 11 Technology course or by successful interview with the HELA.

Entry of Restrictions: As above plus maximum class size 18 due to the availability of equipment in the wood working workshop.

Course Description:

This full time course aims to develop practical understanding of the principles of woodwork by working through a major project based on furniture (including outdoor furniture). Students will use the technology process to develop an item of furniture to meet the requirements of a client which can be a family member. This process is documented through notes, charts, drawings and photographs and presented as a portfolio which can be used in the future for employment or further education opportunities.

Assessment:

This course is an Achievement Standard course. There is no final exam for the external standards. The portfolio of work is sent away for assessment. All students will attempt those standards listed below plus any other standards that are appropriate to their chosen project.

Internally Assessed			Credits
	Level		
AS90350	2	Develop and implement a one-off solution in materials technology	6
AS90372	2	Demonstrate skills in materials technology	6
Externally Assessed			Credits
AS90371	2	Examine technological knowledge in materials technology practice	4
Total			24

Course Requirements: There is a fee of \$100 to cover the beginnings of the major project and general consumables. There will be an additional fee for projects that cost more.

This course can lead to: Level 3 technology courses (university entry approved) or pre apprenticeship courses.

Contact: Ms K. Greenwood