



OPUNAKE HIGH SCHOOL

COURSE OUTLINE SUMMARIES

GUIDE

(these are indicative statements only at this time, Teachers will hand out detailed outlines at the first class in 2010)

2010

- Year 11
- Year 12
- Year 13

YEAR 11

Tracking Achievement:

It is crucial that students keep an up-to-date record of the standards they have completed. This allows students to know exactly how they are progressing towards gaining their National Certificate.

YR 11 Courses Information 2010

Qualifications for the National Qualifications Framework. N.C.E.A. Level One

Each Achievement Standard has a credit rating. Most subjects have a total of 18 credits for a full year programme.

Students will be assessed in two different ways:

Internal Assessment -	assignments and activities carried out and assessed throughout the year
External Assessment -	for most subjects an exam sat at the end of the year or other external assessment of student work e.g. Art, Technology.

Each subject will give students a course outline at the beginning of next year giving information of the Standards, Credits available and the mix of internal and external assessment.

When students gain credits they will be recorded at three categories - achieved, merit and excellence - which reflects the quality of the work submitted and is measured against National Standards. N.C.E.A. Certificates can now be endorsed Merit and Excellence. Procedures exist for:

- ❖ Reassessment
- ❖ Compassionate consideration
- ❖ Late work
- ❖ Appeals
- ❖ Storage of student work
- ❖ Authenticity

Information about these issues are contained at the beginning of this booklet but details of these procedures will be given to students at the beginning of 2010.

11 AGRICULTURAL SCIENCE

This course is designed to enable students to gain an overview of the New Zealand agricultural scene and its importance. Areas studied will include pasture and crop production, soils, practical skills, nutrition, health and reproduction and their place in animal production

and the agricultural industry. With all these topics there will be an emphasis on the impact on the environment.

Internal Assessment: 10 Credits
External Assessment: 14 Credits

11 ART

This course is designed for students to develop the creation of art forms based on a study of the visual environment, manmade and natural, through the exploration of a variety of techniques, media and activities. The students will demonstrate a knowledge of the significance and form of Maori art and the evolution of the work of New Zealand artists. Students are required to produce development work in research and drawing processes for internal assessment and a 2 board folio for external assessment.

Internal Assessment: 9 credits
External Assessment: 12 credits

CORRESPONDENCE COURSES

Full year Correspondence Courses are available in all Faculties.

Assessed to Standards at Level 1.

An application process with an interview and the agreement of the principal is required.

11 DESIGN TECHNOLOGY

This course consists of two project briefs that will require the student to explore unique solutions in hard materials. Metalwork and woodwork skills will be explored. This class is a combination of Unit Standards and Achievement Standards and will require thorough documentation to achieve. Time will be split between the classroom for design and the workshop for construction.

Internal Assessment: 20 credits

11 ENGLISH

This course develops sound reading, writing, listening, speaking, viewing and presenting skills. Students are encouraged to read and appreciate a wide range of written texts, to communicate effectively through poetic and transactional writing and to speak confidently before an audience. An understanding of production techniques associated with selected media enables students to produce effective images of their own. Processing information, using a variety of library and non-book sources including technology, is an important aspect of this course. At this level, independent learning is encouraged while study and examination techniques are covered. An extension programme enables some student to gain further credits.

Internal Assessment: 17 Credits
External Assessment: 5 Credits

11 ALTERNATIVE ENGLISH (11 EAL)

This programme offers students who are developing their English skills to be supported by both the classroom teacher and by Literacy Support personnel. The workbook-based course develops reading, writing, listening, speaking, viewing and presenting skills. Students are encouraged to read and respond to a wide variety of written, visual and oral texts, to communicate effectively in writing and to participate confidently in class discussions while demonstrating a range of listening techniques. An understanding of production techniques associated with static and moving images is an important aspect of this course. Skills are also developed in using library and non-book sources, including technology, to process information. At this level, the ability to work well with others is important, as is the ability to work independently.

Internal Assessment: 20 credits

11 GEOGRAPHY

Areas of study in this course include Practical Skills, Extreme Natural Events, Geographic Issues, Research Skills and Global Studies. All areas have a New Zealand component as well as an overseas example. Students will be able to understand interactions and inter-relationships within natural and cultural environments as well as being able to write a detailed geographic report. Writing skills are transferable to many areas of the curriculum. Year 11 Geography arises from the Social Studies programme.

Internal Assessment: 15 Credits

External Assessment: 4 Credits

11 GRAPHICS

This course is designed to provide students with a variety of design and drawing experiences. It will develop an awareness and understanding of technology and its application to economic and environmental issues. The course consists of the following sections of work:

- Graphic Communication
- Environmental Design
- Technological Design
 - Media Design.

Internal Assessment 12 credits

External Assessment: 12 credits

11 HEALTH

This course studies a range of relevant Health issues using both Achievement Standards and Unit Standards. Topics covered include managing your Hauora/Wellbeing, Understanding Sexuality Issues, Exploring issues related to Drug and Alcohol use, Food and Nutrition and Practical First Aid. This course is theory based and doesn't include practical Physical Education lessons. The overall focus is to be able to make educated and healthy choices to keep you safe in the future.

Internal Assessment: 16 credits

11 HISTORY

History is about researching how people behave in tense situations. It is about conflict, drama, joy and discrimination. Historians ask themselves what was it like to be someone in another time and place.....

A Jew in Berlin, 1937

A Black American in Mississippi, 1963

A New Zealand soldier in Vietnam, 1967

Research tools will involve extensive use of ICT involving creating a powerpoint presentation. Further research uses written texts, film and guest speakers. Field trips will be taken. Year 11 history looks at issues in the last 100 years. By taking History, students will get an understanding of the present world and develop job skills such as collecting data, writing reports, research, organization and presentation of information. History helps students to adjust to our changing society by training in transferable skills for a variety of job applications.

Internal Assessment: 16 credits

External Assessment: 4 credits

11 HOME ECONOMICS

This course develops an awareness of the concept of Hauora (total wellbeing) and acknowledges the responsibility that students have for the health and physical wellbeing of themselves and others. Students will develop an understanding of the cultural significance and rituals associated with food and nutrition while participating in a wide variety of practical food related activities. During the course, knowledge and understanding of nutritional needs for the growth and wellbeing of the individual will develop and students will be able to select and prepare food that reflects health-enhancing attitudes.

Internal Assessment: 15 credits.

External Assessment: 5 credits

11 MATHEMATICS

NCEA Level 1

(Two courses are available, students are required to take mathematics)

This course follows level 5 and 6 of the Mathematics curriculum. Students will be offered a total of up to 7 achievement standards and two unit standards from within the 5 curriculum areas of Algebra, Number, Geometry, Statistics and Measurement. (3 of the achievement standards will be internally assessed throughout the year and up to 4 externally assessed in an end of year exam. Students need to be operating on Level 4A or higher at the end of Year 10 to enter this course.

There is a focus on applying mathematics to the real world, communicating mathematical ideas effectively and students are encouraged to develop a variety of approaches to problem solving.

Total credits available ranges from 19 - 20 credits

11 MATHEMATICS

Unit Standard Level 1 Maths

This course follows Levels 3 and 4 of the Mathematics curriculum and is aimed at those students working below Level 5 on leaving Year 10.

All assessments are internal with 24 credits available.

Passing this course (14 credits) allows a student to take N.C.E.A. Level 1 Mathematics.

11 PHYSICAL EDUCATION

This course examines Physical Education through five different Achievement Standards. It contains a balance of theory and practical activities, with the practical sessions applying the knowledge learned in class. Topics include Muscles and Bones, Skill Learning, Examining quality of movement using Video Analysis in Volleyball and using Adventure Based Learning to develop interpersonal skills. This course is a must if you are considering Physical Education in Year 12 and 13.

Internal Assessment: 20 credits

11 SCIENCE

Students will further their understanding of scientific knowledge and skills through relating their learning to everyday situations and carrying out practical investigations. The course will cover the following externally examined units: microbes and genetics, chemical reactions and properties, electricity, heat and motion.

One internally assessed practical investigation will be offered. Other internal assessments include 3 unit standard assessments.

Internal Assessment: 8 credits

External Assessment 15 credits

11 SPORT - ACTIVE

This course covers a range of Unit Standards and Achievement Standards. It is more practically based with the emphasis on being active, maintaining your fitness and working with others in group situations. The topics covered include experiencing a wide range of sports and activities, designing and implementing a personal fitness programme, using strategies to develop interpersonal skills in a group through Adventure Based Learning.

Internal Assessment: 15 credits

11 TEXT AND INFORMATION MANAGEMENT

This course is designed to enable students to effectively use software available on the computer. This will include developing a wide range of skills in Word Processing, Spreadsheets, Presentation and Desktop Publishing. Emphasis is placed on keyboarding and the ability to make choices relating to the use of software to solve problems. Students will be encouraged to plan and design documents that are creative and relevant for use in the community. As well, students will use the Internet as a resource to enhance their learning. The skills developed in this course are transferable to all other areas of the curriculum.

Internal Assessment: 12 credits

External Assessment 8 credits

11 TE REO MAAORI

At the end of this course students will be able to deliver a mihi at a basic level, incorporating formal structures, tauparapara etc.

The Course includes learning Te Reo through listening, speaking, reading, writing, viewing and presenting with practical components and appropriate games and activities. Students work co-operatively in groups and progress at their level on the Poutama.

This course involves learning the appropriate structures to describe student shome town / region / country; home, school and community routines; Enjoying time with family and friends; holidays; Geography and weather; People and things; their appearance and qualities. Māori music; Māori dance; Māori weaving and carving.

Students will participate in Ngaa Manu Koorero Speech Competitions as part of the internal assessment for the speaking component of this course.

Assessments that students will undertake during the year:

- Whakarongo test
- Oral test
- Mid-year exam (includes both Unit Standards)
- End-year exam (prep for external exams - Panui and Tuhituhi)
- NZQA external exam for Panui and Tuhituhi

Internal Assessment 18 credits

External Assessment 12 credits

11 VIDEO CONFERENCING ONLINE LEARNING WITH TARANET LEVEL 1, 2, & 3

Students are able to select a wide range of subjects available through TaraNet. TaraNet is a cluster of Taranaki rural secondary schools collaborating regionally and nationally with other schools, tertiary institutes and training providers to deliver distance learning opportunities for our senior students.

Benefits to students are the availability of subjects (in some case specialist or advanced level subjects) that are not available in their home schools and the flexibility to choose subjects that may be available in their home schools but can't be catered for because of timetabling clashes. With this method of distance learning, students have the support of a teacher with face to face contact weekly through video conferencing, interactions with other students in their 'virtual class' and ongoing interactions through web-based learning environments and email communications.

Enrolments are invited from Year 11, 12 and 13 students who are motivated, responsible and diligent learners.

An application process with an interview and the agreement of the Principal is required

SPEC - SOUTH PACIFIC EDUCATIONAL CERTIFICATE

A negotiated learning programme concentrating on the key competencies at levels 1, 2, 3.

For example, students are helped to become more skilled at:

- Identifying and making the most of their personal qualities
- Making decisions and solving problems
- Negotiating and working with others
- Developing essential skills in "real life" situations
- Planning and organising
- Setting personal targets and reviewing progress

Modules at Bronze/Silver level:

- Information Handling
- Home Management
- Health and Survival
- Wider World
- Māori Challenge
- The Community
- The Environment
- World of Work
- Expressive Arts
- Sport and Leisure
- Number Handling
- Technology
- Beliefs and Values

Each student develops key competencies through a range of challenges which they select themselves in negotiation with Mr Weir. They set their own targets and take responsibility for their own learning. The teacher acts as a guide who

helps with reviewing progress, looking for evidence of motivation, planning and achievement.

The scheme currently operates on over 100 schools and centres throughout New Zealand.

The Award Scheme operates at four levels: Bronze, Silver, Gold and Universities Award.

NATIONAL CERTIFICATE IN MECHANICAL ENGINEERING TECHNOLOGY

The National Certificate in Mechanical Engineering Technology is an introductory qualification that has been developed for secondary school students interested in mechanical engineering or wishing to pursue careers in maintenance and general engineering, marine and fabrication engineering or machining and toolmaking.

The qualification is made up of four level 1 unit standards intended to provide students with a well balanced, practical course that combines the following basic skills and knowledge:

- Workshop and Workplace Health and Safety
- Basic Arithmetic and Applied Geometry
- Workshop Processes, Techniques and Tools
- Metals and Plastic Materials Technology
- Fastening, Assembly and Welding Processes
- Simple Design and Construction Methods

Internal Assessment 24 Credits

16 additional credits from NCEA or other elective unit standards can be used to complete the 40 credits required for the National Certificate.

S.T.A.R. - SECONDARY TERTIARY ALIGNMENT RESOURCE

This funding allows us to purchase vocationally based programmes of learning from registered providers such as W.I.T.T., Taranaki Feats and Agriculture NZ as well as other training organisations, polytechnics and universities throughout the country. Course costs and transport costs are covered by the STAR grant which our school receives.

The decision on what courses will run is made on the basis of student interest. Students with strong interest and or skill in a particular employment related learning area are encouraged to discuss these with Mr Brown or your Dean. Opportunities may exist for individual students to attend one-off courses in areas of their personal interest.

Courses will be organized according to availability and interest and may run as they have during 2009 on the Whole Day Learning day.

Courses offered during 2009 included:

- Automotive
- Barista
- Agriculture
- Travel and Tourism
- Law

YEAR 12

**Year 12 can opt into
Year 11 Courses if not taking
a full Year 12 Course.**

To select a Level 2 subject, students will have to have successfully completed an appropriate Level 1 course.

Tracking Achievement:

It is crucial that students keep an up-to-date record of the standards they have completed. This allows students to know exactly how they are progressing towards gaining their National Certificate.

Yr 12 Courses Information 2010

Qualifications for the National Qualifications Framework N.C.E.A. Level 2

Each Achievement Standard has a credit rating. Most subjects have a total of 17 - 24 credits for a full year programme.

Students will be assessed in two different ways:

Internal Assessment -	assignments and activities carried out throughout the year
External Assessment -	for most subjects an exam sat at the end of the year or other external assessment of student work e.g. Art, Technology.

Each subject will give students a course outline at the beginning of next year giving information of the Standards, Credits available and the mix of internal and external assessment.

When students gain credits they will be recorded at three categories - achieved, merit and excellence - which reflects the quality of the work submitted and is measured against National Standards. N.C.E.A. Certificates can now be endorsed Merit and Excellence. Procedures exist for:

- ❖ Reassessment
- ❖ Compassionate consideration
- ❖ Late work
- ❖ Appeals
- ❖ Storage of student work
- ❖ Authenticity

Information about these issues are contained at the beginning of this booklet but details of these procedures will be given to students at the beginning of 2010.

12 AGRICULTURAL SCIENCE

This course is designed to promote a better understanding of agricultural and horticultural practices and systems. This will include a variety of topics, for example, a plant practical investigation, soils, animal production and reproduction, and animal behaviour. Some S.T.A.R. practical courses on using farm machinery and other farming practices such as calf rearing will also be offered to students. These will add to the number of credits available.

Internal Assessment:	8 Credits
External Assessment:	12 Credits

12 ART

Students will explore and generate ideas in the fields of both design and painting based on the study of an artists work. They will go on to produce a folio based on one of these fields which will consist of two boards. For this part of the course the student may select an artist of their own who will be used as a springboard for their ideas.

Internal Assessment	6 Credits
External Assessment	12 Credits

12 BIOLOGY

This course is designed to enable students to investigate different aspects of biological issues. Areas covered will include cell structure and processes, applied biology and biotechnology, genetics and evolution, and animal form and function.

Internal Assessment:	9 Credits
External Assessment:	9 Credits

12 CHEMISTRY

This course is designed to enable students to develop their understanding of the nature and behaviour of matter. This will include both a qualitative and quantitative analysis of chemical information. Emphasis is placed on both the theoretical and practical aspects of chemistry and the ability to understand the interactions between chemistry and technology. The scientific skills and attitudes developed in this course are transferable to other areas of the curriculum

Internal Assessment:	8 Credits
External Assessment:	11 Credits

CORRESPONDENCE COURSES

Full year Correspondence Courses are available in all Faculties.

Assessed Standards at Level 2.

Application process with an interview is required.

12 DESIGN TECHNOLOGY

This course consists of two project briefs that will require the student to explore unique solutions in hard materials. Students will be involved in helping determine the focus of the projects. Metalwork and woodwork skills will be explored. This class is a combination of Unit Standards and Achievement Standards and will require thorough documentation to achieve. Time will be split between the classroom for design and the workshop for construction.

Internal Assessment: 20 Credits
External Assessment 4 Credits

12 ENGLISH

This course develops maturity in reading and writing, listening, speaking, viewing and presenting skills. Students are encouraged to read and analyse a wide range of texts and to communicate effectively through poetic and transactional writing. Students are expected to complete a Reading Log as part of this course. Development of confidence and competence in public speaking is also a focus. Processing information competently, which includes gathering and analysing a range of resources, is a vital part of the learning process in this programme as is the ability to learn independently. An extension programme enables some students to gain further credits.

Internal Assessment: 16 Credits
External Assessment: 6 Credits

12 ALTERNATIVE ENGLISH (12 EAL)

This programme offers students the opportunity to gain both Level One credits and Level Two credits and will be tailored to individual student needs from within the unit standards offered. The course develops reading, writing, listening, speaking, viewing and presenting skills. Students are encouraged to read and analyse a wide variety of written and visual texts, to communicate effectively in transactional writing and to participate confidently in class discussions while demonstrating a range of listening techniques. An understanding of production techniques associated with static images is an important aspect of this course, enabling students to both read and produce static images. Skills are also developed in using library and non-book sources, including technology, to process information. At this level, the ability to work well with others is important, as is the ability to work independently.

Internal Assessment Level One: 20 credits
Internal Assessment Level Two: 24 credits

12 DRAMA

This drama based course consists of both practical and theory components. Students will explore and develop elements, devices, techniques, conventions and the structures of drama. Participation in an acting or technical role may include the Sheila Winn Shakespeare Festival, Stage Challenge or a school production.

Internal Assessment: 13 Credits
External Assessment: 5 Credits

12 GEOGRAPHY

This is a full year course for students wishing to gain Level 2 credits. The course includes studies of Natural Landscapes, Development Inequalities, Geographic Issues, as well as a major student enquiry. Skills include practical skills, writing detailed reports and using geographic equipment. Writing skills are transferable to all areas of the curriculum.

Internal Assessment: 15 Credits
External Assessment: 7 Credits

12 GRAPHICS

This course consists of four one-term design briefs sections of work. They cover Graphic Communication, Environmental Design, Technological Design, and Media Design.

Internal Assessment 12 Credits
External Assessment 9 Credits

12 HISTORY

Year 12 History looks at War and Peace in the 19th and 20th centuries with both global and New Zealand settings. Research using film and web based resources is developed into meaningful and sympathetic presentations. Local Māori leaders are investigated with links to today's society. Field trips to Taranaki historic sites are included and close links with Puke Ariki Museum (Library) will be made. The communication and research skills are transferable into the workplace. The course includes studies of the Gandhi and Indian Independence, 19th Century Māori Leadership, and the causes and effects of the Vietnam War.

Internal Assessment: 12 Credits
External Assessment 8 Credits

12 HOME ECONOMICS

In this course, students will learn to prepare and cook food in safe conditions and demonstrate knowledge of food safety when preparing meals for the family. Menu planning and budgeting will lead them to examining and preparing nutritious food cheaply. Links will be established between the School and the Polytechnic so that students can access the Hospitality Unit Standards and so gain a better knowledge of the industry and what is required to make a better career choice.

Internal Assessment:	14 Credits
Includes Hospitality	8 Credits
External Assessment:	4 Credits

INFORMATION TECHNOLOGY

This course provides a broad introduction to the dynamic world of computing and information technology. It includes the use and application of spreadsheets, word processing, databases, graphic imagery, digital video. All credits offered are internal and are Unit Standards.

Internal Assessment:	24 Credits
----------------------	------------

12 MATHEMATICS

(N.C.E.A. Level 2) Prerequisite of 14 Credits from the N.C.E.A. Level 1 Course

This course involves significant development of students' algebraic skills in manipulation of algebra expressions, together with the development of greater statistical literacy and the introduction of both the normal probability distribution and calculus. Introductory calculus studies the gradient of graphs and what this tells us about the rate at which a variable changes. It is a powerful tool, essential to areas of study such as physics and engineering. This course is a prerequisite for both Year 13 Mathematics courses and is recommended for students studying any Year 12 science subject or who are likely to go onto tertiary study in the fields of science, engineering, computing, commerce, economics or the social sciences such as psychology and geography

Total credits 24

12 MATHEMATICS

N.C.E.A. Level 1

This course is aimed at those students who followed the Alternate Unit standards Course in Year 11 and is the same as the Year 11 course with 24 – 25 credits available

12 OUTDOOR EDUCATION

This course is designed to develop skills in the Outdoors. It encourages respect and care for the environment and promotes teamwork and personal challenge. A range of topics are explored, such as Kayaking, Rock Climbing, Abseiling, Navigation,

Mountain Biking, Adventure Based Learning, Expedition Planning, Camping, Tramping and Mountaineering. In addition to the school based activities, students will be expected to participate in a course on advanced mountain skills delivered by T.O.P.E.C.

Internal Assessment:	25 Credits
----------------------	------------

12 PHYSICAL EDUCATION

This is an in depth study of Physical Education and is an excellent foundation for Year 13 Physical Education. Students will build on their skills gained in Year 11 Physical Education and will examine a range of topics including biomechanics, anatomy, physiology, skill learning, investigations of sporting events, leadership qualities in teams or groups, risk management and personal training programmes. Theory will be balanced out with practical applications in a range of sporting and leisure activities. This course is a prerequisite for Year 13 Physical Education.

Internal Assessment:	18 Credits
----------------------	------------

12 PHYSICS, ENGINEERING AND ELECTRONICS

The course will start with L2 trade unit standards dealing with Engineering calculations and Engineering mechanics. This is a good introduction to the physics mechanics unit standard and physics electrical systems achievement standards that will follow. Two practical electronics unit standard will make up the remainder of the course. Students will produce a printed circuit and package it into a working electronic product.

Internal Assessment	16 Credits
External Assessment	5 Credits

12 TE REO MAAORI

At the end of this course, students will be able to deliver a mihi at a competent level, incorporating formal structures, tauparapara etc.

The course includes learning Te Reo through listening, speaking, reading, writing, viewing and presenting with practical components and appropriate games and activities. Students work co-operatively in groups and progress at their level on the Poutama.

This course involves learning the appropriate structures to describe Places in New Zealand; Travelling around New Zealand; Famous New Zealand people; Entertainment (e.g. TV, music, movies, community events); and Health. Students will participate in Ngaa Manu Koorero Speech Competitions as part of the internal assessment for the speaking component of this course.

Assessments that students will undertake during the year;

- Whakarongo test
- Oral test
- Research and seminar
- Mid-year exam (includes US7262, US7258, US7266)
- End-year exam
- NZQA external exams for Paanui and Tuhituhi

Internal Assessment:	21 Credits
External Assessment:	12 Credits

12 VIDEO CONFERENCING ONLINE LEARNING WITH TARANET LEVEL 1, 2, & 3 VIDEO CONFERENCING

Students are able to select a wide range of subjects available through TaraNet. TaraNet is a cluster of Taranaki rural secondary schools collaborating regionally and nationally with other schools, tertiary institutes and training providers to deliver distance learning opportunities for our senior students.

Benefits to students are the availability of subjects (in some case specialist or advanced level subjects) that are not available in their home schools and the flexibility to choose subjects that may be available in their home schools but can't be catered for because of timetabling clashes. With this method of distance learning, students have the support of a teacher with face to face contact weekly through video conferencing, interactions with other students in their 'virtual class' and ongoing interactions through web-based learning environments and email communications.

Enrolments are invited from Year 11, 12 and 13 students who are motivated, responsible and diligent learners.

An application process with an interview and the agreement of the Principal is required

YEAR 12/13 YOUNG ENTERPRISE SCHEME (Y.E.S.)

This is a Business Studies Course which involves both hands-on entrepreneurial business creation skills as well as the opportunity to gain a Y.E.S. Business Certificate by completing the examination which allows the gaining of up to 30 credits.

This is an opportunity to realise uniqueness, develop strengths, work together as a team and possibly make money at the same time. See Mr Watt if you are interested.

Total credits 30

12/13 WEB DESIGN COURSE

Learn how to design and construct websites using Macromedia dreamweaver and coding with HTML. You will learn how to create and manipulate images using photoshop and fireworks. You will also have the opportunity to learn 2D animation using Flash to make web based animations. This course will run in conjunction with Multi Media School Natcoll which offers exciting, hands on activities. Year 12 or 13 students can opt for this year long course along with their Information Technology Course.

15 Credits Level 3

3 Credits Level 2

YEAR 12 ENGINEERING

The level 2 Engineering Course consists of standards that a first year mechanical engineering apprentice would complete. Standards to be assessed include Safety, handtools, measuring and marking out tools. Practical projects to be made include an oil filter wrench, air-engine oil sheet metal tool box.

S.T.A.R. – SECONDARY TERTIARY ALIGNMENT RESOURCE

This funding allows us to purchase vocationally based programmes of learning from registered providers such as W.I.T.T., Taranaki Feats and Agriculture NZ as well as other training organisations, polytechnics and universities throughout the country. Course costs and transport costs are covered by the STAR grant which our school receives.

The decision on what courses will run is made on the basis of student interest. Students with strong interest and or skill in a particular employment related learning area are encouraged to discuss these with Mr Brown or your Dean. Opportunities may exist for individual students to attend one-off courses in areas of their personal interest.

Courses will be organized according to availability and interest and may run as they have during 2009 on the Whole Day Learning day.

Courses offered during 2009 included:

- Automotive
- Barista
- Agriculture
- Travel and Tourism
- Law

SPEC – SOUTH PACIFIC EDUCATIONAL CERTIFICATE

Level 1 & 2 for students who wish to follow a practical negotiated learning programme concentrating on the key competencies.

A negotiated learning programme concentrating on the key competencies at levels 1, 2, 3.

For example, students are helped to become more skilled at:

- Identifying and making the most of their personal qualities
- Making decisions and solving problems
- Negotiating and working with others
- Developing essential skills in "real life" situations
- Planning and organising
- Setting personal targets and reviewing progress

Modules at Bronze/Silver level:

- Information Handling
- Home Management
- Health and Survival
- Wider World
- Māori Challenge
- The Community
- The Environment
- World of Work
- Expressive Arts
- Sport and Leisure
- Number Handling
- Technology
- Beliefs and Values

Each student develops key competencies through a range of challenges which they select themselves in negotiation with

GATEWAY

The Gateway Course allows Year 12 & 13 students to gain work experience in a career pathway of their choice where they have the opportunity to gain work place related qualifications. Students wishing to be considered for a Gateway place must discuss their plans with Mr Watt in the first instance.

During 2009 students have been involved in a range of jobs including hospitality, building and construction, engineering and the equine industry, retailing, automotive and agriculture. High levels of self management and a positive work ethic are essential for Gateway students.

The objective of Gateway is that by the end of the year students will have secured a job, gained an apprenticeship or have enrolled in further training.

YEAR 13

**Year 13 can choose
Year 11 or Year 12
Courses if not taking
a full Year 13 Course.**

To select a Level 3 subject, students will have to have successfully completed an appropriate Level 2 course.

Students intending to study at university must ensure that the course they select will meet the criteria of approved subjects for entrance to university.

Refer to University Entrance notes in the first part of this booklet.

Tracking Achievement:

It is crucial that students keep an up-to-date record of the standards they have completed. This allows students to know exactly how they are progressing towards gaining their National Certificate.

Yr 13 Courses Information 2010

Qualifications for the National Qualifications Framework N.C.E.A. Level 3

Each Standard has a credit rating. Most subjects have a total of 18 - 24 credits for a full year programme.

Students will be assessed in two different ways:

Internal Assessment - assignments and activities carried out throughout the year

External Assessment - for most subjects an exam sat at the end of the year or other external assessment of student work e.g. Art, Technology.

Each subject will give students a course outline at the beginning of next year giving information of the Standards, Credits available and the mix of internal and external assessment.

When students gain credits they will be recorded at three categories - achieved, merit and excellence - which reflects the quality of the work submitted and is measured against National Standards. N.C.E.A. Certificates can now be endorsed Merit and Excellence. Procedures exist for:

- ❖ Reassessment
- ❖ Compassionate consideration
- ❖ Late work
- ❖ Appeals
- ❖ Storage of student work
- ❖ Authenticity

Information about these issues are contained at the beginning of this booklet but details of these procedures will be given to students at the beginning of 2010.

Scholarship/UE

The Year 13 Dean will give information to students on University Entrance requirements and on Scholarship entries.

13 AGRICULTURAL SCIENCE

This course is designed to promote a better understanding of agricultural production systems. Areas studied will include current agricultural controversies, production processes for nationally significant products, e.g. lamb, wool, potatoes, impact of human activities and environmental issues, e.g. effluent disposal, global warming and riparian planting.

Internal Assessment: 9 Credits
External Assessment: 12 Credits

13 ART - DESIGN

Year 13 Art offers an exciting mix of practical and research based exploration of artistic ideas. In Year 13 design students will research a design tradition and discuss its links with recent work. They will also investigate ideas and methods in a drawing study. Finally they will produce original work in the form of a folio to demonstrate their knowledge of art making methods and ideas.

Internal Assessment: 10 Credits
External Assessment: 14 Credits

13 ART - PAINTING

Year 13 Art offers an exciting mix of practical and research based exploration of artistic ideas. In Year 13 painting students will research a painting tradition and discuss its links with recent art. They will also investigate ideas and methods in a drawing study. Finally they will produce original work in the form of a folio to demonstrate their knowledge of art making methods and ideas.

Internal Assessment: 10 Credits
External Assessment: 14 Credits

13 BIOLOGY

This course is designed to enable students to investigate different aspects of biological issues. This will include animal behaviour and plant responses in relation to environmental factors, genetics and gene expression, evolution of a variety of organisms, including humans, and contemporary techniques in molecular biology and biotechnology.

Internal Assessment Component: 6 Credits
External Assessment: 13 Credits

13 CHEMISTRY

This course is designed to enable students to develop their understanding of the nature and behaviour of matter. This will include both a qualitative and quantitative analysis of chemical information. Emphasis is placed on both the theoretical and practical aspects of chemistry and the ability to understand the interactions between chemistry and technology. This course will encourage students to raise questions and debate issues related to chemistry, society and the

environment. The scientific skills and attitudes developed in this course are transferable to other areas of the curriculum. The successful completion of this course opens up a raft of opportunities for students wishing to further their studies at tertiary level or entering the workplace directly.

Internal Assessment: 6 Credits
External Assessment: 13 Credits

CORRESPONDENCE COURSES

Full year Correspondence Courses are available in all Facilities.

Assessed Standards at Level 3.

An Application process with an interview and the agreement of the Principal is required.

13 DESIGN TECHNOLOGY

Students at Level 3 will find a need in the community for one of their projects. Projects will focus on application of metalwork and woodwork skills. This class is a combination of Unit Standards and Achievement Standards and will require thorough documentation to achieve. Time will be split between the classroom for design and the workshop for construction. Year 11 and 12 DST are not a requirement for this class, but are very helpful.

Internal Assessment 22 Credits

13 ENGLISH

This course develops sophistication in reading and writing, listening, speaking, viewing and presenting skills. Students are encouraged to read and respond critically to a wide range of texts and to communicate effectively through poetic and transactional writing. Development of confidence and competence in public speaking is also a focus. Processing information competently, which includes gathering and analysing a range of resources, is a vital part of the learning process in this programme as is the ability to learn independently.

Internal Assessment 17 Credits
External Assessment 9 Credits

13 DRAMA

In this drama based course students will explore and further develop skills in performance drama, elements, devices, techniques, conventions and structures.

This will also develop skills that will enable them to produce and perform in a variety of events including Sheila Winn, Stage Challenge and possibly a school production.

Internal Assessment: 16 Credits

13 GEOGRAPHY

This course covers advanced, practical and fieldwork skills while studying Natural and Cultural Processes. There is a strong emphasis on the natural processes of the Taranaki region while cultural processes consider industrialisation at a global scale.

Internal Assessment: 13 Credits
External Assessment: 8 Credits

13 GRAPHICS

This course consists of three design briefs per each of the following sections of work:

- Graphic Communication
- Environmental Design
- Technological Design
- Media Design

Internal Assessment: 18 Credits
External Assessment: 6 Credits

13 HISTORY

Year 13 History takes a look at New Zealand in the 19th century. It raises controversial questions of land ownership and government and takes a broader view of issues like immigration, gold, farming, women's rights and the development of national identity. Local resources are used intensively. Field trips to battlefields, and Puke Ariki are integrated in the course. Links are made with the study of 19th century Māori Leadership in Year 12. Students elevate their critical thinking to evaluate our modern world.

Internal Assessment 9 Credits
External Assessment 10 Credits

13 HOME ECONOMICS

Come and learn how to prepare food for special occasions with flair and creativity. Look at Nutritional Health issues in New Zealand and the media messages we all receive about food and our body shape.

Internal Assessment: 16 Credits
External Assessment: 5 Credits

INFORMATION TECHNOLOGY

Yr 13

This course focuses on practical and theoretical topics using computer technology. It includes the use and application of spreadsheets, word processing, databases, graphic imagery, website production. All credits offered are internal and are Unit Standards. Ideally students will have done Information Technology at Year 12. Capable students may pick this subject up at Year 13.

Internal Assessment: 24 Credits

13 MATHEMATICS WITH CALCULUS

Prerequisite Algebra and Graphs Level 2

This course develops and extends the understanding of Calculus, giving students the background skills to solve complex problems across a wide variety of situations. The course also continues the study of the connected topics in algebra, geometry and trigonometry. Maths with Calculus is recommended for any student considering further study in Mathematics or careers in engineering, physics and many other fields. Need Graphics Calculator.

Internal Assessment: 4 Credits
External Assessment: 20 Credits

There may be some Unit Standards offered (up to 14 credits)

13 MATHEMATICS WITH STATISTICS

Prerequisite of 14 credits from N.C.E.A. Level 2 Maths

This course introduces many new statistical and algebraic methods for modelling real world situations. The statistical component, which is about 50% of the course, includes the study of basic probability concepts; the application of probability distributions to model and make predictions; the use of sample statistics to make inferences about a population and the study of situations which produce time-series data. The algebraic and numerical component includes linear programming (finding the optimum solution given several linear constraints), solving simultaneous equations involving three variables, and modelling situations of change with exponential and power functions. The study of statistics is recommended for students likely to go on to tertiary study or a career in commerce, economics, biological sciences, research or any of the social sciences. Need Graphics Calculator . Prerequisite 14 Level 2 credits in Maths

Internal Assessment: 17 Credits

External Assessment: up to 15 Credits

13 PHYSICAL EDUCATION

Students will explore a range of physical activities and apply and build upon skills developed in Year 12 Physical Education. Topics include, planning for, and participating in a physical activity describing the effect on Hauora, analysing individual performance and developing an improvement programme in a chosen sport, and researching current issues in Physical Education.

Internal Assessment 18 Credits

13 PHYSICS

Students will gain an understanding of physics principles, concepts and models by relating the learning to practical everyday situations and devices and interpretation. The following topics will be taught and assessed externally by examinations, straight line and rotational motion, waves and instruments, AC and DC electricity and electromagnets. Two unit standards will be offered as internal assessments.

Internal Assessment: 10 Credits

External Assessment: 16 Credits

13 TE REO MAAORI

At the end of this course, students will be able to deliver a mihi at an advanced level, incorporating formal structures, tauparapara etc.

The course includes learning Te Reo through listening, speaking, reading, writing, viewing and presenting with practical components and appropriate games and activities. Students work co-operatively in groups and progress at their level on the Poutama.

This course involves learning the appropriate structures to describe Possible futures; Personal relationships; Health and wellbeing; Learning for living; The life continuum: gods, goddesses, human beings, and the

world around us; Entering and leaving life: ceremonies and ceremonial occasions; Whaikōrero. "The Treaty of Waitangi, Issues concerning Iwi Māori, Māori Spiritual Beliefs, Stories of our Tipuna, and the Development of Māori Performing Arts and Visual Arts".

Students will participate in Ngaa Manu Koorero Speech Competitions as part of the internal assessment for the speaking component of this course.

Assessments that students will undertake during the year:

- Whakarongo test
- Oral test
- Mid-year exam (includes US7259, US7263, US7267)
- End-year exam
- NZQA external exams for Panui and Tuhituhi

Internal Assessment: 21 Credits

External Assessment: 12 Credits

13 VIDEO CONFERENCING ONLINE LEARNING WITH TARANET LEVEL 1, 2, & 3 VIDEO CONFERENCING

Students are able to select a wide range of subjects available through TaraNet. TaraNet is a cluster of Taranaki rural secondary schools collaborating regionally and nationally with other schools, tertiary institutes and training providers to deliver distance learning opportunities for our senior students.

Benefits to students are the availability of subjects (in some case specialist or advanced level subjects) that are not available in their home schools and the flexibility to choose subjects that may be available in their home schools but can't be catered for because of timetabling clashes. With this method of distance learning, students have the support of a teacher with face to face contact weekly through video conferencing, interactions with other students in their 'virtual class' and ongoing interactions through web-based learning environments and email communications.

Enrolments are invited from Year 11, 12 and 13 students who are motivated, responsible and diligent learners.

An application process with an interview and the agreement of the Principal is required

12/13 WEB DESIGN COURSE

Learn how to design and construct websites using Macromedia dreamweaver and coding with HTML. You will learn how to create and manipulate images using photoshop and fireworks. You will also have the opportunity to learn 2D animation using Flash to make web based animations. This course will run in conjunction with Multi Media School Natcoll which offers exciting, hands on activities. Year 12 or 13 students can opt for this year long course along with their Information Technology Course.

15 Credits Level 3

3 Credits Level 2

S.T.A.R. - SECONDARY TERTIARY ALIGNMENT RESOURCE

This funding allows us to purchase vocationally based programmes of learning from registered providers such as W.I.T.T., Taranaki Feats and Agriculture NZ as well as other training organisations, polytechnics and universities throughout the country. Course costs and transport costs are covered by the STAR grant which our school receives.

The decision on what courses will run is made on the basis of student interest. Students with strong interest and or skill in a particular employment related learning area are encouraged to discuss these with Mr Brown or your Dean. Opportunities may exist for individual students to attend one-off courses in areas of their personal interest.

Courses will be organized according to availability and interest and may run as they have during 2009 on the Whole Day Learning day.

Courses offered during 2009 included:

- Automotive
- Barista
- Agriculture
- Travel and Tourism
- Law

GATEWAY

The Gateway Course allows Year 12 & 13 students to gain work experience in a career pathway of their choice where they have the opportunity to gain work place related qualifications. Students wishing to be considered for a Gateway place must discuss their plans with Mr Watt in the first instance.

During 2009 students have been involved in a range of jobs including hospitality, building and construction, engineering and the equine industry, retailing, automotive and agriculture. High levels of self management and a positive work ethic are essential for Gateway students.

The objective of Gateway is that by the end of the year students will have secured a job, gained an apprenticeship or have enrolled in further training.

