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August 2009

Dear Parents

This booklet has been prepared to give you information about Year 13, the subjects, their content, NQF qualifications offered through the school and advice on selecting course options.

Students will be notified of assessment schemes in subjects prior to the beginning of courses in 2009. Some assessments outlined in this booklet are subject to confirmation. Internal Achievement Standards will be completed in school time during the year. External Achievement Standards are assessed by three-hour examinations administered by NZQA at the end of the year.

There is a page at the back of this book to complete for the student's subject selection and for parents / caregivers to sign. A form is enclosed that will allow the school to update its database of student information if required.

**To make informed decisions for 2010, it is crucial that students actively seek out advice on career pathways. Careers Advisors, Deans and teachers can all be of help.**

Please read this booklet carefully and complete the database update form. Students will complete their subject selection forms on Thursday 20 August 2009 at school. This booklet **must be brought to school** when subject selection forms are completed.

If you have any queries regarding the Year 13 course please contact me at school.

Yours sincerely

P. JEFFREYS  
Year 13 Dean

**INFORMATION EVENING FOR PARENTS AND STUDENTS**

**School Library  
Tuesday 18 August 2009 at 7.00 PM**

## INFORMATION FOR YEAR 13 STUDENTS AND THEIR PARENTS

You need to make some decisions about what you will be doing next year.

- .. What qualifications do you need from school?
- .. What do you need to complete qualifications? See pages 9, 10 and 11 of booklet.
- .. Will you be leaving school at the end of this year?
- .. Does this depend on the number of credits you have gained?
- .. Will you be returning to school next year?
- .. How definite is this?
- .. What subjects will you take and at what level?
- .. Are you intending to gain sufficient credits from approved subjects so that you qualify for university?

The school also needs to make decisions for next year.

- .. How many students will return for a Year 13?
- .. What subjects do they want to take?
- .. Are enough staff available to cater for all students?

Discuss with your parents what you expect to do next year. Deans, Career Advisors and Teachers should be consulted.

You will be asked soon to say what you expect to do next year. This booklet gives some information that can help you choose subjects if you are returning to school next year.

Official re-enrolment and confirmation of Year 13 placements will be at the end of January 2010. This is when you confirm your return to school, and finalise the subjects you will study.

## IMPORTANT THINGS TO CONSIDER

1. In August you must make five choices of subjects for 2010.
  2. **Requirements for NCEA certificates at Levels 1, 2 and 3, University Entrance and other National Certificates are outlined on pages 9, 10 and 11 of this booklet.**
  3. Year 13 students may choose their 5 subjects. These can be from different levels if this is appropriate for them.
  5. The requirements to study a Year 13 subject are outlined in the information for each subject.
  6. Consider your career intentions when choosing subjects. Consult the Careers Advisors or University Liaison Officers for any obligatory subjects.
- **All students are expected to have satisfactory attendance and make satisfactory academic progress.**
  - **Some courses are offered subject to staffing and number of students required to make the class viable.**

## **All Students Must Take 5 Subjects**

The subjects you choose to take will depend on what you like best, on your achievement in Year 12, what you require to complete NCEA or National Certificates and on the pre-requisites for the job or further study you have in mind.

Do talk to the Careers Advisors if you are unsure what subjects are needed for the job(s) or further study you are interested in.

As well as academic qualifications that can be gained, the fifth year at school offers further opportunities for students to prepare for the vocation they have in mind, to accept responsibilities in the school, and to grow in maturity. There are opportunities for participation in and leadership of sports, cultural activities, the social life of the school, the school Houses and the School Council.

## **Record of Achievement**

All students should set their sights on gaining a good Record of Achievement when they leave school. This document summarises courses studied, profiles the student's skills, work habits and achievements, and comments on personal attributes and attendance.

## **YEAR 13 DRESS GUIDELINES**

Year 13 students may wear mufti which is appropriate and suitable for the school situation. Students are expected to set a good tone with all mufti clean and in a good state of repair. The dress standard will be approved by the Principal.

Jandals and thongs are excluded. Clothing and footwear needs to take account of safety standards required in activities in and around the school. Covered shoes are compulsory in the Technology Block.

Clothing worn is to be non-offensive to other people. Clothing with alcohol and smoking logos or any other of an offensive nature is not permitted. Female students are not to wear revealing tight tops or short shorts. Singlets and tank tops are not acceptable. Caps (worn forward) or beanies are only appropriate for wear outside the classroom.

**The guideline is - clothing should be appropriate to the school situation.**

**As for the rest of the school, hair must be clean, tidy, clear of the face, and above the collar. No hair product is permitted.**



## NZQA QUALIFICATIONS

**We offer a range of NZQA qualifications: NCEA Certificates at Levels 1, 2 and 3, University Entrance and Scholarship, as well as a number of National Certificates in specific subject areas.**

**For all the qualifications listed below, the credits can be gained from Unit Standards and/or Achievement Standards.**

### **NCEA Level 1 Certificate**

- 80 credits at Level 1 or higher
- Must include 8 literacy (English or Te Reo)  
8 numeracy (Mathematics)

### **NCEA Level 2 Certificate**

- 80 credits 60 at Level 2 or higher  
20 may be at Level 1

### **NCEA Level 3 Certificate**

- 80 credits 60 at Level 3 or higher  
20 may be at Level 2

All Level Certificates may be endorsed 'With Merit' or 'With Excellence'.

'With Merit' requires 50 credits at Merit (or Merit and Excellence) at the level of that certificate or higher.

'With Excellence' requires 50 credits at Excellence at the level of that certificate or higher.

### **University Entrance**

You must have achieved all of the following

- 14 credits at Level 3 or higher in each of two approved subjects
- 14 credits at Level 3 or higher in no more than two further approved subjects or domains
- 14 credits in Mathematics at Level 1 or higher
- 4 credits in Reading at Level 2 or higher
- 4 credits in Writing at Level 2 or higher

<u>Approved subjects offered</u>		
Accounting	English	Media Studies
Agriculture	French (Second Language)	Music Studies
Horticulture	Geography	Painting (Practical Art)
Biology	Graphics	Photography (Practical Art)
Chemistry	History	Physical Education
Classical Studies	History of Art	Physics
Computing	Japanese (Second Language)	Social Studies
Design (Practical Art)	Mathematics with Calculus	Te Reo Maori
Drama	Statistics and Modelling	Technology
Economics		
Further <u>Domains</u> offered: ESOL		

### **Scholarship**

- Assessed in an extra exam for each subject, other than those for which a portfolio is submitted
- Only one portfolio may be submitted in Practical Art or in Technology

<u>Scholarship subjects offered</u>		
Accounting	History	Music Studies
Art History	Japanese	Physical Education
Biology	Mathematics with Calculus	Physics
Chemistry	Media Studies	Statistics and Modelling
Drama	French	Te Reo Maori
Economics	Geography	Technology (one option)
English	Graphics	Visual Arts (one option)

### **Other Certificates Offered at Years 12 and 13**

**The Certificates below are offered within subjects. They are a brief outline only and more information is available from teachers in charge of the subject.**

#### **National Certificates Computing**

Year 12 - Students can complete 25 Level 2 credits that count towards the Level 2 National Certificate in Computing.

Year 13 – Students can complete:

- 15 Level 3 credits to complete the Level 2 National Certificate in Computing
- 20 Level 3 credits to complete the Level 3 National Certificate in Computing

## **National Certificate in Travel and Tourism (Intro. Skills) Level 2 Version 3**

54 credits over two years

<u>Compulsory</u>	21 credits from Year 12 Tourism
Plus	19 credits from Year 13 Tourism
Plus	6 credits from English oral or written language Level 2
Plus	8 credits from Mathematics Level 1

## **Certificate of Achievement Cookery Schools 1 (Level 1)**

15 compulsory Level 1 credits in cookery.

## **Level 2 Certificate of Achievement in Cookery - Schools 2**

10 compulsory Level 2 credits in cookery.

## **Level 2 Certificate of Achievement in Cookery – Schools 4**

8 compulsory Level 2 credits in cookery.

## **National Certificate in Elementary Construction Skills**

- 40 Level 2 credits for Entry Level
- 78 Level 1-3 credits for Advanced Level

**NOTE:**

We will try to fulfil the wishes of parents and students in selecting courses, but the school reserves the right to limit or modify classes according to:

- The ability and needs of the student.
- Available staffing.
- Available facilities.

Once a student's course has been settled it may not be changed without the approval of the Principal.

Code For Year 12 and Year 13 Subjects

**NC National Certificate**

**\* Approved subject for scholarship examination**

**S Semester course**

## ACCOUNTING

ACC

### Entry Requirements

Previous study at Year 11 or 12 assists at this level. If no previous study, permission of the teacher in charge of the subject is required.

### Subject Matter

For the purposes of the examination, five areas are concentrated on:

- the conceptual basis of accounting
- partnerships
- companies
- analysis and interpretation
- decision making
- management

### Types of Tasks

Predominantly case studies and use of texts are the methods by which the subject matter is addressed, assisted by discussion, research and teacher notes.

### Assessment

Is by Level 3 Achievement Standards: one internal assessment worth five credits and by a three hour external examination which is worth 19 credits.

Unit Standards offered:

- Processing for Partnerships (2 credits)
- Processing for Companies (2 credits)

### Learning Outcomes

This course aims to build on the Year 12 outcomes and to develop a student's ability to:

- critically examine and discuss accounting knowledge.
- analyse and evaluate accounting systems.
- apply accounting principles and processes to the needs of management.

This will equip students to enter the business work force in an accounting capacity or further their studies at a tertiary institution.

### Fees

\$6.00

## AGRICULTURE AND HORTICULTURE

AGR

### Entry Requirements

Twelve credits or more in Level 2 Agriculture, Horticulture or Economics, or at the discretion of the curriculum leader.

### Subject Matter

The Level 3 course is very different from the Level 1 and 2 courses. It has significant Economics and Marketing emphasis and investigates how New Zealand primary producers meet the demanding requirements for their products around the world markets. Factors affecting supply and demand and their impact on production in New Zealand is a major component. This is covered by four Level 3 Achievement Standards and a further Achievement Standard investigates a significant environmental primary production issue.

### Types of Tasks

Students will study two significant agricultural or horticultural products in depth to illustrate the above ideas. Two internally assessed major projects are required in this subject.

Skills developed in this course include those required for decision making, carrying out investigations and research, and communicating through written presentations.

### Assessment

Five Level 3 Achievement Standards totalling 24 credits.

### Fees

\$10.00

## **AUTOMOTIVE ENGINEERING**

**12AUT**

This course is a Year 12 course open to Year 13 students who have not done 12 Automotive. It offers part of the National Certificate for entry into the automotive trades and is suitable for those considering automotive engineering and farming careers.

### Entry requirements

8 Level 1 Numeracy credits

8 Level 1 Literacy credits

### Assessment

9 Unit Standards - 26 credits at Level 2

These units are internally assessed and moderated by Mara Marketing on behalf of the Motor Industry (MITO).

### Providers

Feilding High School and Mara Marketing (Courtesy Ford Palmerston North).

### Learning outcomes

This course offers the same programme as the Year 12 course. It develops student skills in the use of hand and machine tools and related automotive knowledge that will provide entry into a range of automotive engineering associated apprentice and career programmes.

### Fees

This is a STAR funded course.

## **BIOLOGY**

## **BIO**

### Entry Requirements

A minimum of 14 external Achievement Standard credits in a Level 2 Science (including Biology Achievement Standard 90459 - Genetics), or by arrangement with the Head of Biology.

A minimum of 12 credits in Level 2 English is highly recommended. Exceptions may be made at the discretion of the teacher in charge of Biology.

### Subject Matter

- Genetics - The inheritance of characteristics.
- Relationships between organisms and environment - the strategies animals and plants use to survive.
- Patterns of evolution.
- The biological and cultural evolution of human species.
- Current issues in biology.
- Practical Work - Students select and study an animal or plant, and design and carry out their own research experiment.

### Types of Tasks

- Designing and carrying out original experiments with plants and animals.
- Gathering, processing and analysing data from experiments.
- Researching information.
- Problem solving.

### Assessment

Assessment is by Level 3 Achievement Standards in Biology – four external standards and two internal standards.

A total of 21 credits is offered.

### Fees

\$10.00

Students are expected to pay approximately \$26.00 to purchase a write-on course manual workbook.

## **BUILDING**

## **BUI**

### Entry Requirements

Open entry with the approval of the curriculum leader.

This programme is run through the Building and Construction Industry Training Organisation (BCITO) and caters for students who are interested in Trade Training programmes.

### Types of Tasks

All work is Unit Standards based and requires students to complete all elements set down in each unit of work. Both practical and theory are required in most units of work.

First Aid and a Site Safe course are to be completed.

### Assessment

All work is internally assessed and moderated by the ITO provider.

Work involves both practical and written Unit Standards at Level 3. Work undertaken in this programme leads to the National Certificate in Elementary Construction Skills.

20 Level 3 credits offered.

2 Level 2 credits also offered (First Aid)

### Learning Outcomes

This course develops student skills in the use of hand tools and machines with direct application to set project work. Safety and time management skills are essential along with independent work habits.

This course is STAR funded.

## CALCULUS

## CAL

### Entry Requirements

At least 12 credits from Level 2 Mathematics Achievement Standards. These must include Algebra 90284 (2.1) and Calculus 90286 (2.3), or by negotiation with the Mathematics Faculty Leader.

### Subject Matter

This course prepares students for further study in mathematics, the physical sciences, engineering and other areas where mathematics is used for solving problems.

### Types of Tasks

The emphasis is on establishing a solid foundation of more advanced algebraic, geometrical and calculus skills and being able to apply them to solve problems.

### Assessment

Assessment is by Level 3 Calculus Achievement Standards.

Internal – 4 credits

External – 20 credits

### Learning Outcomes

Students become competent at advanced mathematics.

This subject is often studied in conjunction with Statistics and Modelling and is a recommended pre-requisite for a wide range of university courses.

Students must have a graphics calculator available at all times.

## CHEMISTRY

## CHE

### Entry Requirement

Students must have achieved two externally assessed and two internally assessed Level 2 Standards in Chemistry.

### Subject Matter

- Determining the concentration of an oxidant or reductant by titration
- Describing oxidation-reduction processes
- Describing selected atomic, molecular and ionic properties
- Thermochemistry
- Describing the properties and reactions of organic compounds containing selected functional groups
- Describing aqueous solutions using equilibrium principles

### Types of Tasks

- Designing and performing experiments confidently and safely
- Chemical analysis using a variety of experimental methods, reporting findings and discussing the validity of these analyses.
- Learning chemistry skills and techniques across a variety of contexts
- Problem solving – explaining observed phenomena.

### Assessment

Assessment is by Level 3 Achievement Standards in Chemistry – four external and one internal standard. Level 3 Unit Standards may be offered.

A minimum of 20 credits will be offered.

### Fees

\$10.00

## Entry Requirements

Students must have achieved US2780 and US2781 plus two other Computing Level 2 Unit Standards.

Restriction: Students cannot enrol in both Computer Science and Computer Applications.

## Subject Matter

Office Software

Ergonomic Basics

Use of graphics in documents

Layout Principles

Magazine Production

## Types of Tasks

Practical assignments in the main Office programmes of word processing, spreadsheets, desktop publishing, databases and presentation.

## Assessment

This is the second year of a two-year course and offers internally assessed Standards.

With 25 Level 2 credits from 12 CAP plus 15 Level 3 credits you can apply for the National Certificate in Computing Level 2; or plus 20 Level 3 credits you can apply for the National Certificate in Computing Level 3. All credits also contribute to Level 3 NCEA.

## Learning Outcomes

This course enables students to develop:

- Strong skills in the core Office software.
- The application of the ergonomic requirements for computer use.
- The application of good layout principles for office documentation.
- Understanding and ability in magazine layout, including document and administration.
- Refine communication and information skills.
- Evaluate information sources.
- Further develop design principles.
- Demonstrate an ability to critically analyse the design process.
- Develop advanced skills in the use of software applications.
- Transfer and apply knowledge and skills to new technologies.

## Entry Requirements

Students must have passed US2780 and US2781 plus two other Computing Level 2 Unit Standards.

Restriction: Students cannot enrol in both Computer Science and Computer Applications.

## Subject Matter

- Assembling hardware with safe working habits
- Building networks (both hardware and software)
- Robotics
- Advanced web pages including ASP, PHP and Java
- Fully featured web sites to specification
- Logic systems

## Types of Tasks

Practical based tasks on computer configurations and connections to network. Planning designing, constructing and configuring networks and computers to conform to specifications. Researching and completing assignments to evaluate students understanding of computer technology. Web design to customer requirements with interactive elements.

## Assessment

This is the second year of a two-year course and offers internally assessed Standards.

With 25 Level 2 credits from 12 CAP plus 15 Level 3 credits you can apply for the National Certificate in Computing Level 2; or plus 20 Level 3 credits you can apply for the National Certificate in Computing Level 3. All credits also contribute to Level 3 NCEA.

## Learning Outcomes

This course enables students to develop:

- High ability in setting up and trouble shooting computer networks.
- Ability in the use of multimedia web elements.
- Ability in creating web sites.
- An understanding of computer logic systems.

This course is preparation for tertiary study in computing fields.

## **CREATIVE CATERING (Full Year Course)**

**CRC**

### **Entry Requirements**

Open entry to Year 13 students only.

### **Subject Matter**

- Prepare and serve food for special occasions
- Preparation of menus and food plans
- Garnishing
- Meal presentation
- Food choices and lifestyles
- Food safety
- Food for specific nutritional needs

### **Types of Tasks**

- Practical cooking tasks
- Surveys
- Independent research and assignments
- Catering for large groups

### **Assessment**

Level 3 internally assessed Standards with 21 available credits.

### **Fees**

\$40.00

## **DRAMA**

## **DRA**

### Entry Requirements

Any two Level 2 Drama Achievement Standards, or by consultation with the HOD.

A predominantly practical course that extends on skills of characterisation, appreciation and performance experience covered in Level 2 Drama.

A detailed portfolio is kept by students to support the practical work. This portfolio is essential to enable students to complete the external achievement standards successfully.

### Subject Matter

Physical Theatre

Script Performance

Reviews

Playwrights / History of Theatre

Script Writing

### Types of Tasks

Practical classes / Workshops

Study and performance of scripts

Keeping a portfolio

Research assignments

Performances

### Assessment

Assessment is by Level 3 Achievement Standards and / or Unit Standards.

A total of 20 credits is offered – 16 compulsory internal credits, four optional external credits.

### Learning Outcomes

Extensive production experience.

Script writing experience.

Further growth in presentation skills, self-confidence and team work.

A knowledge of the history of Theatre.

## ECONOMICS

## ECO

### Entry Requirements

Twelve credits at Level 2 Economics. If entering Economics at this level, 12 credits in Level 2 English.

### Subject Matter

The course is divided into three sections:

- Microeconomics and the Market System - examines how the market system sets prices and the competitive nature between firms in the market place.
- Government involvement in the market - examines the role of the Government in the provision of goods and services.
- Macroeconomics and Government Policy - examines the behaviour of the national economy as a whole.

### Types of Tasks

Analyse and interpret economic information.

Draw conclusions from, and make predictions based on, this analysis.

### Assessment

Five of the credits are from internally assessed Level 3 Achievement Standards based on one assignment, and 19 are from Level 3 Achievement Standards assessed in the external three hour examination. Total – 24 credits.

### Learning Outcomes

Students will attain a level of economic literacy and understanding which will allow them to develop an interest in economic issues. They will learn reasoning and analytical techniques which will allow them to interpret economic data and arguments.

### Fees

\$5.00 photocopying fee applies.

The course includes a class trip to Wellington to visit Treasury, the Reserve Bank and Parliament. This will involve a cost of about \$25.00.

## **ENGINEERING**

**TEN**

### Entry Requirements

Students to have achieved a minimum of 16 Level 2 credits from 12 Engineering. Level 2 Maths credits an advantage.

### Types of Tasks

Using engineering processes, design and make approved projects e.g. water-cooled 38cc mini bike.

### Assessment

Industry Unit Standards internally assessed (8 credits at Level 2 and 15 credits at Level 3) and externally moderated by Competenz on behalf of the Tools for Work programme.

### Learning Outcomes

This course develops student skills in the use of hand and machine tools with direct application to specific projects recognised by Competenz that will provide entry for a range of Engineering associated apprentice and career programmes.

### Fees

\$520.00 – This is the kit price to make the mini bike. This price could be subject to change due to the NZ dollar exchange rate. A sixty percent deposit must be paid before the end of Term 4 2009.

**Entry Requirements**

This is a full Level 3 English programme and focuses on preparing students for university level study. Students must have achieved a minimum of 13 Level 2 English credits to enter. Those credits achieved must include 90380 (2.6), 12905 (reading log), and one of 90377 (2.3), 90378 (2.4), 90379 (2.5).

**Subject Matter**

This programme is for students with an interest in literature and language study. It involves in-depth studies of novels, drama, poetry, short stories and film. It includes a compulsory Shakespeare component.

**Types of Tasks**

Students will:

- Respond critically to written, oral and visual texts
- Evaluate texts and develop detailed response essays
- Participate in oral and visual presentations
- Write in a range of styles

**Assessment**

By external examination (9 credits) and internally assessed Level 3 Achievement Standards (12 credits).

This course fulfils the reading and writing entry requirements for university entrance as outlined on page 7 of this booklet.

Students will need to purchase a course outline and assessment activity booklet from the stationery shop at the beginning of the year.

## ENGLISH B

## ENB

### Entry Requirements

A minimum of 12 credits from the 12 ENB course or 6 credits from the 12 ENA course.

### Subject Matter

Students will read a range of poetic texts and view a number of visual texts. Transactional writing will also be covered.

### Types of Tasks

Students will:

- Read and evaluate a range of poetic texts
- Write a range of transactional pieces
- Study both moving and static images
- Create static images

### Assessment

This course offers students the chance to gain 19 Level 3 English credits through five Unit Standards. All work in this class is assessed internally.

The course offers the reading and writing credits required for University Entrance.

*An ENC class may be created for those students who find English demanding and students will be directed into this class.*

Open entry.

The aim of the course is to develop students' understanding and awareness of the earth's resources, and the impact of people's activities and decisions on the health of the environment.

### Subject Matter

- Burgers, Blockbusters and blue Jeans – Globalisation
- Eco-challenges – Sustainable Communities
- Raging Planet – Communities in Crisis – Hurricane Katrina, Asian Tsunami
- Living in a Boiler - Climate

### Assessment

#### Internally Assessed

- AS 3.3 Conduct an advanced social studies inquiry independently
- AS 3.4 Explain a values system
- AS 3.5 Examine social action in relation to a social issue

#### Externally Assessed (for students who wish to do it)

- AS 3.2 Explain people's responses to challenges facing society

Total of up to 19 credits available.

## **FOOD AND NUTRITION**

**FNU**

### Entry Requirements

Ten Level 2 credits in Home Economics (Nutrition).

or

By negotiation with the Teacher in Charge.

Ability to work independently is an advantage.

### Subject Matter

- Nutritional concern
- Nutrient analysis of referenced food intake
- New Zealand health issues
- Analyse influences and effects of media messages on food choice
- Relationship between food choices, lifestyle and well-being

### Types of Tasks

- Individual assignments (research, investigation).
- Planning and organisation of activities.
- Group work.

### Assessment

Level 3 Standards.

A total of 19 credits is offered.

## FOUNDATION STATISTICS

FST

### Entry Requirements

At least 10 credits from Level 2 Mathematics Achievement Standards. These must include Probability 90289 (2.6) or Sampling 90288 (2.5), or by negotiation with the Mathematics Faculty Leader.

### Subject Matter

This course provides both mathematical modelling and statistical skills to students with an interest in any area where the analysis of data is important. Such areas include biological and social sciences, forestry, economics, business and marketing, health etc. The focus of this course is to reach the Achieve level of the Achievement Standards.

### Types of Tasks

The emphasis is on applying skills to problems arising in real and simulated situations.

### Assessment

Assessment is by Level 3 statistics internal Achievement Standards and Unit Standards.

External Achievement Standards	11 credits
Internal Achievement Standards	9 credits
Internal Unit Standards	8 credits

### Learning Outcomes

Students become confident at selecting and using appropriate statistical techniques to solve straightforward problems.

This subject is a recommended pre-requisite for a wide range of university courses.

Students must have a graphics calculator.

## FRENCH

## **FRE**

### Entry Requirements

Fifteen credits gained from Level 2 French Achievement Standards. (A minimum of three oral credits and three writing credits.)

or

By consultation with the teacher in charge.

### Subject Matter

- Grammar and language studies.
- Literature studies - to be chosen from short story, poetry, song, novel, drama, film.
- Study of contemporary topics in French – e.g. creative arts and media, social cohesion in France, our changing world, environmental issues, getting a job.
- A region of France

### Types of Tasks

- Creating static displays.
- Comprehension - aural and written.
- Making notes in French and English.
- Composition of paragraphs and essays.
- Giving talks and participating in discussions and debates.
- Research Tasks.
- Completing computer based activities.

### Assessment

Assessment will be by Level 3 Achievement Standards.

A total of 24 credits is offered.

### Learning Outcomes

Students will be trained to focus on their strengths and improve their weaknesses with the French language. Students will be prepared to undertake a full French programme at university. However students in Year 13 French may choose to complete a selection of Level 2 and Level 3 Achievement Standards.

### Fee

\$5.00

## GEOGRAPHY

## GEO

### Entry Requirements

Students are expected to have either achieved 18 credits in Level 2 Geography, or 18 credits in Level 2 English.

### Subject Matter

- The study of a geographic environment in New Zealand using interacting natural processes (4 credits).
- The study of a cultural process within New Zealand and overseas (4 credits).
- Geographic skills (4 credits).
- Research field work (3 credits).
- The role of geography in planning and decision making (3 credits).
- Analyse a geographic issue (3 credits).
- Analyse a current global (3 credits).

### Types of Tasks

- Field work
- Map work
- Interpreting resources
- Processing information

### Assessment

Level 3 Achievement Standards.

Internal assessments – 12 credits

External assessments – 12 credits

Students will need to purchase an assessment activity booklet from the stationery shop at the beginning of the year.

Note:

There is a field trip to Tongariro National Park which students must do as part of this course.

Estimated cost - \$175.00.

### Fee

A photocopying fee of \$5.00 also applies.

## **GRAPHICS**

## **GRA**

### Entry requirements

12 credits from Level 2 Graphics. Good independent work habits are essential.

### Types of tasks

This course builds on the foundations of Year 11 and Year 12 Graphics and requires more in-depth work and quality drawing and presentation skills in design, building, engineering, media and technical illustration.

The course is design brief based and will require students to complete three major projects.

### Assessment

3 internally assessed Achievement Standards- 15 Credits at Level 3

1 externally assessed Achievement Standard - 5 credits at Level 3.

Scholarship evidence is collected from two of the three internal Achievement Standards.

### Learning Outcomes

This programme promotes the development of enquiry and discrimination skills. It also encourages initiative, ingenuity and resourcefulness through activities based on real situations in graphical communication for specific stakeholders.

These communication skills can be then used in design courses at polytechnics and other tertiary institutions.

### Fees

\$25.00

## HISTORY

## HIS

### Entry Requirements

Sixteen credits in Level 2 History and / or Level 2 English.

### Subject Matter

A broad survey of New Zealand in the Nineteenth Century, Maori / Pakeha relations, economic and political change, society and attitudes.

A special studies component involving a research inquiry into a significant historical byth.

### Types of Tasks

- Defining and analysing worthwhile historical problems and relationships.
- Using a variety of visual and written resources.
- Weighing evidence and recognising bias and propaganda.
- Evaluating differing historical interpretations.
- Presenting a convincing case on the basis of supporting evidence and sound argument.

### Assessment

Assessment will be by Level 3 History Achievement Standards (19 credits). Nine credits are gained by internal assessment and 10 are assessed externally. Total – 19 credits.

### Learning Outcomes

Skills of independent historical enquiry and research.

A critical approach to historical sources.

Understanding of change and aspects of our heritage over an extended time period.

### Fee

\$10.00 photocopying.

There will also be two trips during the year. One trip will be to the Tawhiti Museum in Hawera in Term 1. The other trip will be to attend the History Lectures Day as Massey University in Term 3. There will be a small charge to cover costs for both of these trips.

## HOSPITALITY AND CATERING

12HOS

This course is designed for students who wish to gain basic knowledge and skills working with food in the hospitality / catering industry. This is a Year 12 course open to Year 13 students.

### Entry Requirement

Previous study in Home Economics or Food Technology is desirable but not essential.

### Subject Matter

- Food Handling – Hygiene and Safety
- Terminology Used in Catering
- Catering Equipment
- Menu Planning
- Methods of Cooking
- Food Preparation, Cooking and Presentation

### Types of Tasks

- Assignments (based on practical activities)
- Practical activities

### Assessment

Students will have the opportunity to gain credit in Level 2 Unit Standards in accordance with the Hospitality Standards Institute, that could be credited towards a Level 2 Certificate in Food and Beverage as well as the NCEA Level 2 Certificate.

A total of 22 Level 2 credits is offered.

### Learning Outcomes

- To work independently.
- To gain knowledge of terminology and equipment used in catering.
- To develop knowledge and capability in the preparation, cooking and presentation of a range of foods in the hospitality / catering industry.
- To gain qualifications that could lead to employment opportunities or a National Certificate.

## JAPANESE

## **JPN**

The Year 13 course continues on from studies started in Year 12. Four topics will be covered during the year completing the eight required. These topics will further consolidate grammar, Kanji and vocabulary learned earlier as well as introducing new material in preparation for the externally assessed exams at Level 3.

The key skills of reading, writing, listening and oral communication will be further developed as a means of competent and sustained communication.

### Entry Requirements

Twelve credits from Level 2 Japanese, or by negotiation with the Teacher In Charge of Japanese.

### Topics

- Land and People (Japan / New Zealand)
- Communication and Media
- Japan at Work
- Travel and Tourism

### Types of Tasks

- Translation between English and Japanese
- Comprehension - aural and written
- Composition of paragraphs and essays
- Speeches, giving talks and participating in discussions.

### Assessment

Two internal Level 3 Achievement Standards (6 credits) and three external Level 3 Achievement Standards (15 credits). Total of 21 credits.

### Fee

\$5.00

## **MATHEMATICS B**

## **MAB**

This course provides students with the opportunity to develop their skills in using the more practical aspects of Mathematics. It focuses on using Mathematics in real life situations and allowing students to succeed in Mathematics. Students will develop networking skills and the ability to apply probability and statistical skills.

The course is run on a topic basis.

### **Entry Requirement**

Students must have 12 Level 2 Mathematics credits, or by negotiation with the Faculty Leader.

### **Assessment**

This course is entirely internally assessed with Level 2 and 3 Unit Standards and Achievement Standards (total 2 Level 2 credits, 19 Level 3 credits).

You should choose this course if you want to:

- Experience success in using mathematical ideas
- Gain further skills in Mathematics
- Become confident to apply Mathematics in everyday situations

Students must have a graphics calculator available at all times.

## MEDIA STUDIES

**MED**

### Entry Requirements

Achieved 12 English Level 2 credits, including Achievement Standard 2.6 (Reading Skills) and two of either 90278, 90279 or 90280 (preferably 90280).

or

Achieved 12 Media Studies Level 2 credits, including Achievement Standard 2.5 and 2.6.

### Subject Matter

The study of newspapers, television and film.

### Types of Tasks

- Prepare and produce a media product using appropriate technology such as a short documentary / film.
- Explore the language of a medium – film.
- Investigate a media issue – censorship.
- Understand how a specific media industry operates – newspapers.

### Assessment

Students will have the opportunity to pass six Level 3 Achievement Standards with a total of 24 credits.

### Learning Outcomes

At the completion of this course each student will have increased their range of literacy skills to encompass visual and printed texts and have a practical involvement in planning and producing a media product.

Media Studies is a subject included in a range of university degrees: Bachelor of Arts, Business Studies, Accountancy and Communication or practical courses preparing students for related industries.

### Fee

- \$30.00
- Class trip to Wellington. Cost approximately \$35.00.

This is a Scholarship subject.

## MUSIC

## MUS

Students may select Standards to have individualised programmes according to their strengths.

### Entry Requirements

Students must have achieved two Achievement Standards in Level 2 Music, and

To enter a Level 3 Achievement Standard a student must have achieved the Level 2 Achievement Standard in that area e.g. to enter Level 3 Composition Achievement Standard a student must have achieved the Level 2 Composition Achievement Standard

and

A course at Level 3 requires approval from the Curriculum Leader.

### Subject Matter

#### Practical Music – Internal

- Compose a portfolio of music
- Perform extended pieces as a feature soloist
- Perform as a member of a group
- Performance on a second instrument

#### Practical Music – External

- Aural Skills

#### Music Studies – Internal

- Research on music topic
- Arrange music

#### Music Studies – External

- Compare and contrast music works
- Harmonic and Tonal Procedures

### Assessment

Assessment will be by Level 3 Achievement Standards and / or Unit Standards.

Credits offered:

Students will be entered in Standards according to their strengths, having no more than 22 credits. One external must be included.

### Fees

\$80.00 to hire a school instrument.

\$100.00 for instrumental or voice tuition through the school music lessons.

## PHYSICS

## PHY

### Entry Requirements

Students must have achieved any two external Achievement Standards in Physics (i.e. 90254, 90255 and 90257), and Mathematics 90284.

### Subject Matter

- Mechanics – centre of mass, rotational motion, Newton's Law of Universal Gravitation, satellites and simple harmonic motion.
- Electricity and Electromagnetism - analysis of complex circuits, capacitors and inductors, and AC circuits.
- Waves – diffraction, interference, standing waves and the Doppler Effect.
- Modern Physics – Bohr model of the atom, duality of light, nuclear fission and fusion and the Photoelectric Effect.

### Types of Tasks

Course work will involve:

- using a variety of equipment to investigate physical phenomena.
- observing physical phenomena and develop an understanding of physics concepts and principles.
- problem solving and discussion of the principles.
- recording and analysing data to derive relationships, and assessing the validity of the data.

### Assessment

Assessment will be Level 3 Physics Achievement Standards (16 credits) and Unit Standards (7 credits).

### Learning Outcomes

At the end of this course students should be able to:

- Demonstrate an understanding of basic facts, concepts and principles related to the physical world and how physical theories and models have been developed.
- Demonstrate a range of investigating skills i.e. carrying out investigations, gathering/processing data and communicating information.

### Fees

\$10.00

## **PRACTICAL ART (Design)**

**ARD**

### Entry Requirements

Students must have achieved Achievement Standards 2.3 and 2.1 in Year 12 Art.

### Subject Matter

A practical study of current procedures and practices which underlie the making of design which involves formal study and has a focus on all contemporary subject matter.

### Types of Tasks

Making original works using a variety of methods and materials.

### Assessment

Level 3 Achievement Standards – 2 internal Achievement Standards (10 credits) and a two-panel submission which is externally assessed (14 credits).

### Learning Outcomes

To develop an understanding of processes and procedures in contemporary design.

### Fees

\$50.00

## **PRACTICAL ART (Painting)**

**ARP**

### Entry Requirements

Students must have achieved Achievement Standards 2.2 and 2.3 in Year 12 Art.

### Subject Matter

Subject matter is determined by the individual after formal enquiry and study.

### Types of Tasks

Making original works using a variety of methods and materials.

### Assessment

Level 3 Achievement Standards – 2 internal Achievement Standards (10 credits) and a three panel submission which is externally assessed (14 credits).

### Learning Outcomes

A knowledge of painting as an expressive medium and force in art.

### Fees

\$50.00

## **PRACTICAL ART (Photography)**

**PHO**

### Entry Requirements

Students must have achieved Achievement Standards 2.2 and 2.3 in Year 12 Photography.

### Subject Matter

Subject matter is determined by the individual after formal enquiry and study.

### Types of Tasks

Practical work involves camera, film and printing technique. The development of photography as an artistic medium is essentially the task with which students are involved.

### Assessment

Level 3 Achievement Standards – 2 internally assessed Achievement Standards (10 credits) and a two-panel submission which is externally assessed (14 credits).

### Learning Outcomes

A knowledge of photography as an expressive medium and force in art.

### Fees

200.00

A bond of \$50.00 will be required if extensive use of a departmental camera is necessary.

**Entry Requirements**

Fourteen credits from Year 12 Sport Science, including Achievement Standard 90443, or with approval of the Head of Faculty.

**Subject Matter**

- A personal activity programme that relates to Hauora / well-being
- Practical skills in a chosen physical activity
- Skill development
- Examining a current issue relating to Health and Physical Education

**Types of Tasks**

Understanding / explaining / discussing and applying in depth knowledge to critically evaluate the theory behind practical activities.

In depth biomechanical research project to improve your swing in golf.

**Learning Outcomes**

- An in depth understanding and application of biomechanical principles in a sporting context.
- An understanding of principles and methods of training, and the ability to apply these in a 10 week personal fitness training programme.

**Assessment**

Will be by Level 3 Physical Education Achievement Standards, offering 19 credits.

**Fee**

\$10.00 plus pupils will be expected to buy a workbook costing \$25.00.

The possibility of a dive trip to either Fiji or Australia is offered as part of this course. Here students can be assessed in diving and gain their PADI open water diving certificate. The cost would be around \$2250.00.

### Entry Requirements

At least 12 credits from Level 2 Mathematics Achievement Standards. These should include Probability 90289 (2.6), or by negotiation with the Mathematics Faculty Leader.

### Subject Matter

This course provides both mathematical modelling and statistical skills to students with an interest in any area where the analysis of data is important. Such areas include biological and social sciences, forestry, economics, business and marketing, health etc.

### Types of Tasks

The emphasis is on applying skills to problems arising in real and simulated situations.

### Assessment

Assessment is by Level 3 Statistics Achievement Standards, and Unit Standards.

Internal Achievement Standards – 9 credits

External Achievement Standards – 15 credits

Internal Unit Standards – 8 credits

### Learning Outcomes

Students become competent at selecting and using appropriate mathematical and statistical techniques to solve problems.

This subject is a recommended pre-requisite for a wide range of university courses.

Students must have a graphics calculator and will need to purchase the Nulake Statistics Workbook.

**Entry Requirements**

Must have studied Level 2 Maori, or by negotiation with the Teacher In Charge of Maori.

**Subject Matter**

- |              |             |
|--------------|-------------|
| - Korero     | - Speaking  |
| - Whakarongo | - Listening |
| - Panui      | - Reading   |
| - Tuhituhi   | - Writing   |
| - Rangahau   | - Research  |

**Types of Tasks**

This prescription intends to encourage students to have pride and mana in the New Zealand dual heritage. It will focus on oral, written and comprehension competency. Students will be encouraged to speak Māori whenever possible and to appreciate Māori values and customs.

They learn by speaking, listening, reading, writing and through research in all facets of Māori culture. Where ever possible they attend hui and observe tikanga Māori.

**Assessment**

Students will be assessed in Whakarongo, Kōrero, Pānui and Tuhituhi. Assessment will be by internally assessed Unit Standards.

Extension will be offered through two internally assessed Achievement Standards and two externally assessed Achievement Standards – up to 24 credits.

Level 2 Achievement Standards and Unit Standards will also be available at this level to those students who have not achieved these at Year 12.

For students involved in Kapa Haka, Unit Standards at Level 2 in Maori performing Arts will be offered.

**Learning Outcomes**

Students will have a sound understanding of Te Reo Māori me ona tikanga.

**Fee**

\$4.00

A Maori dictionary is essential.

## TECHNOLOGY      TEXTILES

### TTE

#### Entry Requirements

Ten credits at Level 2 or at the discretion of the teacher in charge.

#### Subject Matter

To work with a client and present solutions to their needs.

Individually researched, designed and constructed textile items.

#### Types of Tasks

- Independent research and investigation using a variety of resources
- Sketching and visual media
- Tailoring and pattern making
- Design using the technology approach
- Problem solving – independence is required

#### Assessment Scheme

This course is assessed using Level 3 Achievement Standards (internal and external) with 20 credits available.

#### Learning Outcomes

- To develop skills in communication, research, self management, problem solving, decision making
- To work independently
- To work with a specific client and cater for their needs – involves meetings, fittings, receiving feedback
- To gain an academic qualification that will enable the choice of this career option
- 

#### Fees

\$25.00

**Entry Requirements**

At least Level 1 Literacy.

To achieve the National Certificate in Travel (Intro Skills) Level 2 it is essential that students have done Level 2 Tourism in 2009 as outlined below. Students who have not achieved this may enter with the literacy requirements and achieve credits at Level 2 and 3 for NCEA.

**Subject Matter**

- Reading and comprehension for tourism
- In-depth study of a New Zealand destination
- Australia as a destination
- Economic, social and cultural impacts of tourism

**Types of Tasks**

- Comprehension of articles, brochures, guides, handbook, manuals for tourism
- Data analysis
- Research and oral presentations

**Assessment**

Internally assessed by Unit Standards at Level 2 (6 credits) and Level 3 (16 credits). This allows for the achievement of the National Certificate in Tourism (Introductory Skills) Level 2 if the students has also successfully completed:

1. 6 compulsory Unit Standards from Level 2 in Year 12 Tourism (21 credits) plus
2. 6 Level 2 credits from English oral and / or written language plus
3. 8 Level 1 credits from Mathematics

All assessments are approved and moderated by ATTTO, the Tourism Training Organisation.

This is a programme that offers students the opportunity to trial, in the workplace, their probable career choice. It is not just work experience. It involves learning and assessment in the workplace as well as the usual school based learning. Students will spend one day a week, in one workplace, for most of the year.

**Entry Requirements**

1. The student is working at Level 2 for the majority of subjects.
2. Level 1 literacy and numeracy minimum standards have to be gained or are likely to be gained.
3. A strong commitment has been shown towards a particular career choice through previous subject selection, work experience, or career planning e.g. Yr10 LCP.
4. A suitable workplace can be found to match the student's career choice.

It will be an advantage to be doing a STAR programme. All students will be interviewed prior to selection for this programme.

**Assessment**

Unit Standards relating to employment skills (mainly Level 1) will be used for in-school assessment.

Unit Standards relating to the work-based learning will be negotiated with the employer.

**Learning Outcomes**

- CV preparation
- First Aid / Health and Safety in the workplace
- Job search skills
- Employment rights and responsibilities
- Knowledge of their chosen workplace

Possible Gateway opportunities in:

- Tourism
- Hospitality and Catering
- Automotive
- Agriculture / Horticulture
- Building
- Retail
- Hairdressing / Beauty Therapy

Others will be added as they are developed.

## AVIATION

12AVI

This course is offered in partnership with Flight Training Manawatu. It provides the opportunity to start a career in aviation.

There are two components to the course:

- Six National Certificate in Aviation papers delivered by Feilding High School.
- Private pilots licence delivered by Flight Training Manawatu which comprises of practical flying lessons and New Zealand Civil Aviation Authority examinations.

The course is open to Year 11 students. In the first year students are involved in practical flying lessons in their own time.

In the second year the students will study Unit Standards provided by ATTTO and will work out of D2 for one of their subject lines.

### Fees

Approximately \$1900.00 to fly solo.

Approximately \$9000.00 to gain a private pilot's licence, including aircraft hire, texts and manuals and a Class 2 medical examination.

For further information see your Year Level Dean.