

# Introduction

This curriculum handbook is intended to provide students and parents with a comprehensive view of the Kaitaia College curriculum.

Kaitaia College offers a diverse range of subjects that prepare students for a range of National Qualifications including National Certificate of Educational Achievement (NCEA) Levels 1, 2, and 3, National Certificate, and a variety of Tertiary Qualifications.

It is important that students make good choices with regard to course selection – this book provides vital information to enable them to do this, as it contains pre-requisites to courses and outlines of where they lead.

It is wise to seek advice from specialist staff. Mrs. Jackie Fowke, the Careers Adviser leads a team including Deans and the Guidance Counsellor who are all able to help with course planning. Specific information about a course is best obtained from the relevant Head of Department or Teacher in Charge of the subject.

We encourage participation and input of parents and caregivers in the child's future choices.

William Tailby, Principal

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*Cover artwork by Louella Dugmore*

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# Help

This Curriculum Booklet is designed to help you select courses for Year 11, 12, and 13.

## Careers

If you have a particular career in mind you can get information on what subjects to take and at what levels to take them on-line using the computers in the library or at home.

**Check out:** [www.careers.govt.nz](http://www.careers.govt.nz)

Do not hesitate to see **Mrs. Fowke, the Careers Advisor**, if you have any questions regarding your future career. There is further information on careers in the careers section of this handbook.

## Current Year 10 Students

**If you have no career in mind, don't panic.** Most students do not make up their minds until much later. However, you should start thinking about what you might like to do. Look at the subjects you are interested in or are good at and discuss your strengths and weaknesses with your family. Check out the website.

## Option Selections

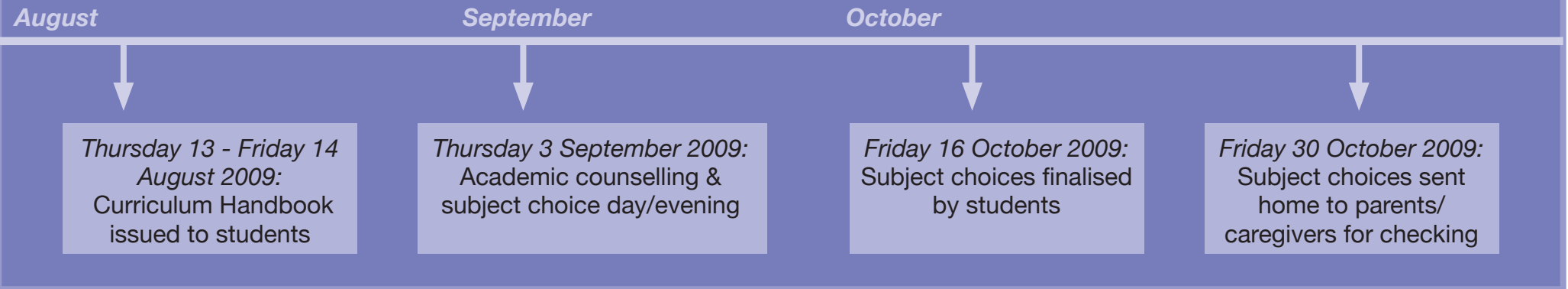
When putting together your course for 2010:

- **Make sure you understand the entry requirements for all your subjects**
- **Students who have not met these requirements** will usually not gain entry into the course. If entry requirements are not met, you will have to study at a lower level. As a result, it has become very common for students to study at **multiple levels** (e.g. Three subjects at Level 2 and two and Level 1)
- The school tries very hard to give you your first choice of subjects. For us to do so means we need **definite information by the stated deadline.**
- Not completing your subject choice forms on the correct day may mean your **choice of option is not available** to you because the class is full or was cancelled due to small student numbers or unavailability of a specialist teacher.

### *Years 11, 12, 13 in 2010 - Need additional help or guidance with your subject choice selection?*

- Ask your Dean: Year 10: Mrs. Middleton/Mr. Togatama  
Year 11: Mr. Withiel  
Year 12: Ms. Lockie  
Year 13: Mr. Downer
- Your House Group Teacher
- Careers Advisor – Mrs. Fowke

## Subject Choice Timeline



### Academic Counselling & Subject Choice Day/Evening

This is an opportunity to speak to teaching staff about the subjects you may wish to take next year, and find out more about them and where they may lead.

This will be held in the **Kaitaia College Hall, Thursday 3 September 2009**

#### Presentations include:

- Understanding NCEA
  - Financial Assistance
- Career Information and future pathways
  - Funding and Scholarships
  - Help panel
  - Making the right subject choices
- e-learning Principal

**Curriculum areas** will have displays that highlight what their subject offers in terms of:

- Aspects of learning in this subject
- Relevance to future career options
- Knowledge and practical skills
- Courses and Qualifications available
- Future tertiary training pathways

### Course Confirmation

All senior students will receive a letter to confirm their course in late January and are expected to attend the **Course Confirmations Enrolment Days** at the beginning of the school year.

#### *Need additional help or guidance?*

- Ask:
- Your House Group Teacher
  - Year Level Dean
  - Careers Advisor

The Career Education Programme aims to assist students develop the skills, attitudes and understanding of how to best prepare for post-school options.

The programme looks to enhance student's career development through a series of processes:

- Developing self-awareness
- Becoming aware of opportunities
- Making decisions and planning
- Taking action

The concepts of lifelong learning through work and non-work roles, the necessity for flexibility and adaptability in a rapidly changing labour market, and the skills to cope and manage these changes are integrated into curriculum areas and career-related activities.

## CAREER LEARNING OUTCOMES FOR STUDENTS

*This table details career education opportunities available for students during their time at school.*

YEAR 9	YEAR 10	YEAR 11	YEAR 12	YEAR 13
<ul style="list-style-type: none"> <li>• Developing self-awareness</li> <li>• Becoming aware of opportunities</li> </ul>	<ul style="list-style-type: none"> <li>• Developing self-awareness</li> <li>• Becoming aware of opportunities</li> <li>• Making decisions and planning</li> </ul>	<ul style="list-style-type: none"> <li>• Developing self-awareness</li> <li>• Becoming aware of opportunities</li> <li>• Making decisions and planning</li> <li>• Taking action</li> </ul>	<ul style="list-style-type: none"> <li>• Becoming aware of opportunities</li> <li>• Making decisions and planning</li> <li>• Taking action</li> </ul>	<ul style="list-style-type: none"> <li>• Becoming aware of opportunities</li> <li>• Making decisions and planning</li> <li>• Taking action</li> </ul>
<ul style="list-style-type: none"> <li>• Induction visit</li> <li>• The Real Game</li> <li>• Individual subject choice counseling</li> <li>• Careers Day</li> <li>• Curriculum integration within Health, Maths, Science and Technology</li> </ul>	<ul style="list-style-type: none"> <li>• Career options trips</li> <li>• Careers Day</li> <li>• Curriculum integration within Health, Social Studies, Business Studies, Maths, and Technology</li> <li>• Individual subject choice counseling</li> </ul>	<ul style="list-style-type: none"> <li>• Employment skills</li> <li>• RYDA programme</li> <li>• Tertiary awareness experience days</li> <li>• Tertiary Options Trip</li> <li>• Curriculum integration with English, Maths, Science, Economics, Health, Geography, and Technology</li> <li>• Careers Day</li> <li>• STAR courses</li> <li>• Gateway opportunities</li> <li>• Individual subject choice counseling</li> </ul>	<ul style="list-style-type: none"> <li>• Employment skills</li> <li>• STAR courses</li> <li>• Gateway</li> <li>• Kaipakihi Ranga Wairua – Business Experience</li> <li>• Curriculum integration within English, Maths, Science, Health, Geography, Technology, and Trades</li> <li>• Northland Careers Expo</li> <li>• University Liaison visits</li> <li>• Careers Day</li> <li>• Studylink visit</li> <li>• CV workshops</li> </ul>	<ul style="list-style-type: none"> <li>• Employment skills</li> <li>• STAR courses</li> <li>• Gateway</li> <li>• Curriculum integration within Maths, Health, Geography, Technology, and Trades</li> <li>• Individual interviews – post-school options</li> <li>• Year 13 Tertiary Trip</li> <li>• University Liaison visits</li> <li>• Careers Day</li> <li>• Studylink visit</li> <li>• CV workshops</li> </ul>

## TERTIARY LINKS WITH CAREERS

For entry to tertiary courses - there is now less emphasis placed on subjects studied at school. It is the standard of achievement rather than the actual subjects that gain a student entry to the course of their choice. Of course, there are exceptions - usually with the science based career options, and these need to be researched before final decisions are made. The information found in A Guide to Academic Requirements for Tertiary Training Options is a starting point to assist with decision-making about future options. This can be supported by checking out the following:

**Career Services website - [www.careers.govt.nz](http://www.careers.govt.nz)**  
**Talk to Career Adviser**

**Ring Career Services to talk to a Careers Adviser - 0800 222 733**  
**Websites of tertiary institutes running the course(s) you are interested in**

### Glossary of Terms:

**PTE** - *Private Training Establishment* - set up by individuals rather than the Government. Many of their qualifications are recognised by NZQA.

**ITO** - *Industry Training Organisation* - all areas of business and industry have an ITO, which is responsible for training in its industry.

## A GUIDE TO ACADEMIC REQUIREMENTS FOR TERTIARY TRAINING OPTIONS

### Apprenticeship Entry

**Most prefer completion of Year 12.**

*Minimum:* Level 1 English – 12 credits, Maths – 12 credits. Most prefer Science – 12 credits, plus credits in subjects associated with the apprenticeship.

**ALL** apprenticeships require that you are able to meet entry requirements for the industry you are interested in.

### Diploma Entry

**Usually** – Level 2 – 48 credits over 4 subjects – that is 12 credits over 4 best subjects, one of those subjects must be English.

**Some Diplomas** require Level 3 credits for entry.

### Armed Forces Entry

**Officer** – 42 credits at Level 3 (as per University Entrance)

**Technical/Trades/Soldier, Seaman, Ground Crew** – *Minimum:* Level 1 English – 12 credits, Maths – 12 credits. Most prefer Science – 12 credits plus credits in trade or area of interest.  
*(Age requirement – 17 years)*

### Degree Entry

**Minimum requirements for University Entrance:**

42 credits at Level 3 – made up of: 14 credits in one approved subject at Level 3, 14 credits in one approved other subject at Level 3, and 14 credits from either one other subject at Level 3 or credits from 2 subjects at Level 3 combined (*subjects can be approved or not – must be Level 3*)

**PLUS** 8 credits in Level 2 English/Te Reo Maori – 4 must be reading credits, 4 must be writing credits

**PLUS** 14 credits at Level 1 or above in Maths.

**Some Degrees** have higher entry requirements – minimum of 80 credits over 5 Level 3 subjects

**PLUS** literacy and numeracy requirements for University Entrance.

### Certificate Entry

**Many prefer completion of Year 12**

**Must** meet minimum English requirement for certificate in area of study – Level 1 – 8 literacy credits – 4 reading credits and 4 writing credits. Many require 8 numeracy credits.

**Some certificates** require Level 2 credits for entry.

### IMPORTANT - PLEASE NOTE

**Aim for more credits than “minimum”**

- To ensure that you are competitive with other applicants
- To ensure that you achieve minimum number of credits required

**Achievement for entry into training options:**

Be aware, tertiary institution courses will rank using a grade point average; “Excellence” grade is ranked higher than a “Merit” grade, which is ranked higher than an “Achieved” grade.

# ANIMALS, PLANTS & NATURE

*If you are interested in:*

- Working with animals
- Working with plants
- Protecting the environment
- Working outdoors

## AGRICULTURE

*Examples: Farmer/Farm Manager, Spraying Contractor, Stablingroom, Wool Handler, Agricultural Scientist*

### Polytechnic/ PTE/ITO Training

**L1/L2** English  
Maths  
Science  
+ Workshop  
Technology  
+ Economics  
+ ICT

### Degree

**L3** English/Classics  
/History  
Statistics/Calculus  
Biology  
Chemistry  
+ Agriculture  
+ Horticulture  
+ ICT

## SEAFOOD

*Examples: Fishing Deckhand, At Sea Seafood Processor, Marine Farm Worker*

### Polytechnic/PTE/ITO Training

**L1/L2** English  
Maths  
Science  
+ Workshop Technology

## FORESTRY

*Examples: Forestry Worker, Forest Manager, Timber Grader, Harvesting Operator Supervisor*

### Polytechnic/ PTE/ITO Training

**L1/L2** English  
Maths  
Science

### Degree

**L3** Statistics/Calculus  
Biology  
Chemistry  
Economics  
ICT  
+ English/Classics  
/History

## HORTICULTURE

*Examples: Arborist, Sport Turf Manager, Horticultural Consultant, Landscape Gardener*

### Polytechnic/ PTE/ITO Training

**L1/L2** English  
Maths  
Science  
+ Horticulture  
+ Workshop  
Technology

### Degree

**L3** English/Classics  
/History  
Statistics  
Chemistry  
+ Horticulture  
+ Physics  
+ Biology

## CONSERVATION

*Examples: Ecologist, Marine Biologist, Natural Resource Engineer, Ranger*

### Polytechnic/ PTE/ITO Training

**L1/L2** English  
Maths  
Science  
+ Geography  
+ Maori  
+ Horticulture

### Degree

**L3** Biology  
Chemistry  
Statistics/Calculus  
+ Geography  
+ English/Classics  
/History  
+ Physics

## ANIMAL CARE

*Examples: Vet, Vet Nurse, Animal Control Officer, Animal Attendant*

### Polytechnic/ PTE/ITO Training

**L1/L2** English  
Maths  
Science

### Degree

**L3** English/Classics/  
History  
Biology  
Chemistry  
Physics  
Statistics

## Jobs By Interest

## ARTS &amp; MEDIA

If you are interested in:

- Expressing ideas through the creative arts
- Informing or influencing an audience
- Gathering and processing information
- Performing or entertaining people

## ART &amp; DESIGN

Examples: Interior Designer, Clothing Designer, Art Teacher, Sign Maker

## Polytechnic/PTE/ITO Training

**L1/L2** English  
Maths  
Art  
+ Graphics & Design  
+ Fashion & Design  
+ ICT  
+ Science

## Degree

**L3** English/Classics/History  
Art  
+ Graphics & Design  
+ Fashion & Design  
+ ICT  
+ Statistics or Calculus

## INFORMATION &amp; COMMUNICATIONS

Examples: Communications Manager, Journalist

## Polytechnic/PTE/ITO Training

**L1/L2** English  
Maths (Statistics)  
Media Studies  
ICT  
Visual Communication  
Science

## Degree

**L3** English/Classics/History  
Statistics  
Media Studies  
ICT  
Visual Communications

## PERFORMANCE

Examples: Actor, Dancer, Musician

## Polytechnic/PTE/ITO Training

**L1/L2** English  
Maths (Statistics)  
Dance/Drama/Music  
Visual Communications

## Degree

**L3** English/Classics/History  
Statistics  
Dance/Drama/Music  
Visual Communications

## ARTS PRODUCTION

Examples: Film Editor, Director, Producer, Art Director

## Polytechnic/PTE/ITO Training

**L1/L2** English  
Maths  
Science  
Visual Communications  
+ Drama  
+ Media Studies  
+ ICT

## Degree

**L3** English/Classics/History  
Statistics (or Calculus)  
Visual Communications  
+ Drama  
+ Media Studies  
+ ICT



# BUSINESS & MONEY

*If you are interested in:*

- Supervising or advising people
- Planning and organising activities
- Managing a business or organisation
- Working with numbers

## BUSINESS SERVICES

*Examples: Marketing Manager, Event Manager,  
Personal Assistant, Communication Officer*

### Polytechnic/PTE/ITO Training

**L1/L2**

English  
Maths  
Economics  
Accounting  
ICT  
+ Science

### Degree

**L3**

English/Classics/  
History  
Statistics  
Economics  
Accounting  
ICT

## FINANCE

*Examples: Economist, Accountant,  
Bank Manager, Financial Adviser*

### Polytechnic/PTE/ITO Training

**L1/L2**

English  
Maths  
Economics  
Accounting  
+ ICT  
+ Science

### Degree

**L3**

English/Classics/  
History  
Statistics and/or  
Calculus  
Economics  
Accounting

## Jobs By Interest

# DISTRIBUTION & DRIVING

*If you are interested in:*

- Driving vehicles
- Storing and moving goods
- Operating machinery
- Practical, routine work

## DISTRIBUTION

*Examples: Aircraft Loader, Courier, Customs Broker, Storeperson***Polytechnic/PTE/ITO Training**

**L1/L2** English  
 Maths  
 + Geography  
 + ICT

## DRIVING & TRANSPORT

*Examples: Earthmoving Machine Operator, Pilot, Heavy Truck Driver, Deckhand***Polytechnic/PTE/ITO Training**

**L1/L2** English  
 Maths  
 + Science  
 + Workshop Technology  
 (metal)  
 + ICT

**Degree**

**L3** English  
 Calculus  
 Physics  
 ICT

# EDUCATION & COMMUNITY

*If you are interested in:*

- Teaching or training people
- Improving the welfare of others
- Helping or caring for people
- Contributing to the community

## EDUCATION & TRAINING

*Examples: Early Childhood, Primary or Secondary School Teachers, Kohanga Reo Kaiako, Nanny*

### Polytechnic/PTE/ITO Training

**L1/L2**

English  
Maths  
+ Maori  
+ Creative subjects:  
i.e. Art, Drama, Dance,  
Music

### Degree

**L3**

English  
+ Statistics  
+ Maori

\* For secondary teaching  
- recommended degree  
allows for more than one  
teaching subject

## COMMUNITY SERVICES

*Examples: Community Worker, Social Worker, Psychologist, Police Officer*

### Polytechnic/PTE/ITO Training

**L1/L2**

English  
Maths (Statistics)  
Science  
+ Computer Skills  
+ Health

### Degree

**L3**

English/Classics/  
History  
Statistics  
+ Computer Skills  
+ Health  
+ Chemistry/Physics

*Note: Subject entry requirements for different courses will vary. It is important to check.*

## Jobs By Interest

# ENGINEERING & CONSTRUCTION

*If you are interested in:*

- Finding out how things work
- Repairing and maintaining things
- Designing and building things
- Working with your hands

## BUILDING & CONSTRUCTION

*Examples: Boat Builder, Carpenter, Structural Engineer, Civil Engineer*

### Polytechnic/PTE/ITO Training

**L1/L2** English  
Maths (Calculus)  
Workshop Technology (Wood)  
Science  
Graphics & Design

### Degree

**L3** Calculus  
Physics  
Chemistry

## SURVEYING & MAPPING

*Examples: Land Surveyor, Planner*

### Degree

**L3** English  
Calculus or Statistics  
Physics  
Geography

## MECHANICS & MACHINERY

*Examples: Mechanical Engineer, Marine or Avionics Engineer, Automotive Engineer*

### Polytechnic/PTE/ITO Training

**L1/L2** English  
Maths (Calculus)  
Workshop Technology (Wood)  
Science  
+ Graphics & Design

### Degree

**L3** Calculus  
Physics  
Chemistry  
English/Classics/History

## CHEMICALS & MATERIALS

*Examples: Food Engineer, Chemical or Process Engineer*

### Degree

**L3** Calculus  
Chemistry  
Biology  
English/Classics/History  
+ Physics

# HEALTH

*If you are interested in:*

- Treating and caring for unwell people
- Using technology to treat people
- Educating people about health
- Preparing and dispensing medicine

## HEALTH SERVICES

*Examples: Doctor, Physiotherapist,  
Nurse, Pharmacist*

### Polytechnic/PTE/ITO Training

**L1/L2**

English  
Maths (Statistics)  
Science - Chemistry  
Health  
Biology  
Physics

### Degree

**L3**

\*#English  
\*#Statistics  
\*#Chemistry  
#Health  
\*Biology  
\*Physics  
#Health Sciences at Otago  
\*Health Sciences at Auckland

## HEALTH TECHNOLOGIES

*Examples: Medical Laboratory Technician, Dental Technician,  
Medical Radiation Technician*

### Degree

**L3**

English/Classics/History  
Statistics  
Chemistry  
Physics  
Biology

*Note: Subject entry requirements for different Health Science courses vary from institution to institution.  
It is important to check.*

## Jobs By Interest

# HOSPITALITY, TOURISM & BEAUTY

*If you are interested in:*

- Providing services to people
- Meeting new people
- Helping people enjoy themselves
- Travel, culture, food or drink

## HOSPITALITY & TOURISM

*Examples: Hotel Manager, Flight Attendant,  
Chef, Travel Agent*

### Polytechnic/PTE/ITO Training

**L1/L2**

English  
Maths  
Science  
Geography  
Food Technology  
+ Languages  
Hospitality  
Tourism  
+ Economics

### Degree

**L3**

English/Classics  
/History  
Statistics  
Geography  
+ Economics  
+ Languages

## BEAUTY

*Examples: Beautician, Make-Up Artist,  
Hairdresser*

### Polytechnic/PTE/ITO Training

**L1/L2**

English  
Maths  
Science  
+ Art  
+ Fashion & Design  
+ Performing Arts

# INFORMATION TECHNOLOGY, ELECTRONICS & ELECTRICAL

*If you are interested in:*

- Repairing and maintaining things
- Finding out how things work
- Discovering solutions
- Working with computers, electronic or electrical devices

## INFORMATION TECHNOLOGY

*Examples: Computer Systems Technician, Website Developer*

### Polytechnic/PTE/ITO Training

**L1/L2**

English  
Maths (Calculus)  
Science (Physics)  
ICT

### Degree

**L3**

Calculus  
English/Classics  
Physics  
ICT

## ELECTRONICS & ELECTRICAL

*Examples: Electrician, Telecommunications Engineer,  
Electronics Engineer*

### Polytechnic/PTE/ITO Training

**L1/L2**

English  
Maths (Calculus)  
Science - Physics  
+ Chemistry

### Degree

**L3**

English/Classics  
/History  
Calculus  
Physics  
+ Chemistry

## Jobs By Interest

## LAW &amp; PROTECTION

If you are interested in:

- Preventing and investigating crime
- Protecting people and property
- Interpreting and challenging the law
- Law and justice

## LAW

Examples: Barrister/Solicitor, Criminologist, Legal Secretary, Criminal Justice Psychologist

Polytechnic/  
PTE/ITO Training

**L1/L2** English  
Maths  
History  
+ Economics  
+ Accounting  
+ Science  
+ ICT

## Degree

**L3** English/Classics  
/History  
+ Statistics  
+ Economics  
+ Accounting  
+ ICT

SECURITY &  
PROTECTION SERVICES

Examples: Biosecurity Officer, Police Officer,  
Forensic Scientist, Firefighter

Polytechnic/  
PTE/ITO Training

**L1/L2** English  
Maths  
Science  
+ ICT

## Degree

**L3** Horticulture  
Biology  
Chemistry  
Statistics  
English/Classics/  
History

## ARMED FORCES

Examples: RNZ Airforce, NZ Army, RNZ Navy

Polytechnic/  
PTE/ITO Training

**L1/L2** English  
Maths  
Science  
+ Workshop  
Technology  
+ ICT  
+ Geography  
+ PE

## Degree

**L3** English/Classics  
Calculus/Statistics  
+ Physics  
+ Chemistry  
+ Geography  
+ PE



# MANUFACTURING & CRAFT

*If you are interested in:*

- Making things
- Operating machinery
- Extracting or processing raw materials
- Working with your hands

## FACTORY PRODUCTION

*Examples: Assembler of Goods, Miner,  
Clothing Pattern Maker, Timber Machinist*

### **Polytechnic/PTE/ITO Training**

**L1/L2** English  
Maths  
Science  
+ ICT  
+ Fashion & Design  
+ Graphics  
+ Workshop Technology

## SPECIALIST TRADES

*Examples: Butcher, Carpenter,  
Surfboard Maker, Upholsterer*

### **Polytechnic/PTE/ITO Training**

**L1/L2** English  
Maths  
Science  
+ Food Technology  
+ Workshop Technology  
+ Art  
+ Graphics  
+ Fashion & Design

## Jobs By Interest

## RESEARCH &amp; KNOWLEDGE

If you are interested in:

- Finding out how things work
- Developing and testing theories
- Inventing and experimenting
- Problem solving

## LIFE SCIENCES

Examples: Biotechnologist, Ecologist,  
Marine Biologist, Molecular Biologist

Polytechnic/ PTE/ITO Training	Degree
<b>L1/L2</b> English	<b>L3</b> Calculus/Statistics
Maths	Biology
Science	Chemistry
+ Geography	+ Physics
	+ Geography

## PHYSICAL SCIENCES

Examples: Geologist, Meteorologist,  
Physicist, Research Chemist

Polytechnic/ PTE/ITO Training	Degree
<b>L1/L2</b> English	<b>L3</b> Calculus/Statistics
Maths	Physics
Science	Chemistry
+ Geography	+ Biology
+ ICT	+ Geography
	+ English/Classics/ History

## SOCIAL SCIENCES &amp; MATHEMATICS

Examples: Anthropologist, Demographer,  
Historian, Sociologist, Statistician

Polytechnic/ PTE/ITO Training	Degree
<b>L1/L2</b> English	<b>L3</b> English/Classics
Maths	+ History
+ Geography	+ Geography
+ History	+ Language
+ Social Studies	+ Economics
+ Languages	+ Statistics
+ Economics	+ Calculus

# SALES & MARKETING

*If you are interested in:*

- Providing services to customers
- Promoting goods and services
- Buying and selling goods
- Persuading people

## RETAIL & SALES

*Examples: Retail Salesperson, Small Business Owner,  
Real Estate Salesperson, Property Valuer*

### Polytechnic/PTE/ITO Training

**L1/L2**

English  
Maths  
+ Economics  
+ ICT  
+ Accounting

### Degree

**L3**

English/Classics/  
History  
Statistics  
Economics  
+ ICT  
+ Accounting

## ADVERTISING & MARKETING

*Examples: Communications Manager, Event Manager,  
Marketing Manager, Advertising Art Director*

### Polytechnic/PTE/ITO Training

**L1/L2**

English  
Maths  
Economics  
+ ICT  
+ Accounting  
+ Media Studies  
+ Art  
+ Graphics & Design

### Degree

**L3**

English/Classics/  
History  
Statistics  
Economics  
+ Accounting  
+ ICT  
+ Art  
+ Graphics & Design

## Jobs By Interest

## SPORT &amp; LEISURE

If you are interested in:

- Outdoor Pursuits
- Sport, athletics and games
- Training or coaching people
- Running leisure and activity programmes

## PROFESSIONAL SPORT

*Examples: Professional Sportsperson, Professional Sports Coach, Horse Trainer*

## Polytechnic/PTE/ITO Training

**L1/L2**

English  
Maths  
Science  
Physical Education  
Health

## Degree

**L3**

English/Classics/  
History  
Calculus or Statistics  
Physical Education  
+ Biology  
+ Physics  
+ Health

## RECREATIONAL SPORT &amp; LEISURE

*Examples: Fitness Instructor, PE Teacher, Outdoor Recreation Guide, Diver*

## Polytechnic/PTE/ITO Training

**L1/L2**

English  
Maths  
Science  
Physical Education  
Health

## Degree

**L3**

English/Classics/  
History  
Calculus or Statistics  
Health  
Biology  
+ Physics

# National Certificate in Educational Achievement (NCEA)

## National Certificate in Educational Achievement

is the main New Zealand qualification for Secondary school students.

Most NCEA subjects assessed are a combination of internal assessment (by the school) and external assessment (by examination or outside marking of portfolios), with “credits” earned going towards the NCEA qualification.

Knowledge and skills will be assessed using **“Achievement Standards”** with results being recognised at four levels:

- Not achieved
- Achieved
- Achieved with merit
- Achieved with excellence

Courses that offer **“Unit Standards”** are also credited towards NCEA at Level 1, 2 and 3.

These standards are all internally assessed, with results being recognised at two levels:

- Not achieved
- Achieved

NCEA is intended to act as a learning goal and to encourage lifelong learning. Students will start to earn credits at college and will continue to build up their credits with a tertiary provider or in the workplace.

## NCEA Level 1 (Year 11)

Awarded when 80 Level 1 credits are earned.

This must include:

- 8 credits in English or Te Reo
- 8 credits in Mathematics amongst the total of 80 credits

## NCEA Level 2 (Year 12)

Awarded when 80 credits are earned - with at least 60 at Level 2

## NCEA Level 3 (Year 13)

Awarded when 80 credits are earned - with at least 60 at Level 3.

## New Zealand Scholarship

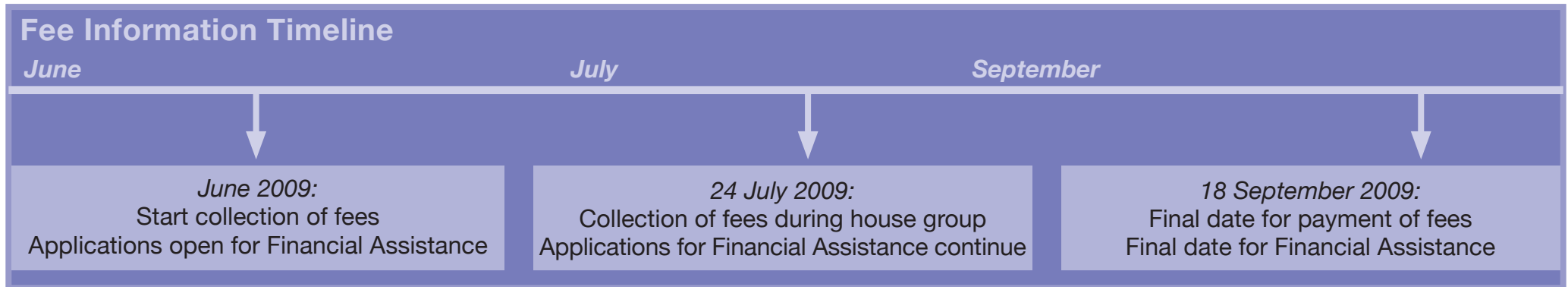
New Zealand Scholarship is a separate award from NCEA, and is assessed by way of external assessment only. The assessments are separate from the Level 3 assessments.

A New Zealand Scholarship is awarded if a student achieves the scholarship standard in 3 subjects. Students can also gain awards in individual subjects.

More information on NCEA can be found at:

[www.nzqa.govt.nz/scholarship/subjects/resources](http://www.nzqa.govt.nz/scholarship/subjects/resources)

# Fees & Financial Assistance



## NCEA Level 1, 2, 3 and NZ Scholarship

The cost in 2009 for all Achievement and Unit Standards entered at any levels (including up to 3 subjects in New Zealand Scholarship/Level 4) is **\$75.00**.

This cost is set by NZQA; the College simply acts as a collection agent for NZQA.

## Fee Collection

It is important to address the payment of NCEA as early as possible. The school acts as an agent for NZQA and requests that all fees be paid by the end of **July**.

Students who leave school may not be credited with credits unless the entry fees for those standards have been paid for.

## Financial Assistance

Substantial assistance is available for families qualifying.

Remission of fees applies to subject fees only, not administration fees.

Details can be found:

[www.nzqa.govt.nz/ncea/for-students/fees/financialassistance](http://www.nzqa.govt.nz/ncea/for-students/fees/financialassistance)

## *Need additional help or guidance?*

- Fees - ask your House Group Teacher
- Financial Assistance - ask the Principal's Nominee - Mrs. Riley

# e-learning & Gateway

## e-learning through FarNet

Kaitaia College is a member school of FarNet and is offering motivated students an opportunity to pursue their courses of study through e-learning. You may apply to be enrolled in an e-learning course if the course you wish to study is:

- Not currently offered at Kaitaia College
- Clashes with another time tabled class
- Offered through a tertiary organisation

Students who apply must have a satisfactory record of attendance, meet the entry requirements and have demonstrated very good self managing skills.

For more information on courses available:

[www.virtuallearning.school.nz/local/timetables/coursesearch](http://www.virtuallearning.school.nz/local/timetables/coursesearch)

For more information about FarNet:

<http://moodle.minedu.govt.nz/farnet>

You can also pick up an application form from the office and arrange to discuss this application with Mrs. Riley.

## Gateway

The Gateway programme offers structured workplace learning opportunities across a range of industries and businesses while continuing to study at school.

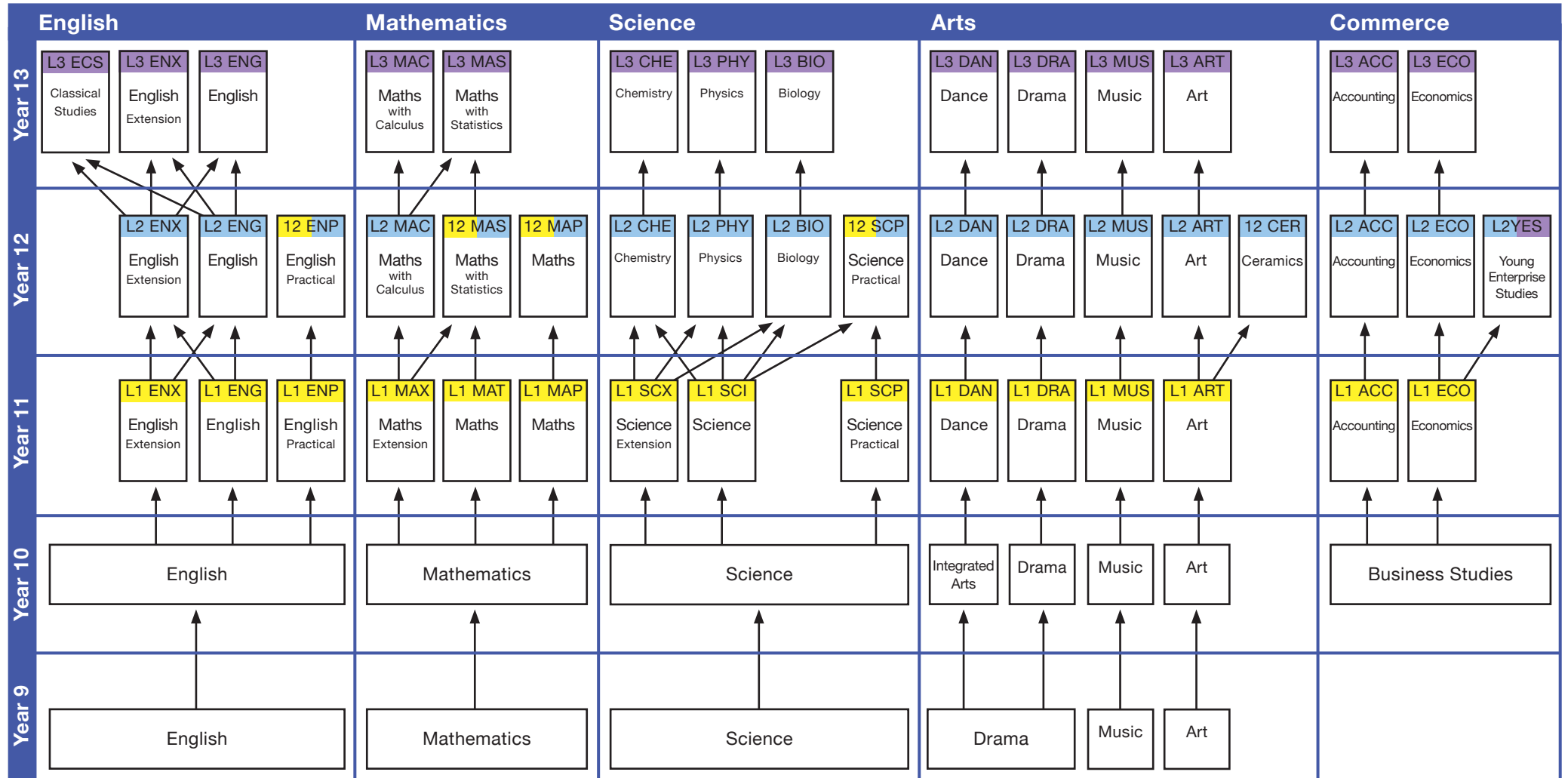
The programme is available to senior students, (years 11-13), and the delivery involves arranging structured workplace learning in a formalised learning environment in the workplace. The Gateway programme is designed to strengthen the pathway for learners to progress from school to the work place.

### ***Need additional help or guidance?***

- e-Learning is administered by Mrs. Riley
- Gateway is administered by Ms. Flanagan
- The e-Principal of FarNet is Mrs. Bennett who can be contacted on (09) 4077 206, 021 474 889, or [carolyn@farnet.schoolzone.net.nz](mailto:carolyn@farnet.schoolzone.net.nz)

# Kaitaia College Curriculum Overview

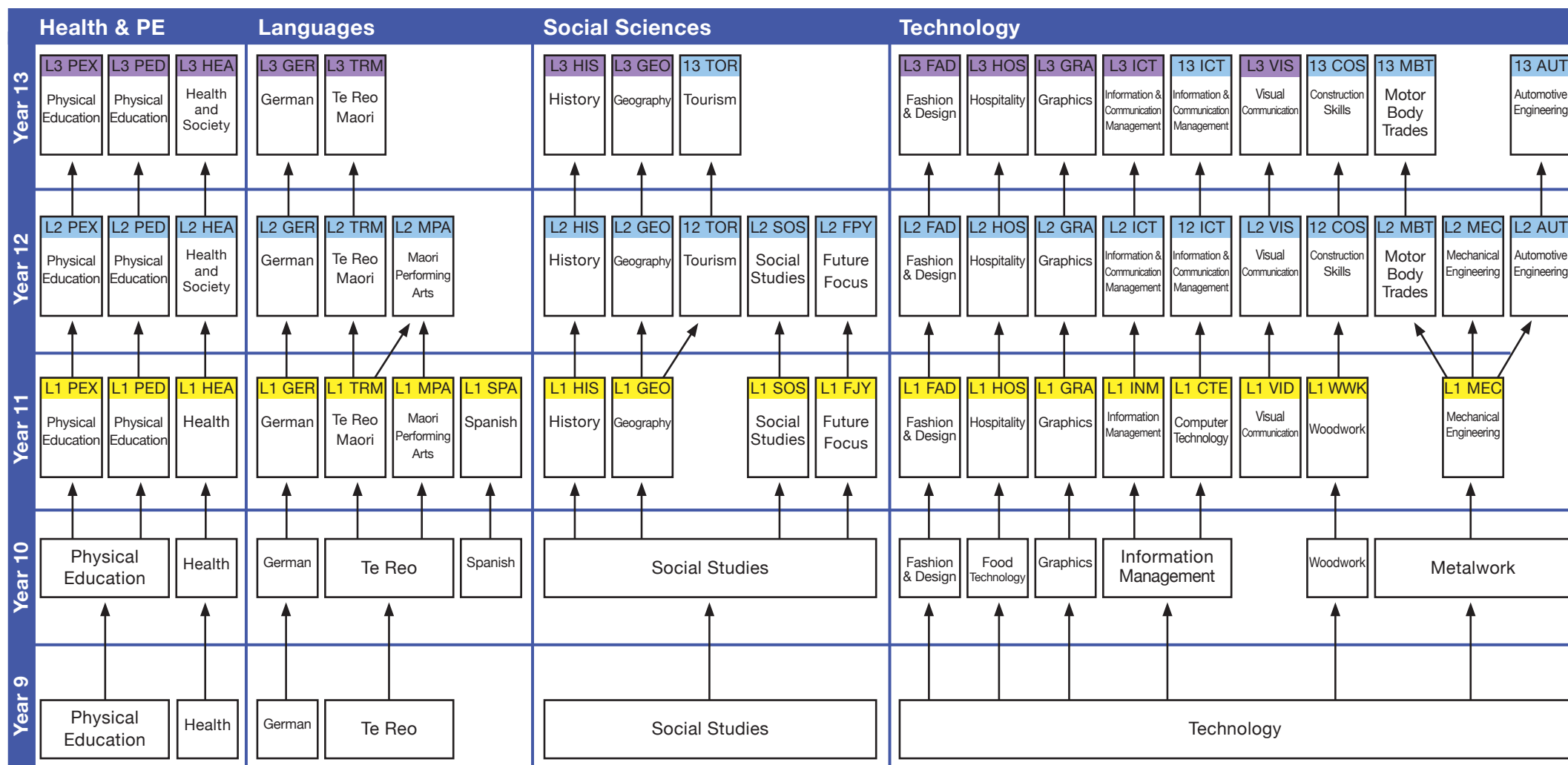
	NCEA Level 3
	NCEA Level 2
	NCEA Level 1





# Kaitaia College Curriculum Overview (cont.)

	NCEA Level 3
	NCEA Level 2
	NCEA Level 1



# Year 11 Subject Information

## English is compulsory

As a result of your skill development and achievement up to the end of the year, you will be placed into the English course most suited to your ability. The difference between the courses is based on the method of assessment and the pace of the class:

- **L1ENX (English Extension)** is based on mainly Achievement Standard. This course prepares students for tertiary study in the future.
- **L1ENG (English)** is based on both Achievement and Unit Standards. This course allows students to pursue either tertiary education or employment at the end of their schooling.
- **L1ENP (Practical English)** is a practical English course, based on internally assessed Unit Standards. This course prepares students for the demands of the workforce.

## Mathematics is also compulsory

You will also be placed into a Mathematics course most suited to your ability. The difference between the courses is based on the depth of study and content.

- **L1MAX (Mathematics Extension)** All Achievement Standards are taught to the excellence standard and the class is moving at a fast pace. A good grounding in year 10 Mathematics is needed for this course.
- **L1MAT (Mathematics)** All Achievement Standards are taught to an achieve/merit standard with the class moving at a standard pace.
- **L1MAP (Practical Mathematics)** The Standards attempted by each student will be decided through consultation with the student and teacher. All Achievement Standards will be taught to an achieve level with the class moving at a slower pace.

## All students should be doing a course in Science.

Science subjects are the hardest subjects to retrieve if you choose not

to do them at school. Points to remember:

- *You must have studied level 1 Science if you want to continue to study Science at levels 2 and 3*
- *Biology on its own does not offer many career options - its partner is Chemistry*
- *Mathematics and/or Physics are essential for many technical careers*

## 6 SUBJECTS

All students will study 6 subjects.

All students will study a course of English, Mathematics and 4 other options.

Students select the subject combinations that add to a full year. The subjects to choose from are found in the Subject Information section of this Senior Curriculum Handbook or on the Kaitaia College website:

[http://communities.co.nz/kaitaia\\_college/Curriculum\\_Guide.cfm](http://communities.co.nz/kaitaia_college/Curriculum_Guide.cfm)

### Please Note:

*Problems arise each year where students select inappropriate options and find after a month or so that they cannot cope. Some students limit their career opportunities by making poor choices. Check out the career opportunities section of this Senior Curriculum Handbook.*

Please ensure that your choice of options is matched to your ability to achieve in that subject – ask your teachers if you are in doubt!

It is important you **complete an outline** of your proposed year 12 and year 13 course on your **subject choice form**.

### Need additional help or guidance?

- First, ask your subject teacher or house group teacher
- Then, ask the Year 11 Dean - Mr. Withiel  
[mwithiel@kaitaiacollege.school.nz](mailto:mwithiel@kaitaiacollege.school.nz)
- Then the Careers Advisor [jfowke@kaitaiacollege.school.nz](mailto:jfowke@kaitaiacollege.school.nz)

# Year 11 Subject Summary

Subject	Code	Fee	Entry
<b>English</b>			
ENGLISH Extension	L1ENX	\$10	HoD/teacher recommendation
ENGLISH	L1ENG	\$10	HoD/teacher recommendation
ENGLISH Practical	L1ENP	\$10	HoD/teacher recommendation
<b>Mathematics</b>			
MATHEMATICS Extension	L1MAX	NIL	HoD/teacher recommendation
MATHEMATICS	L1MAT	NIL	HoD/teacher recommendation
MATHEMATICS Practical	L1MAP	NIL	HoD/teacher recommendation
<b>English and Mathematics courses will be confirmed by your results in the end of year examinations</b>			
<b>Science</b>			
SCIENCE Extension	L1SCX		HoD/teacher recommendation
SCIENCE	L1SCI		HoD/teacher recommendation
SCIENCE Practical	L1SCP		HoD/teacher recommendation
ART	L1ART	\$30	Achieved in 10 Art, 10INA, 10 Graphics or HoD approval
COMPUTER TECHNOLOGY	L1CTE	\$10	Open
DANCE	L1DAN	\$15	High interest in Performing Arts
DRAMA	L1DRA	\$25	Achieved in 10 English, 10 Drama or HoD approval
ECONOMICS	L1ECO	\$30	Open, an advantage to have achieved in 10 Business Studies

# Year 11 Subject Summary (cont.)

Subject	Code	Fee	Entry
FASHION & DESIGN	L1FAD	\$10	Achieved in 10 Fashion & Design or HoD approval
FUTURE FOCUS	L1FJF	NIL	Open
HOSPITALITY	L1HOS	\$30	Open
GEOGRAPHY	L1GEO	NIL	Open
GERMAN	L1GER	NIL	Achieved in 10 German or HoD approval
GRAPHICS & DESIGN	L1GRA	\$20	Achieved in 10 Graphics or Art or HoD approval
HEALTH	L1HEA	NIL	Achieved in 10 English
HISTORY	L1HIS	\$10	Pursuing a course in either L1 English Extension or L1 English
INFORMATION MANAGEMENT	L1INM	\$20	Must have done 10INM or HoD approval
MECHANICAL ENGINEERING	L1MEC	\$25	Achieved in 10 Metalwork or HoD approval
MUSIC	L1MUS	\$30	Achieved in 10 Music or HoD approval
PHYSICAL EDUCATION Extension	L1PEX	NIL	Excellent participation in Physical Education in Years 9 and 10
PHYSICAL EDUCATION	L1PED	NIL	Complete a full year of Physical Education in Years 9 and 10
SOCIAL STUDIES	L1SOS	NIL	Open
SPANISH	L1SPA	NIL	Achieved in 10 SPA
TE REO MAORI	L1TRM	TRAVEL	Achieved in 10 Te Reo Maori
VIDEO TECHNOLOGY	L1VID	\$25	Open
MATERIALS TECHNOLOGY - Wood	L1WWK	NIL	Achieved in 10 Woodwork, or HoD/TiC approval

# Year 12 Subject Information

## English is compulsory

As a result of your skill development and achievement up to the end of the year, you will be placed into the English course most suited to your ability. The difference between the courses is based on the method of assessment and the pace of the class:

- *L2ENX (English Extension) is based on mainly Achievement Standard. This course prepares students for tertiary study in the future.*
- *L2ENG (English) is based on both Achievement and Unit Standards. This course allows students to pursue either tertiary education or employment at the end of their schooling.*
- *L2ENP (Practical English) is a practical English course, based on internally assessed Unit Standards. This course prepares students for the demands of the workforce.*

## All students should be doing a course in Mathematics

There are three distinct and quite separate courses.

- *L2MAC (Mathematics with Calculus) This course leads to L3MAC and L3MAS or both.*
- *12MAS (Mathematics with Statistics) This course leads only to L3MAS.*
- *12MAP (Mathematics) Note this course does not lead to a Level 3 course. This course is most suited to students who have completed L1MAP and would like to continue Mathematics in Year 12.*

## A Year 12 programme of study could include:

- 6 options including NCEA Level 2
- 6 options including NCEA Level 2 and NCEA Level 3
- 6 options including NCEA Level 2 and NCEA Level 1
- All students will study a course of English, Mathematics and 4 other options.

Students select the subject combinations that add to a full year. The subjects to choose from are found in the Subject Information section of this Senior Curriculum Handbook or on the Kaitaia College website:

[http://communities.co.nz/kaitaia\\_college/Curriculum\\_Guide.cfm](http://communities.co.nz/kaitaia_college/Curriculum_Guide.cfm)

All NCEA Level 2 subjects are a mixture of internal and external assessment. You will need to consider the following when choosing your course of study in Year 12:

- your academic achievement
- your educational goals and
- your ability

Course selection this year is very important as it leads to Year 13 and future employment tertiary training opportunities. If you intend going on to Year 13, you must complete an outline of your proposed Year 13 course.

*Check out:*

- *Curriculum details with the subject teacher*
- *Subject pathways with HoDs, Deans and the Careers Advisor*
- *Fees and pre-requisites on the Subject Information pages.*

## Need additional help or guidance?

- First, ask your subject teacher or house group teacher
- Then, ask the Year 12 Dean - Ms. Lockie  
[slockie@kaitaiacollege.school.nz](mailto:slockie@kaitaiacollege.school.nz)
- Then the Careers Advisor [jfowke@kaitaiacollege.school.nz](mailto:jfowke@kaitaiacollege.school.nz)

# Year 12 Subject Summary

Subject	Code	Fee	Entry
<b>English</b>			
ENGLISH Extension	L2ENX	\$10	Minimum of 16 credits at Level 1 English
ENGLISH	L2ENG	\$10	Minimum of 15 credits at Level 1 English
ENGLISH Practical	12ENP	\$10	Minimum of 12 credits at Level 1 English
<b>Mathematics</b>			
MATHEMATICS with Calculus	L2MAC	NIL	Minimum of 15 credits at Level 1 Mathematics including Algebra (1.1), Graphs (1.2) and Right-angled Triangles (1.8)
MATHEMATICS with Statistics	12MAS	NIL	Minimum of 15 credits at Level 1 Mathematics including Unit Standards 5223, 5224, and 5225
MATHEMATICS	12MAP	NIL	Minimum of 10 credits at Level 1 Mathematics
<b>English and Mathematics courses will be confirmed by your results in the end of year examinations</b>			
ACCOUNTING	L2ACC	\$30	Minimum of 12 credits in Level 1 Accounting
ART	L2ART	\$45	Achieved in Panels (1.3) & at least 1 internally assessed standard
AUTOMOTIVE ENGINEERING	L2AUT	\$35	Open, preference given to those who have achieved in Level 1 Mechanical Engineering
BIOLOGY	L2BIO	\$30	Minimum of 16 credits in Level 1 Science including AS 1.3
CERAMICS	12CER	\$50	Open
CHEMISTRY	L2CHE	\$40	Minimum of 16 credits in Level 1 Science including AS 1.4
CONSTRUCTION SKILLS	12COS	\$90	Minimum of 9 credits in Level 1 Woodwork
COMPUTER TECHNOLOGY	L2ICT	\$10	Preference given to L1CTE students
DANCE	L2DAN	\$15	24 credits in Level 1 Dance
DRAMA	L2DRA	\$30	Minimum of 16 credits in Level 1 Drama

# Year 12 Subject Summary (cont.)

Subject	Code	Fee	Entry
ECONOMICS	L2ECO	\$30	Minimum of 12 credits in Level 1 Economics
FASHION & DESIGN	L2FAD	\$10	Minimum of 12 credits in Level 1 Fashion & Design
FUTURE FOCUS	L2FPY	NIL	Preference given to L1FJY
HOSPITALITY	L2HOS	\$40	Minimum of 14 credits in Level 1 Hospitality and must have achieved US 15620
GEOGRAPHY	L2GEO	NIL	Minimum of 11 credits in Level 1 Geography
GERMAN	L2GER	NIL	Completion of Level 1 German or approval from teacher in charge
GRAPHICS & DESIGN	L2GRA	\$20	Minimum of 9 credits in Level 1 Graphics
HEALTH & SOCIETY	L2HEA	NIL	Minimum of 14 credits in Level 1 Health with at least 8 at merit level
HISTORY	L2HIS	\$10	Minimum of 12 credits in Level 1 English Extension
INFORMATION COMMUNICATION TECHNOLOGY	L2ICT	\$26	8 credits from AS 90034, 90035 or 90036 Information Management or HOD approval
INFORMATION COMMUNICATION TECHNOLOGY	12ICT	\$15	A two year course. Preference for L1CTE students or HoD approval
TE REO MAORI	L2TRM	NIL	Achieved in Level 1 Te Reo Maori
MAORI PERFORMING ARTS	L2MPA	NIL	Open
MECHANICAL ENGINEERING	L2MEC	\$35	Achieved in Level 1 Mechanical Engineer
MOTOR BODY TRADES	L2MBT	\$35	Achieved in Level 1 Mechanical Engineer
MUSIC	L2MUS	\$35	Minimum of 12 credits at Level 1 Music
PHYSICAL EDUCATION Extension	L2PEX	NIL	Minimum of 13 credits at Level 1 Physical Education Extension
PHYSICAL EDUCATION	L2PED	\$50	Minimum of 12 credits in Level 1 Physical Education
PHYSICS	L2PHY	\$25	Minimum of 16 credits in Level 1 Science achievement standards and 12 credits in Level 1 Mathematics achievement standards. Science credits include Physical World (1.6).

# Year 12 Subject Summary (cont.)

Subject	Code	Fee	Entry
SCIENCE	12SCP	\$40	Minimum of 6 credits in Level 1 Science
SOCIAL STUDIES	L2SOS	NIL	Minimum of 8 credits at Level 1 English
TOURISM	12TOR	\$25	Minimum of 12 credits in Level 1 English and good attendance record
YOUNG ENTERPRISE SCHEME	L2YES		Minimum of 8 credits in Level 1 Economics/Accounting/English
VISUAL COMMUNICATIONS	L2VIS	\$25	Minimum of 8 credits in Level 1 English or HoD approval



# Year 13 Subject Information

In 2010, all students at present in Year 12 will be in Year 13 provided they have a **Head of Department approved course of study**.

It is crucial that you give serious thought to your academic aims and select courses to suit. Involve your parents, teachers and Heads of Department in your decision making.

## A Year 13 programme of study could include:

- 5 options at NCEA Level 3 and study
- Students must be taking 3 or more subjects from the approved subjects list
- 6 options including NCEA Level 3
- 6 options including NCEA Level 3 and NCEA Level 2

Subject information is found in the various sections of this Senior Curriculum Handbook or on the Kaitaia College website:

[http://communities.co.nz/kaitaia\\_college/Curriculum\\_Guide.cfm](http://communities.co.nz/kaitaia_college/Curriculum_Guide.cfm)

## Need additional help or guidance?

- First, ask your subject teacher or house group teacher
- Then, ask the Year 13 Dean - Mr. Downer  
[pdowner@kaitaiacollege.school.nz](mailto:pdowner@kaitaiacollege.school.nz)
- Then the Careers Advisor [jfowke@kaitaiacollege.school.nz](mailto:jfowke@kaitaiacollege.school.nz)

## Entrance to University and Tertiary Institutes

*How many NCEA credits are needed to get into University*

Level 1 or higher 14 Credits	Level 2 or higher 8 Credits	Level 3 or higher 42 Credits
		14 Credits Two approved subjects or from not more than two domains
	4 Credits Writing	14 Credits One approved subject
14 Credits Maths or Pangarau	4 Credits Reading	14 Credits One approved subject

## Approved Subject List

- |   |  |  |
|---|--|--|
| <ul style="list-style-type: none"> <li>• Accounting</li> <li>• Agriculture &amp; Horticulture</li> <li>• Biology</li> <li>• Chemistry</li> <li>• Chinese</li> <li>• Classical Studies</li> <li>• Computing</li> <li>• Cook Islands Maori</li> <li>• Dance</li> <li>• Design (Practical Art)</li> <li>• Drama</li> <li>• Economics</li> <li>• English</li> <li>• French</li> </ul> | <ul style="list-style-type: none"> <li>• Geography</li> <li>• German</li> <li>• Graphics</li> <li>• Health Education</li> <li>• History</li> <li>• History of Art</li> <li>• Indonesian</li> <li>• Japanese</li> <li>• Korean</li> <li>• Latin</li> <li>• Mathematics with Calculus</li> <li>• Statistics and Modelling</li> <li>• Media Studies</li> <li>• Music Studies</li> </ul> | <ul style="list-style-type: none"> <li>• Painting (Practical Art)</li> <li>• Photography (Practical Art)</li> <li>• Physical Education</li> <li>• Physics</li> <li>• Printmaking (Practical Art)</li> <li>• Samoan</li> <li>• Science</li> <li>• Sculpture (Practical Art)</li> <li>• Spanish</li> <li>• Social Studies</li> <li>• Technology</li> <li>• Te Reo Rangatira<br/>or Te Reo Maori</li> </ul> |
|---|--|--|

To see an approved list of literary credits for University Entrance:

[www.nzqa.govt.nz/ncea/forstudents/ue/litreqs.html](http://www.nzqa.govt.nz/ncea/forstudents/ue/litreqs.html)

# Year 13 Subject Summary

Subject	Code	Fee	Entry
ACCOUNTING	L3ACC	\$20	Minimum of 12 credits in Level 2 Accounting
ART	L3ART	\$45	Minimum of 12 credits in Level 2 Art
AUTOMOTIVE ENGINEERING	13AUT	\$35	Completion of either Level 2 Automotive Engineering or Level 2 Mechanical Engineering
BIOLOGY	L3BIO	\$30	Minimum of 16 credits in Level 2 Biology
CHEMISTRY	L3CHE	\$40	Minimum of 16 credits in Level 2 Chemistry
CONSTRUCTION SKILLS	13COS	\$90	Completion of the NC in Elementary Construction Skills
DANCE	L3DAN	\$15	Achieved in Level 1/2 Dance or at discretion of dance teacher
DRAMA	L3DRA	\$35	Minimum of 14 credits in Level 2 Drama
ECONOMICS	ECO3	\$30	Minimum of 12 credits in Level 2 Economics
ENGLISH Extension	L3ENX	\$10	Minimum of 16 credits at Level 2 English, including formal writing
ENGLISH	L3ENG	\$10	Minimum of 15 credits at Level 2 English
CLASSICAL STUDIES	L3ECS	\$10	Minimum of 16 credits at Level 2 History or Level 2 English
FASHION & DESIGN	L3FAD	\$10	Minimum of 12 credits in Level 2 Fashion & Design
HOSPITALITY	L3HOS	\$40	Minimum of 12 credits in Level 2 Hospitality
GEOGRAPHY	L3GEO	NIL	Minimum of 11 credits in Level 2 Geography
GERMAN	L3GER	NIL	Minimum of 12 credits in Level 2 German
GRAPHICS & DESIGN	L3GRA	\$20	Minimum of 12 credits in Level 2 Graphics
HEALTH & SOCIETY	L3HEA	NIL	Minimum of 12 credits in Level 2 Health or a minimum of 16 credits at Level 2 English, including Formal Writing and at least one external pass
HISTORY	L3HIS	\$10	Minimum of 12 credits in Level 2 English

# Year 13 Subject Summary (cont.)

Subject	Code	Fee	Entry
INFORMATION COMMUNICATION TECHNOLOGY	L3ICT	\$26	Minimum of 16 credits in either AS 90342 or 90349 L1ICT, plus any other 3 L2ICT, or HoD discretion
INFORMATION COMMUNICATION TECHNOLOGY	13ICT	\$15	Must have done 12ICT or HoD discretion
MATHEMATICS with Calculus	L3MAC	NIL	Minimum of 13 credits in Level 2 Mathematics including Algebra (2.1), Graphs (2.2), and Calculus (2.3)
MATHEMATICS with Statistics	L3MAS	NIL	Minimum of 13 credits in Level 2 Mathematics including Algebra (2.1), Graphs (2.2)
MOTOR BODY TRADES	13MBT	\$35	Completion of Level 2 Motor Body Trades
MUSIC	L3MUS	\$35	Minimum of 12 credits in Level 2 Music
PHYSICAL EDUCATION Extension	L3PEX	NIL	Minimum of 13 credits in Level 2 Physical Education Extension
PHYSICAL EDUCATION	L3PED	NIL	Minimum of 12 credits in Level 2 Physical Education
PHYSICS	L3PHY	\$25	Minimum of 16 credits in Level 2 Physics and 12 achievement standard credits in Level 2 Mathematics
TE REO MAORI	L3TRM	NIL	Completion of Level 2 Te Reo Maori
TOURISM	13TOR	\$25	Completion of 12 Tourism
VISUAL COMMUNICATIONS	L3VIS	\$25	Minimum of 8 credits in Level 2 English or Film and Electronic Media or HoD discretion

# Subject Pathways & Entry

## Pathways

The courses offered by each department are shown on the pages that follow.

The flow diagram shows what courses are offered at Levels 1, 2, and 3.

- Main Pathway
- Alternative Pathway

### Entry to Level 1 subjects

This is usually based on the Year 10 end-of-year examination or assessment grades for English, Mathematics, Science and Social Studies.

The class teacher and HoD will place students in a course based upon their achievement. These decisions will be confirmed or altered using student achievement in the November Junior Examinations or assessments.

### Entry to Level 2 subjects

The level of difficulty of Level 2 subjects requires a certain level of achievement in Level 1. Students will be provisionally accepted into courses and this will be confirmed by the student's final results *e.g. by getting 12 credits in particular subject*.

Some subjects specify achieving in a particular Achievement Standard, or even a specified grade in a particular standard. Where a completely inappropriate choice has been made, the Careers Advisor/year level Dean will speak with that student.

### Entry to Level 3 subjects

The level of difficulty of Level 3 subjects requires a certain level of achievement in Level 2; as a consequence, most Level 3 courses have pre-requisites. Entry is based on progress to date and is confirmed by the by the student's final results.

Students will be provisionally accepted into courses and this will be confirmed by the student's final results *e.g. by getting 12 credits in particular subject*.

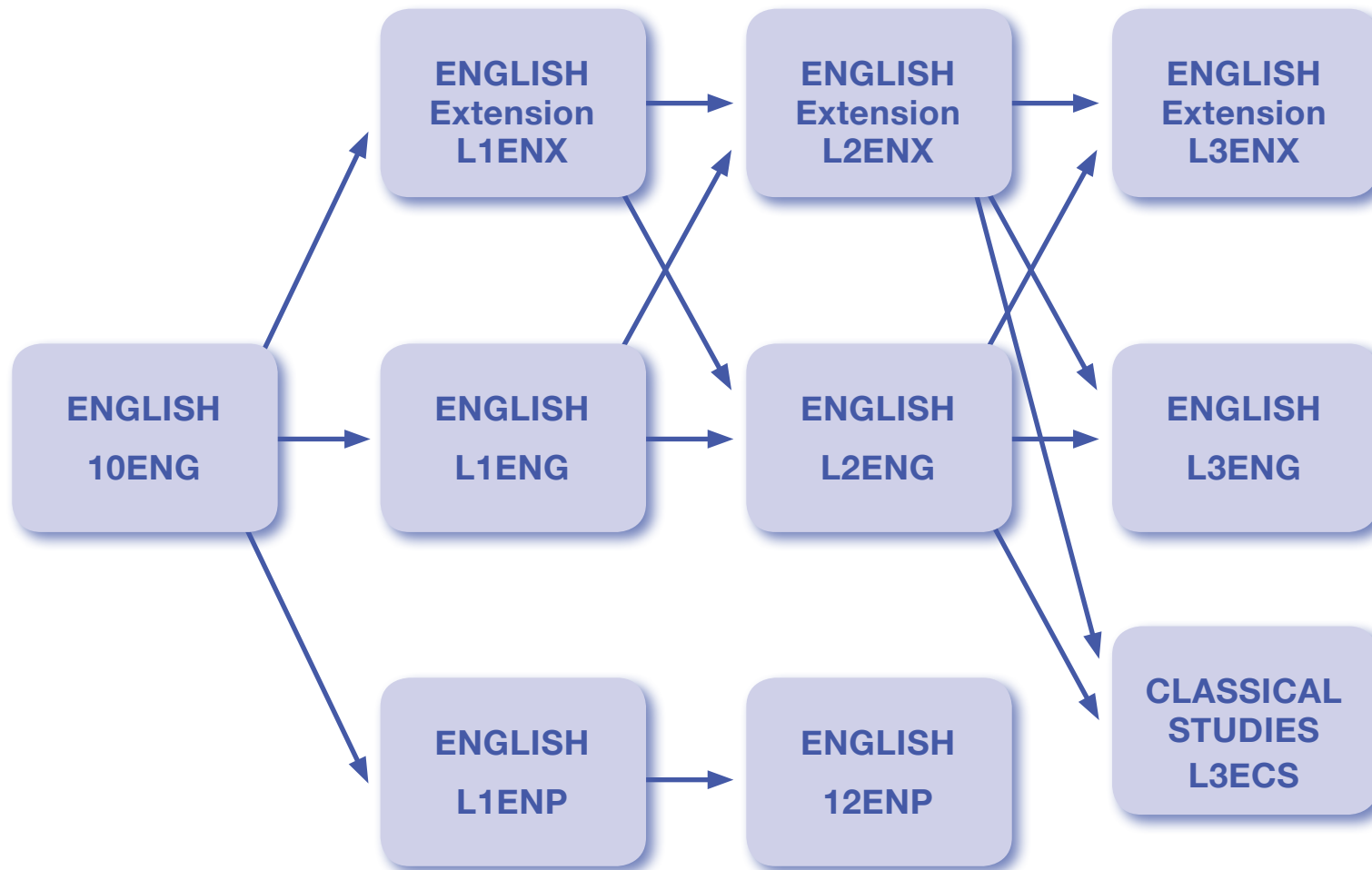
In exceptional cases, students can apply to the HoD for entry.

## Prerequisites

**These are the recommended minimum levels of achievement you need to enter that course e.g. 12 credits**

These prerequisites are based on our experience; we believe that students who do not meet the prerequisites will have difficulty coping in that subject next year.

# English



## Possible Future Pathways

- Trades
- Armed Forces
- Broadcaster
- Reporter
- Interpreter
- Training Consultant
- Librarian
- Curator
- Marketing Manager
- Communications
- Reviewer
- Teacher
- Editor
- Lawyer
- Publisher

**See career pages for further information**

**English is the study of language and literature. It teaches students how to critically evaluate the world around them through what they read, see and hear.**

<b>Course Title Course Code</b>	<b>Level 1 English Extension L1ENX</b>	<b>Level 1 English L1ENG</b>	<b>Level 1 English Practical L1ENP</b>
<b>Entry</b>	Determined by work ethic and achievement in Year 10. Approval from HoD	Determined by work ethic and achievement in Year 10. Approval from HoD	Determined by work ethic and achievement in Year 10. Approval from HoD
<b>Qualification</b>	NCEA Level 1	NCEA Level 1	NCEA Level 1
<b>Assessment</b>	By Achievement Standards: 19 Credits • 10 credits externally assessed • 9 credits internally assessed	By Achievement Standards: 14 Credits • 8 credits externally assessed • 13 credits internally assessed	By Unit Standards: 21 Possible credits • All credits internally assessed
<b>Content</b>	<ul style="list-style-type: none"> <li>• Wide reading</li> <li>• Formal writing</li> <li>• Creative writing</li> <li>• Formal speech</li> <li>• Language</li> <li>• Research</li> <li>• Literature study - film</li> <li>• Literature study - novel</li> </ul>	<ul style="list-style-type: none"> <li>• Wide reading</li> <li>• Viewing - moving and static images</li> <li>• Listening</li> <li>• Formal writing</li> <li>• Language</li> <li>• Research</li> <li>• Static image production</li> <li>• Literature study - film</li> </ul>	<ul style="list-style-type: none"> <li>• Reading</li> <li>• Viewing - moving and static images</li> <li>• Listening</li> <li>• Formal writing</li> <li>• Creative writing</li> <li>• Static image production</li> </ul>

**English is the study of language and literature. It teaches students how to critically evaluate the world around them through what they read, see and hear.**

<b>Course Title Course Code</b>	<b>Level 2 English Extension L2ENX</b>	<b>Level 2 English L2ENG</b>	<b>Level 2 English Practical 12ENP</b>
<b>Entry</b>	Entry 16 credits in L1ENX or approval from HoD	Entry 15 credits in L1ENG or approval from HoD	12 credits in L1ENP or approval from HoD
<b>Qualification</b>	NCEA Level 2	NCEA Level 2	NCEA Level 1 and Level 2
<b>Assessment</b>	By Achievement Standards: 21 Credits <ul style="list-style-type: none"> <li>• 9 credits externally assessed</li> <li>• 16 credits internally assessed</li> </ul>	By Achievement Standards: 6 Credits <ul style="list-style-type: none"> <li>• 6 credits externally assessed</li> <li>• 15 credits internally assessed</li> </ul>	By Unit Standards: 19 Possible credits <ul style="list-style-type: none"> <li>• All credits internally assessed</li> </ul>
<b>Content</b>	<ul style="list-style-type: none"> <li>• Literature study - Shakespeare</li> <li>• Literature study - film</li> <li>• Formal writing</li> <li>• Creative writing</li> <li>• Unfamiliar texts</li> <li>• Personal investigation into language or literature topic</li> <li>• Oral presentation</li> <li>• Wide reading</li> </ul>	<ul style="list-style-type: none"> <li>• Formal writing</li> <li>• Literature study - film</li> <li>• Unfamiliar texts</li> <li>• Wide reading</li> <li>• Static image study</li> </ul>	<ul style="list-style-type: none"> <li>• Reading</li> <li>• Formal writing</li> <li>• Poetic writing</li> <li>• Perform and evaluate the performance</li> <li>• Present static images</li> </ul>

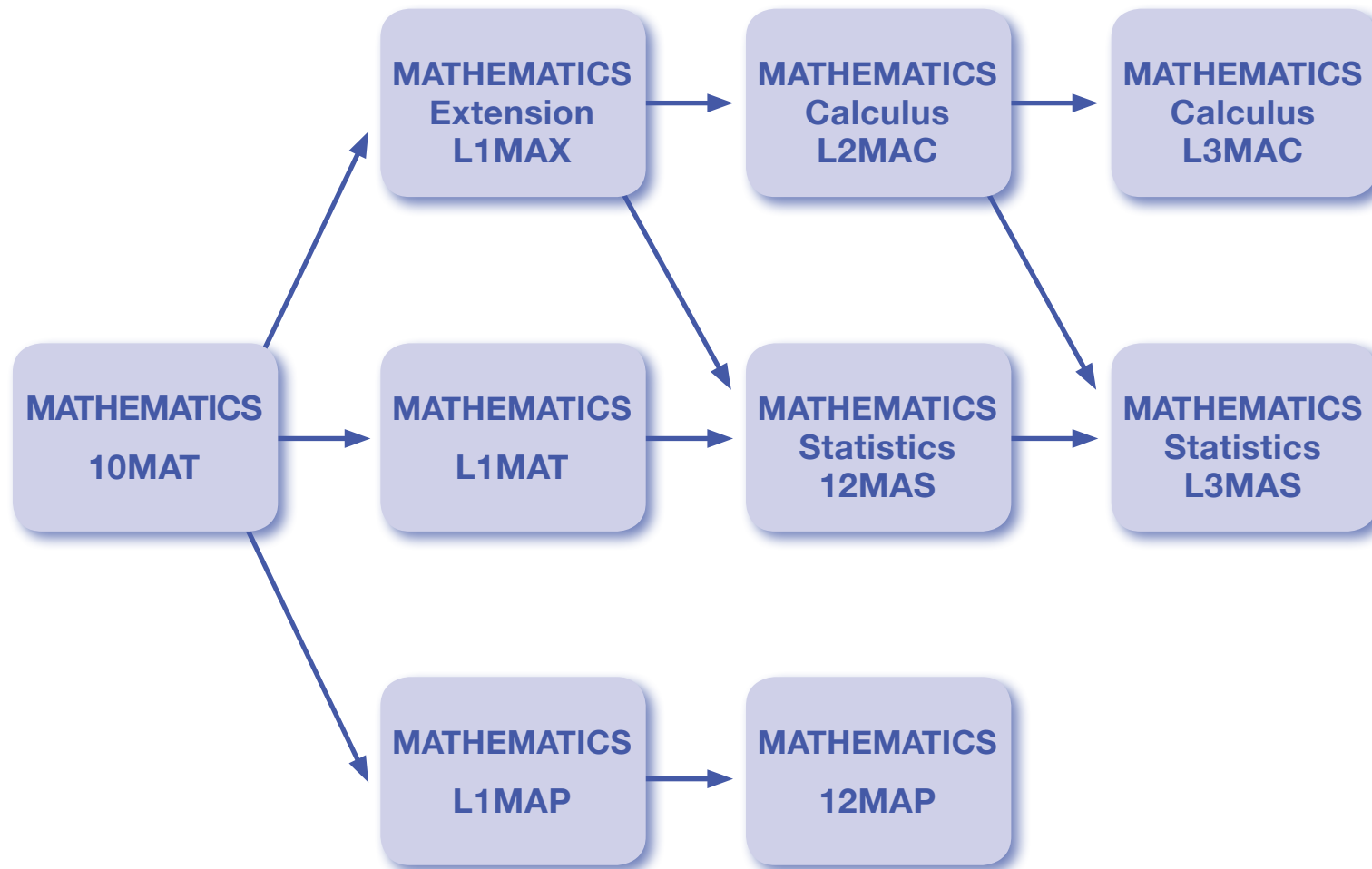
**Enquiries**      **Ms. E Wilson - Head of Department**

**English is the study of language and literature. It teaches students how to critically evaluate the world around them through what they read, see and hear.**

<b>Course Title Course Code</b>	<b>Level 3 English Extension L3ENX</b>	<b>Level 3 English L3ENG</b>	<b>Level 3 Classical Studies L3ECS</b>
<b>Entry</b>	Entry 16 credits in L2ENX or approval from HoD	Entry 15 credits in L2ENG or L2ENX or approval from HoD	16 credits in L2ENG or L2HIS or approval from HoD
<b>Qualification</b>	NCEA Level 3	NCEA Level 3	NCEA Level 3
<b>Assessment</b>	By Achievement Standards: 24 Credits <ul style="list-style-type: none"> <li>• 14 credits externally assessed</li> <li>• 10 credits internally assessed</li> </ul>	By Achievement Standards: 8 credits <ul style="list-style-type: none"> <li>• 0 credits externally assessed</li> <li>• 17 credits internally assessed</li> </ul>	By Achievement Standards: 24 credits <ul style="list-style-type: none"> <li>• 18 credits externally assessed</li> <li>• 6 credits internally assessed</li> </ul>
<b>Content</b>	<ul style="list-style-type: none"> <li>• Literature study - Shakespeare</li> <li>• Literature study - extended text</li> <li>• Literature study - film</li> <li>• Writing - extended</li> <li>• Unfamiliar texts</li> <li>• Personal investigation into language or literature topic</li> <li>• Oral presentation</li> </ul>	<ul style="list-style-type: none"> <li>• Writing - formal and creative</li> <li>• Moving images study</li> <li>• Static images study</li> </ul>	<ul style="list-style-type: none"> <li>• Art History - the study of Greek vases</li> <li>• Classical Literature - the study of Virgil's <i>Aeneid</i></li> <li>• History - The Roman Empire and the rise of Augustus (44BC - AD14)</li> </ul>



# Mathematics



## Possible Future Pathways

*Calculus is very important in:*  
Tertiary courses in  
Mathematics, Chemistry,  
Physics, Engineering,  
Structural Design,  
Economics, Architecture or  
any career that has a major  
mathematical component.

*Statistics leads to careers in:*  
Business Studies,  
Commerce, Education,  
Geography, Health Studies,  
Marketing, Nursing, Politics,  
Psychology, Social Work,  
Journalism, Town Planning  
- any career involving  
prediction, sampling and  
probability.

**See career pages for  
further information**

**Mathematics is the practical and theoretical study of numbers, shapes and patterns.**

<b>Course Title Course Code</b>	<b>Level 1 Mathematics Extension L1MAX</b>	<b>Level 1 Mathematics L1MAT</b>	<b>Level 1 Mathematics L1MAP</b>
<b>Entry</b>	Teacher/HoD selection in consultation with student	Teacher/HoD selection in consultation with student	Teacher/HoD selection in consultation with student
<b>Qualification</b>	NCEA Level 1	NCEA Level 1	NCEA Level 1
<b>Assessment</b>	By Achievement and Unit Standards: 32 Credits <ul style="list-style-type: none"> <li>• 16 credits externally assessed</li> <li>• 16 credits internally assessed</li> </ul>	By Achievement and Unit Standards: 32 Credits <ul style="list-style-type: none"> <li>• 16 credits externally assessed</li> <li>• 16 credits internally assessed</li> </ul>	By Achievement and Unit Standards: 18 Credits <ul style="list-style-type: none"> <li>• 4 credits externally assessed</li> <li>• 14 credits internally assessed</li> </ul>
<b>Content</b>	<ul style="list-style-type: none"> <li>• Algebraic manipulation and equation solving</li> <li>• Using and interpreting graphs</li> <li>• Measurement</li> <li>• Mathematical constructions and drawings</li> <li>• Use of statistics</li> <li>• Probability</li> <li>• Solving number problems</li> <li>• Simple trigonometry</li> <li>• Solving geometric problems</li> </ul>	<ul style="list-style-type: none"> <li>• Algebraic manipulation and equation solving</li> <li>• Using and interpreting graphs</li> <li>• Measurement</li> <li>• Mathematical constructions and drawings</li> <li>• Use of statistics</li> <li>• Probability</li> <li>• Solving number problems</li> <li>• Simple trigonometry</li> <li>• Solving geometric problems</li> </ul>	<ul style="list-style-type: none"> <li>• Measurement</li> <li>• Mathematical constructions and drawings</li> <li>• Interpreting graphs</li> <li>• Use of statistics</li> <li>• Probability</li> <li>• Solving simple number problems</li> <li>• Simple trigonometry</li> </ul>

**Enquiries**      **Mr. C Hedges - Head of Department**

**Mathematics is the practical and theoretical study of numbers, shapes and patterns.**

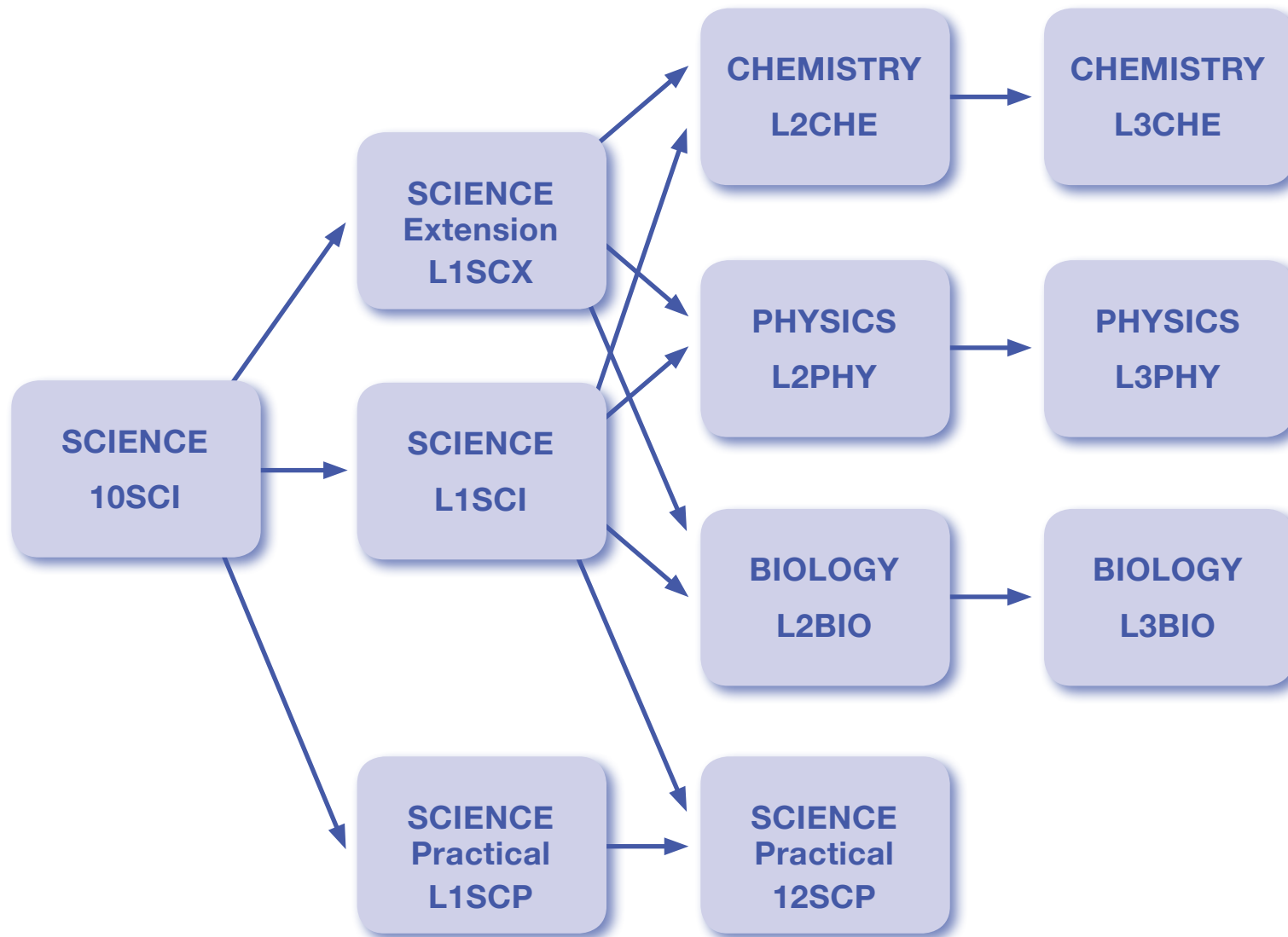
Course Title Course Code	Level 2 Mathematics <b>L2MAC</b>	Level 1/2 Mathematics <b>12MAS</b>	Level 1/2 Mathematics <b>12MAP</b>
Entry	15 Level 1 credits from <u>Achievement Standards</u> which <b>MUST</b> include 1.1 (algebra), 1.2 (graphs) and 1.8 (right angled triangle problems). Ideally 1.1 and 1.2 should be passed with at least merit. Otherwise by consultation	15 Level 1 credits which <b>MUST</b> include U.S 5223 <b>AND</b> U.S 5224 or U.S 5225. Otherwise by consultation	10 Level 1 credits. Otherwise by consultation
Qualification	NCEA Level 2	NCEA Level 1/2	NCEA Level 1/2
Assessment	By Achievement and Unit Standards: 32 Credits <ul style="list-style-type: none"> <li>• 17 credits externally assessed</li> <li>• 15 credits internally assessed</li> </ul>	By Achievement and Unit Standards: 29 Credits (10 Level 1 and 22 Level 2) <ul style="list-style-type: none"> <li>• 16 credits externally assessed (7 Level 1 and 9 Level 2)</li> <li>• 13 credits internally assessed (3 Level 1 and 10 Level 2)</li> </ul>	By Achievement and Unit Standards: 24 Credits (19 Level 1 and 5 Level 2) <ul style="list-style-type: none"> <li>• 6 credits externally assessed (6 Level 1 and 0 Level 2)</li> <li>• 16 credits internally assessed (11 Level 1 and 5 Level 2)</li> </ul>
Content	<ul style="list-style-type: none"> <li>• Algebraic manipulation and equation solving</li> <li>• Using and interpreting graphs</li> <li>• Introduction to calculus</li> <li>• Coordinate geometry</li> <li>• Sequences and series</li> <li>• Probability</li> <li>• Trigonometry and trigonometry equations</li> </ul>	<ul style="list-style-type: none"> <li>• Algebraic manipulation and equation solving</li> <li>• Using and interpreting graphs</li> <li>• Inferential statistics</li> <li>• Simulations and normal distributions</li> <li>• Sequences and series</li> <li>• Probability</li> <li>• Trigonometry</li> </ul>	<ul style="list-style-type: none"> <li>• Trigonometry</li> <li>• Solving number problems (including money problems)</li> <li>• Interpretation of tables and graphs</li> <li>• Introduction to algebra</li> </ul>

**Enquiries**      **Mr. C Hedges - Head of Department**

**Mathematics is the practical and theoretical study of numbers, shapes and patterns. It is possible to study both of these subjects at Level 3.**

<b>Course Title</b>	<b>Level 3 Mathematics with Calculus</b>	<b>Level 3 Mathematics with Statistics</b>
<b>Course Code</b>	<b>L3MAC</b>	<b>L3MAS</b>
<b>Entry</b>	A minimum of 13 Level 2 credits which must include 2.1 (algebra), 2.2 (graphs), and 2.3 (calculus). Otherwise by consultation	At least 12 Level 2 credits including 2.1 (algebra) and 2.2 (graphs). Otherwise by consultation
<b>Qualification</b>	NCEA Level 3	NCEA Level 3
<b>Assessment</b>	By Achievement Standards: 24 Credits <ul style="list-style-type: none"> <li>• 20 credits externally assessed</li> <li>• 4 credits internally assessed</li> </ul>	By Achievement Standards: 24 Credits <ul style="list-style-type: none"> <li>• 15 credits externally assessed</li> <li>• 9 credits internally assessed</li> </ul>
<b>Content</b>	<ul style="list-style-type: none"> <li>• Differentiation and its applications</li> <li>• Integration and its applications</li> <li>• Equation solving including complex numbers</li> <li>• Modelling using trigonometric equations</li> <li>• Conic sections</li> </ul>	<ul style="list-style-type: none"> <li>• Using trend lines</li> <li>• Calculating confidence intervals</li> <li>• Solving probability problems</li> <li>• Solving equations</li> <li>• Analysing bi-variate data</li> <li>• Using probability distributions</li> <li>• Solving problems using curve fitting</li> </ul>

# Sciences



## Possible Future Pathways

### *Biology*

- Medicine
- Nursing
- Technician
- Technologist
- Teaching
- Marine Biologist
- Zoologist
- Veterinarian/Vet Nurse

### *Chemistry*

- Pharmacist
- Bio-Chemist
- Industrial Chemist
- Forensic Scientist

### *Physics*

- Engineer
- Pilot
- Medicine
- Physicist
- Meteorology
- Geophysics
- Astronomy
- Medical Radiation Technician

**See career pages for further information**

**Science is the study of the world around us and is divided into four general areas - living world, material world, physical world and planet earth.**

<b>Course Title Course Code</b>	<b>Level 1 Science Extension L1SCX</b>	<b>Level 1 Science L1SCI</b>	<b>Level 1 Science Practical L1SCP</b>
<b>Entry</b>	Approval from Mr. Skrine based on Year 10 examination	Approval from Mr. Skrine based on Year 10 examination	Approval from Mr. Skrine based on Year 10 examination
<b>Qualification</b>	NCEA Level 1	NCEA Level 1	NCEA Level 1
<b>Assessment</b>	24 Credits By Achievement Standards • 6 credits internally assessed • 18 credits externally assessed	25 Credits in total By Achievement Standards • 4 credits internally assessed • 15 credits externally assessed By Unit Standards • 8 credits	20 Credits in total By Achievement Standards • 4 credits internally assessed By Unit Standards • 16 credits internally assessed
<b>Content</b>	Developing scientific skills through conducting investigations and research, and writing reports. Study of: • Living things and their interaction with each other and the environment (Biology) • Substances and the reactions of substances, metals, non-metals, carbon compounds, halogens (Chemistry) • Light, waves, motion, electricity and magnetism, thermal dynamics, (Physics) • The earth (geosphere) and atmosphere of earth	Developing scientific skills through investigation and reporting. Study of: • Living things and their interaction with each other and the environment (Biology) • Substances and the reactions of substances, metals, non-metals, carbon compounds, halogens (Chemistry) • Light, waves, motion, electricity and magnetism, thermal dynamics, (Physics) • The earth (geosphere) and atmosphere of earth	Developing scientific skills through investigation and reporting. Study of: • Living things and their interaction with each other and the environment (Biology) • Substances and the reactions of substances (Chemistry) • Motion, electricity and magnetism (Physics) • Earth science and weather

**Enquiries**

**Mr. P Skrine - Head of Department**

**Science is the study of the world around us and is divided into four general areas - living world, material world, physical world and planet earth.**

<b>Course Title</b> <b>Course Code</b>	<b>Level 2 Science</b> <b>12SCP</b>	<b>Level 2 Biology</b> <b>L2BIO</b>	<b>Level 2 Chemistry</b> <b>L2CHE</b>	<b>Level 2 Physics</b> <b>L2PHY</b>
<b>Entry</b>	Approval from Mr. Skrine	16 Level 1 science credits with 1.3 or approval from Mr. Skrine	16 Level 1 science credits with 1.4 or approval from Mr. Skrine	16 Level 1 science credits with 1.6 or approval from Mr. Skrine
<b>Qualification</b>	NCEA Level 2	NCEA Level 2	NCEA Level 2	NCEA Level 2
<b>Assessment</b>	By Achievement Standards 18 Credits • <i>All credits internally assessed</i>	By Achievement Standards 23 Credits • <i>5 credits internally assessed</i> • <i>18 credits externally assessed</i> By Unit Standards 8 Credits	By Achievement Standards 24 Credits • <i>7 credits internally assessed</i> • <i>17 credits externally assessed</i> By Unit Standards 12 Credits	By Achievement Standards 24 Credits • <i>17 credits internally assessed</i> • <i>7 credits externally assessed</i> No Unit Standards offered
<b>Content</b>	Using science investigation and laboratory skills	<ul style="list-style-type: none"> <li>• Ecology</li> <li>• Genetics</li> <li>• Cellular Structure</li> <li>• Diversity in animals and plants</li> </ul>	<ul style="list-style-type: none"> <li>• Chemicals and their reactions</li> <li>• Molecular structure</li> <li>• Reduction oxidation</li> <li>• Organic chemistry</li> <li>• Chemical reactivity</li> <li>• Aqueous chemistry</li> </ul>	<ul style="list-style-type: none"> <li>• Practical physics - experimental techniques</li> <li>• Waves, light and optics</li> <li>• Forces and motion</li> <li>• Electricity and electromagnetism</li> <li>• Atoms, nuclei and radioactivity</li> </ul>

**Enquiries**      **Mr. P Skrine - Head of Department**

Science is the study of the world around us and is divided into four general areas - living world, material world, physical world and planet earth.

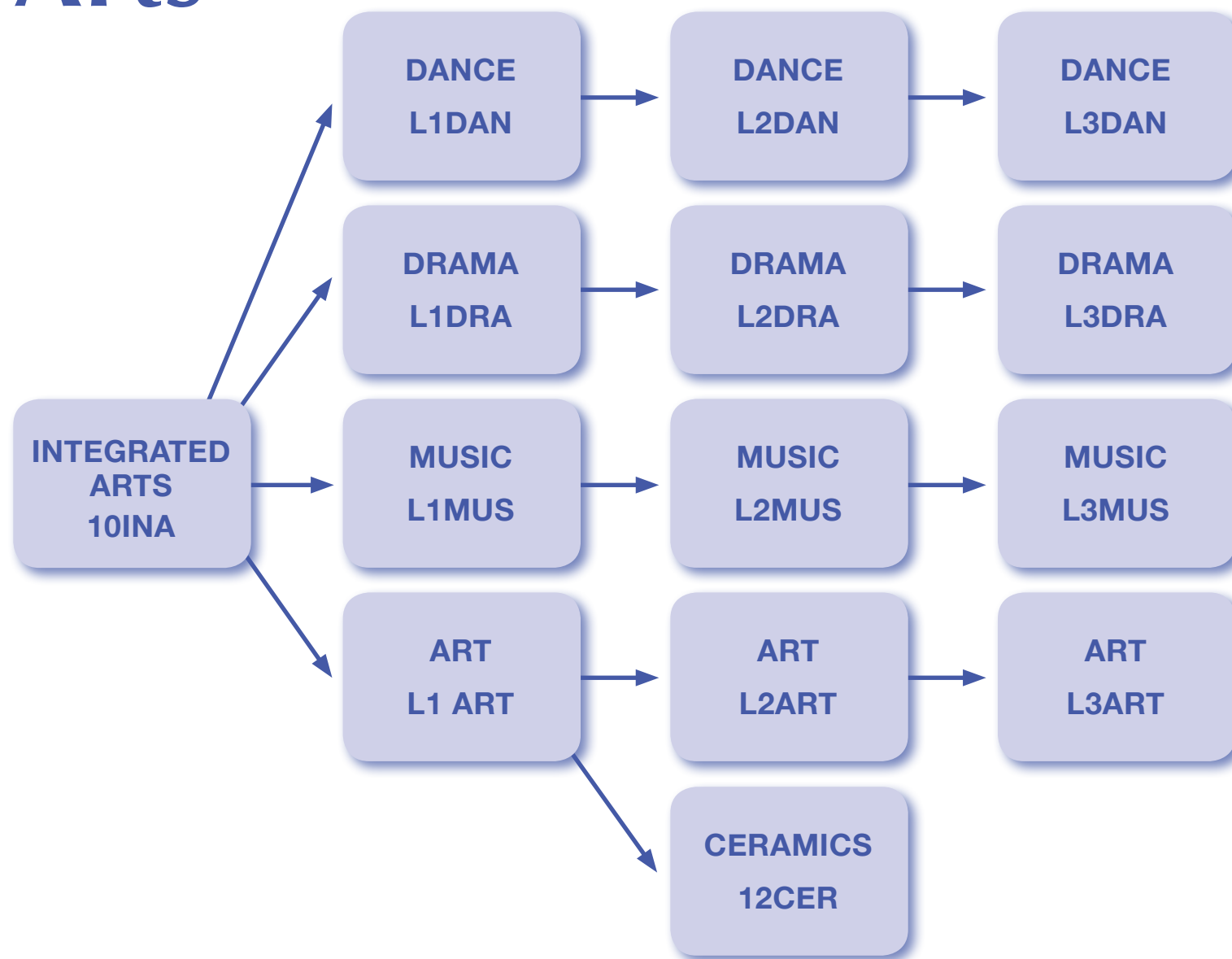
Course Title Course Code	Level 3 Biology L3BIO	Level 3 Chemistry L3CHE	Level 3 Physics L3PHY
Entry	16 Level 2 Biology credits or approval from Mr. Skrine	16 Level 2 Chemistry credits or approval from Mr. Skrine	16 Level 2 Physics credits or approval from Mr. Skrine
Qualification	NCEA Level 3	NCEA Level 3	NCEA Level 3
Assessment	By Achievement Standards: 24 Credits • 6 credits internally assessed • 18 credits externally assessed	By Achievement Standards: 20 credits • 2 credits internally assessed • 18 credits externally assessed	By Achievement Standards: 22 credits • 6 credits internally assessed • 16 credits externally assessed
Content	<ul style="list-style-type: none"> <li>• Evolution</li> <li>• Genetics</li> <li>• Biotechnology</li> </ul>	<ul style="list-style-type: none"> <li>• Structure and chemistry of elemental groups and their compounds</li> <li>• Thermo chemistry</li> <li>• Reduction oxidation</li> </ul>	<ul style="list-style-type: none"> <li>• Practical physics - advanced experimental techniques</li> <li>• Motion</li> <li>• Waves, diffraction, interference and the Doppler Effect</li> <li>• AC &amp; DC currents, electromagnetism</li> <li>• Modern and quantum physics</li> </ul>

Enquiries

Mr. P Skrine - *Head of Department*



# Arts



## Possible Future Pathways

### **Drama & Dance**

- Teaching
- Theatre
- Producer/Assistant
- Comedian
- Director
- Promoter
- Production Manager
- Events Manager

### **Dance**

- Dancer
- Model

### **Drama**

- Actor
- Television Presenter
- Lighting Technician
- Entertainer

### **Music**

- Promoter
- Stage Manager
- Events Manager
- Singer/Musician
- Teaching

### **Art**

- Artist
- Photographer
- Potter
- Artistic Director
- Teaching

**See career pages for further information**

**Art in Years 11 - 13 is predominantly a practical painting and drawing course, which also includes a written research component.**

<b>Course Title</b> <b>Course Code</b>	<b>Level 1 Art</b> <b>L1ART</b>	<b>Level 2 Art</b> <b>L2ART</b>	<b>Level 3 Art</b> <b>L3ART</b>
<b>Entry</b>	Students who have completed Year 10 Art, 10 Integrated Arts, or 10 Graphics	Entry 15 credits in L1ART	Entry 12 external L2ART credits
<b>Qualification</b>	NCEA Level 1	NCEA Level 2	NCEA Level 3
<b>Assessment</b>	By Achievement Standards: 20 Credits <ul style="list-style-type: none"> <li>• 12 credits externally assessed</li> <li>• 5 credits internally assessed</li> <li>• 3 credits internally assessed</li> </ul>	By Achievement Standards: 20 credits <ul style="list-style-type: none"> <li>• 12 credits externally assessed</li> <li>• 6 credits internally assessed</li> </ul>	By Achievement Standards: 18 credits <ul style="list-style-type: none"> <li>• 14 credits externally assessed</li> <li>• 4 credits internally assessed</li> </ul>
<b>Content</b>	<ul style="list-style-type: none"> <li>• Drawing from subject matter in a range of wet and dry media</li> <li>• Painting</li> <li>• Decision making</li> <li>• Researching two NZ artists</li> </ul>	<ul style="list-style-type: none"> <li>• Researching a range of art styles through a practical drawing study, and written investigation</li> <li>• Produce two panel boards of your own artworks using drawing and painting as a medium</li> <li>• Decision making</li> <li>• Generating artworks in paint</li> </ul>	<ul style="list-style-type: none"> <li>• Research a range of art styles through a practical and written investigation</li> <li>• Discover links and influences between selected artists within your research investigation</li> <li>• Produce a body of work within painting, on three panel boards</li> <li>• Generate and make decisions about artworks within painting</li> </ul>

**Enquiries**

**Mrs. N Tucker - Head of Department**

**Mr. D King - Teacher in Charge**

**This is a practical course in making artworks and domesticware (pottery) in clay. It includes handling of glazes, and firing. There is a small written component in a Technology Standard.**

**Course Title**      **Level 2 Ceramics**

**Course Code**      **L2CER**

**Entry**      Open to Year 12 and Year 13 students

**Qualification**      NCEA Level 1

**Assessment**      By Achievement Standards:  
• *4 credits internally assessed*

**Content**

- Investigate and perfect a range of hand-built and wheel-made techniques to produce artworks in clay
- Learn to apply and handle glazes
- Complete an investigation, both written and practical, to solve a technological problem
- Experience a range of pottery firing techniques

**Enquiries**      **Mrs. N Tucker - *Head of Department***      **Mr. D King - *Teacher in Charge***

Students work individually and collaboratively to explore their potential in performance and composition. They will also venture into aspects which involve interpretation and analysis of dance moves and research into dance backgrounds.

Course Title Course Code	Level 1 Dance L1DAN	Level 2 Dance L2DAN	Level 3 Dance L3DAN
Entry	Open	Entry 24 credits in L1DAN or approval from Mrs. Bellingham	Entry 24 credits in L2DAN or approval from Mrs. Bellingham
Qualification	NCEA Level 1	NCEA Level 2	NCEA Level 3
Assessment	By Achievement Standards: 24 Credits <ul style="list-style-type: none"> <li>• 8 credits externally assessed</li> <li>• 16 credits internally assessed</li> </ul>	By Achievement Standards: 24 credits <ul style="list-style-type: none"> <li>• 8 credits externally assessed</li> <li>• 16 credits internally assessed</li> </ul>	By Achievement Standards: 24 credits <ul style="list-style-type: none"> <li>• 8 credits externally assessed</li> <li>• 16 credits internally assessed</li> </ul>
Content	<ul style="list-style-type: none"> <li>• Compose movement sequences</li> <li>• Perform dance sequences</li> <li>• View/interpret and respond to dance performance</li> <li>• Demonstrate knowledge of a dance genre or style</li> </ul>	<ul style="list-style-type: none"> <li>• Choreograph dance for a solo/ group composition</li> <li>• Perform in a theatre dance work</li> <li>• Analyse and discuss a dance performance</li> <li>• Demonstrate knowledge of influences on a selected dance genre</li> </ul>	<ul style="list-style-type: none"> <li>• Produce dance for performance</li> <li>• Perform a solo/duet dance sequence</li> <li>• Perform in a choreographed group dance work</li> <li>• Analyse and evaluate a dance performance</li> <li>• Discuss the features and development of dance in Aotearoa/NZ</li> </ul>

Enquiries

Mrs. N Tucker - Head of Department

Mrs. C Bellingham - Teacher in Charge

**Performance, production and technical skills of the theatre. Students will work in a cooperative manner to devise, direct, analyse, reflect on a range of performances. Students will be involved in all aspects of public performances appropriate to their year level.**

<b>Course Title</b>	<b>Level 1 Drama</b>	<b>Level 2 Drama</b>	<b>Level 3 Drama</b>
<b>Course Code</b>	<b>L1DRA</b>	<b>L2DRA</b>	<b>L3DRA</b>
<b>Entry</b>	Achieved in 10 English, 10 Drama or HoD approval	16 credits in Level 1 Drama or HoD approval	14 credits in Level 2 Drama or HoD approval
<b>Qualification</b>	NCEA Level 1	NCEA Level 2	NCEA Level 3
<b>Assessment</b>	By Achievement Standards: 25 Credits <ul style="list-style-type: none"> <li>• 5 credits externally assessed</li> <li>• 20 credits internally assessed</li> </ul>	By Achievement Standards: 23 credits <ul style="list-style-type: none"> <li>• 5 credits externally assessed</li> <li>• 18 credits internally assessed</li> </ul>	By Achievement Standards: 24 credits <ul style="list-style-type: none"> <li>• 8 credits externally assessed</li> <li>• 16 credits internally assessed</li> </ul>
<b>Content</b>	<ul style="list-style-type: none"> <li>• Improvise performance</li> <li>• Use elements and conventions to devise structure and perform drama</li> <li>• Demonstrate knowledge of a drama theatre/form through practical presentation</li> <li>• Describe the techniques, elements, conventions and technologies of drama in a new context and reflect on performance</li> </ul>	<ul style="list-style-type: none"> <li>• Apply drama techniques in a group with scripted context</li> <li>• Structure, record and perform devised drama using elements and conventions</li> <li>• Apply knowledge of a drama/theatre form with a presentation</li> <li>• Devise a performance</li> <li>• Apply knowledge of and make judgements about drama processes and performance in a new context</li> </ul>	<ul style="list-style-type: none"> <li>• Interpret scripted text and integrate drama techniques in solo or paired performance</li> <li>• Devise script and perform drama for solo, duo or trio performance</li> <li>• Demonstrate knowledge of theatre form by analysing and interpreting two scripted text</li> <li>• Direct scene or whole play</li> <li>• Analyse drama processes in a new context and reflect critically on drama performance</li> </ul>

**Enquiries**

**Mrs. N Tucker - Head of Department**

**Students work individually and collaboratively to explore the potential of sounds and technologies for creating, interpreting, performing and representing music ideas.**

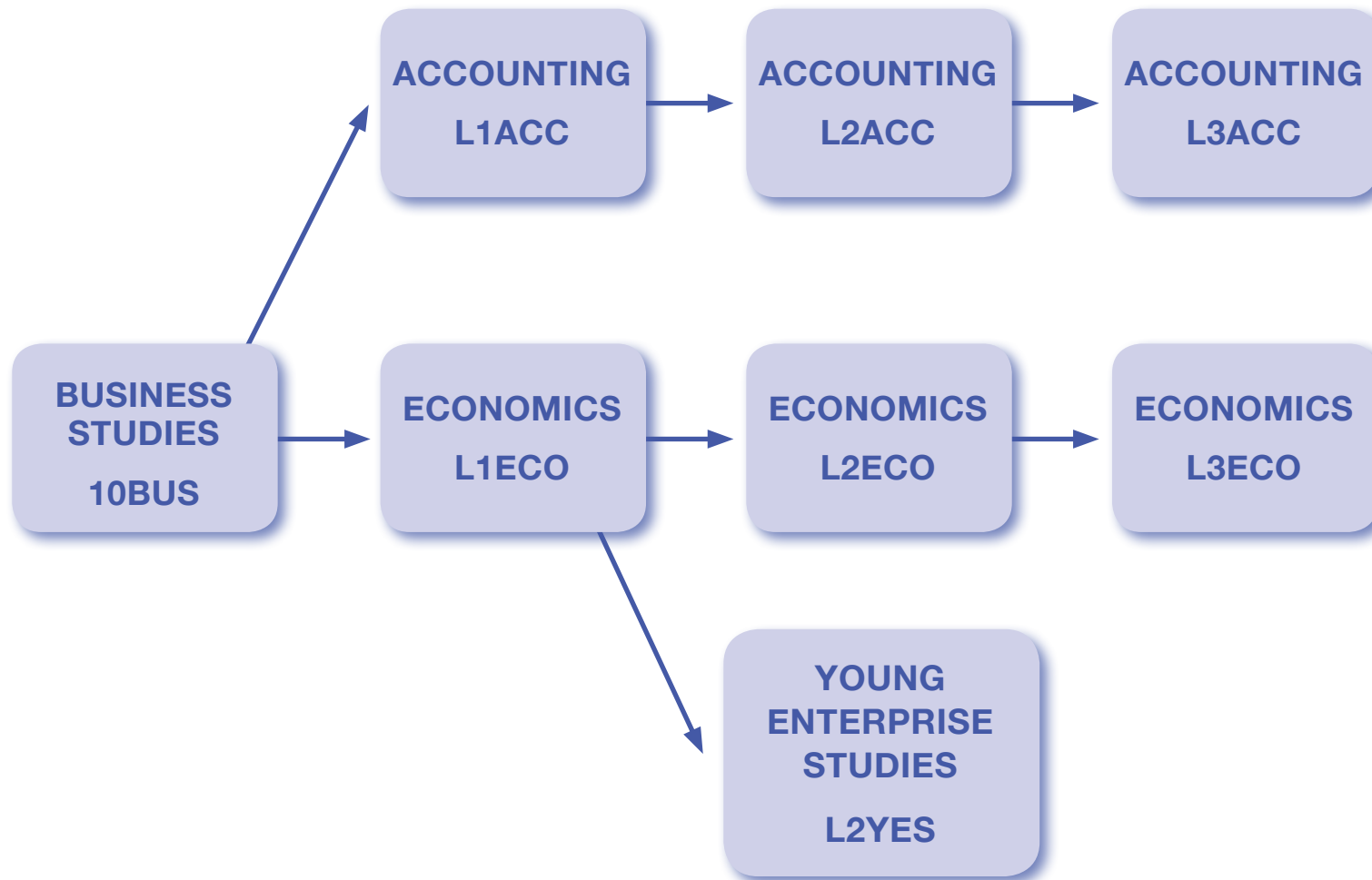
<b>Course Title</b> <b>Course Code</b>	<b>Level 1 Music</b> <b>L1MUS</b>	<b>Level 2 Music</b> <b>L2MUS</b>	<b>Level 3 Music</b> <b>L3MUS</b>
<b>Entry</b>	Completion of Year 10 Music or approval from Mrs. Chuck	12 credits in Level 1 Music or approval from Mrs. Chuck	12 credits in Level 2 Music or approval from Mrs. Chuck
<b>Qualification</b>	NCEA Level 1	NCEA Level 2	NCEA Level 3
<b>Assessment</b>	Each student completes an individual programme which consists of a combination of Achievement Standards and Unit Standards	Each student completes an individual programme which consists of a combination of Achievement Standards and Unit Standards Students may choose from Level 1 and 2 Standards	Each student completes an individual programme which consists of a combination of Achievement Standards and Unit Standards Students may choose Standards from all levels
<b>Content</b>	<ul style="list-style-type: none"> <li>• Perform to an audience as an individual and in a group</li> <li>• Compose music</li> <li>• Study music works</li> <li>• Learn the fundamentals of music</li> </ul>	<ul style="list-style-type: none"> <li>• Perform to an audience as an individual and in a group</li> <li>• Compose music</li> <li>• Analyse and research styles of music</li> <li>• Sound and recording technologies</li> </ul>	<ul style="list-style-type: none"> <li>• Perform to an audience as an individual and in a group</li> <li>• Compose music</li> <li>• Research and present a music topic</li> <li>• Examine harmonic and tonal principles</li> <li>• Artist self-management</li> </ul>

**Enquiries**

**Mrs. N Tucker - Head of Department**

**Mrs. L Chuck - Teacher in Charge**

# Commerce



## Possible Future Pathways

- Market Researcher
- Financial Advisor
- Retailing
- Sales
- Accountant
- Banking
- Management
- Government Departments
- Economist
- Analyst
- Researcher

**See career pages for further information**

**Accounting is the study of how we communicate financial information to businesses/organisations to help their decision making.**

<b>Course Title</b> <b>Course Code</b>	<b>Level 1 Accounting</b> <b>L1ACC</b>	<b>Level 2 Accounting</b> <b>L2ACC</b>	<b>Level 3 Accounting</b> <b>L3ACC</b>
<b>Entry</b>	Open	Entry 12 credits in L1ACC or approval from Mrs. Riley	12 credits in L2ACC or approval from Mrs. Riley
<b>Qualification</b>	NCEA Level 1	NCEA Level 2	NCEA Level 3
<b>Assessment</b>	By Achievement Standards: 24 Credits <ul style="list-style-type: none"> <li>• 17 credits externally assessed</li> <li>• 7 credits internally assessed</li> </ul>	By Achievement Standards: 24 credits <ul style="list-style-type: none"> <li>• 17 credits externally assessed</li> <li>• 7 credits internally assessed</li> </ul>	By Achievement Standards: 24 credits <ul style="list-style-type: none"> <li>• 19 credits externally assessed</li> <li>• 5 credits internally assessed</li> </ul>
<b>Content</b>	This course aims to promote knowledge and understanding of Accounting as a financial language for individuals, community organisations and businesses, and enable students to apply financial knowledge and skills to practical situations.	<ul style="list-style-type: none"> <li>• Designed to promote knowledge and understanding of Accounting as a financial language for trading and service businesses</li> <li>• Apply financial knowledge and skills to practical situations</li> <li>• Students will use computers and an Accounting package</li> </ul>	This course will promote knowledge and understanding of Accounting as a financial language for partnerships and companies, which may be service, trading or manufacturing businesses.

**Enquiries**      **Mrs. J Riley - Head of Department**



**Economics is the practical study of scarcity and its impact on society - how New Zealanders choose to manage our resources.**

Course Title Course Code	Level 1 Economics L1ECO	Level 2 Economics L2ECO	Level 3 Economics L3ECO
Entry	Open	Entry 12 credits in L1ECO or approval from Mrs. Riley	12 credits in L2ECO or approval from Mrs. Riley
Qualification	NCEA Level 1	NCEA Level 2	NCEA Level 3
Assessment	By Achievement Standards: 24 Credits <ul style="list-style-type: none"> <li>• 19 credits externally assessed</li> <li>• 5 credits internally assessed</li> </ul>	By Achievement Standards: 24 credits <ul style="list-style-type: none"> <li>• 18 credits externally assessed</li> <li>• 6 credits internally assessed</li> </ul>	By Achievement Standards: 24 credits <ul style="list-style-type: none"> <li>• 18 credits externally assessed</li> <li>• 6 credits internally assessed</li> </ul>
Content	<ul style="list-style-type: none"> <li>• Economic decision making of consumers and producers</li> <li>• What is the market system?</li> <li>• Provides students with an insight into how the New Zealand economy works.</li> </ul>	<ul style="list-style-type: none"> <li>• Study key New Zealand topics trade, inflation and growth</li> <li>• How does government and the economy work?</li> <li>• Understand current events in the world and how these impact on the New Zealand economy</li> </ul>	<ul style="list-style-type: none"> <li>• Study how individuals and firms interact at a local, national and international level</li> <li>• Why do governments make the decisions they make?</li> <li>• How do these decisions affect us?</li> </ul>

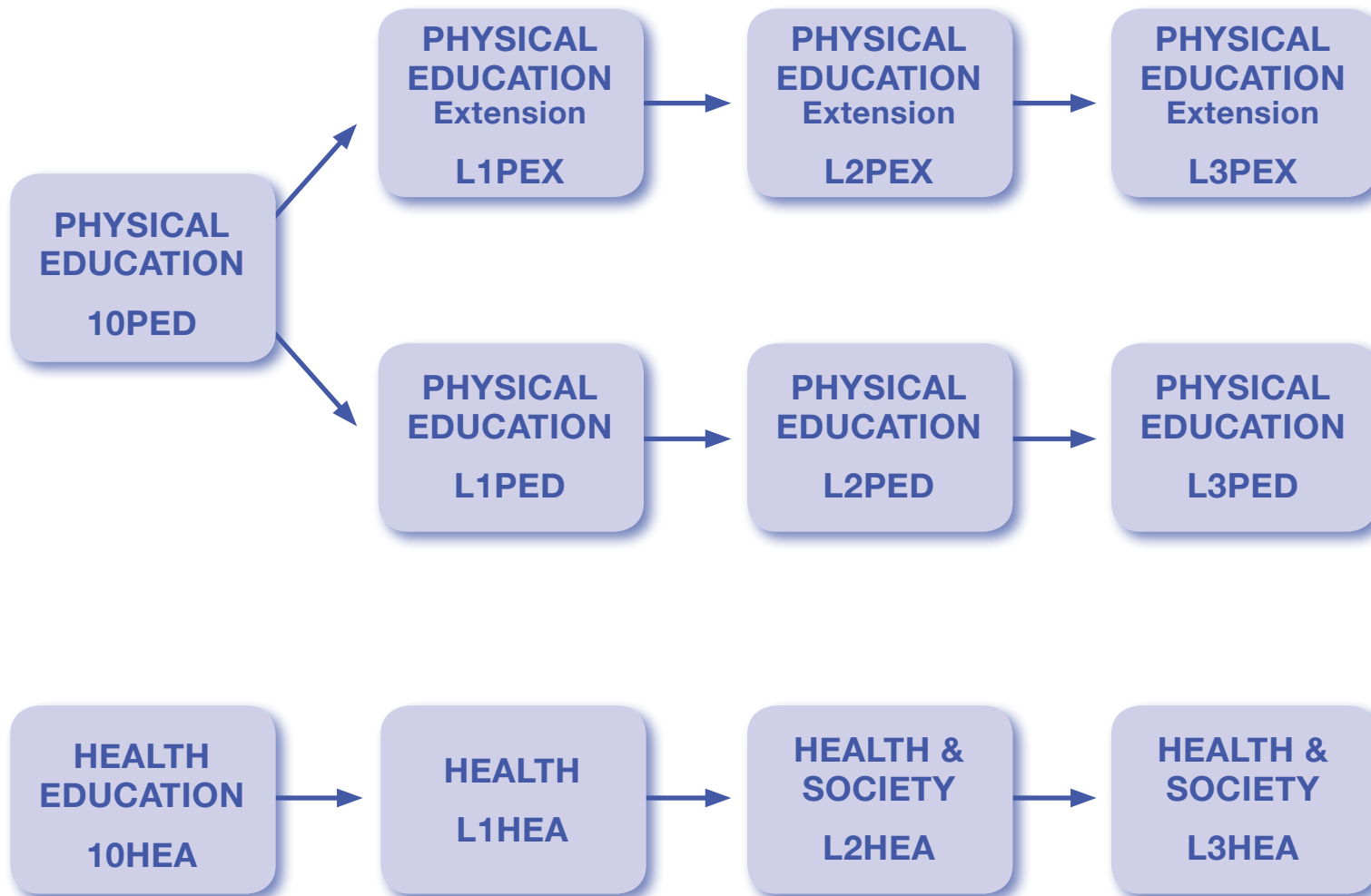
**Enquiries**      **Mrs. J Riley - Head of Department**

## Young Enterprise Scheme is administered by Enterprise New Zealand Trust.

<b>Course Title</b>	<b>Level 2 YES</b>
<b>Course Code</b>	<b>L2YES</b>
<b>Entry</b>	Minimum of 8 credits in L1ECO/L1ACC or students who have achieved a minimum of 8 credits in Level 1 English
<b>Qualification</b>	24 credits in Business Education NCEA Level 2 YES examination The Edge Advertising Competition
<b>Assessment</b>	By Achievement Standards: 24 credits <i>internally assessed</i> YES examination <i>externally assessed</i>
<b>Content</b>	It is a learning experience for young people in which senior secondary school students form a company; become directors; develop products and services; which they market and sell.  YES is school based and teaches skills in budgeting, planning, interpersonal relations, decision making, reporting, communications, risk management and teamwork.

**Enquiries**      **Mrs. J Riley - *Head of Department***

# Health & Physical Education



## Possible Future Pathways

- Teaching
- Fitness Industry
- Sports Coaching
- Sport & Recreation
- Armed Forces
- Police
- Personal Trainer
- Physiotherapist
- Nurse
- Public Health Nurse
- Plunket/Childcare Worker
- Obstetrician
- Mental Health Worker
- Physician

**See career pages for further information**

**Physical Education is the study of how the body functions in physical activity. Students learn about the anatomy, physiology, biomechanics and skill learning involved.**

<b>Course Title Course Code</b>	<b>Level 1 Physical Education Extension L1PEX</b>	<b>Level 2 Physical Education Extension L2PEX</b>	<b>Level 2 Physical Education Extension L3PEX</b>
<b>Entry</b>	Excellent participation in PE in Years 9 and 10	Entry 13 credits in L1PEX or approval from HoD	13 credits in L2PEX or approval from HoD
<b>Qualification</b>	NCEA Level 1	NCEA Level 2	NCEA Level 3
<b>Assessment</b>	By Achievement Standards: 20 Credits • <i>20 credits internally assessed</i>	By Achievement Standards: 19 credits • <i>19 credits internally assessed</i>	By Achievement Standards: 20 credits • <i>20 credits internally assessed</i>
<b>Content</b>	<ul style="list-style-type: none"> <li>• Sport and the media</li> <li>• Anatomy of the body</li> <li>• Biomechanics - how the body moves</li> <li>• Exercise physiology - the body's response to exercise</li> <li>• Analysing sports performance</li> <li>• Practical based performance</li> </ul>	<ul style="list-style-type: none"> <li>• Training methods and principles</li> <li>• Anatomy and biomechanics</li> <li>• How psychological skills can assist performance</li> <li>• Why is physical activity good for our health</li> <li>• Investigate the importance of major sporting events</li> <li>• Perform an activity to PE performance standards</li> </ul>	<ul style="list-style-type: none"> <li>• Apply knowledge to plan, implement and evaluate a physical activity programme</li> <li>• Appraise and evaluate performance in a physical activity</li> <li>• Perform a physical activity to nationally developed standards</li> <li>• Influence the participation of others in physical activity</li> <li>• Examine a physical activity that impacts on NZ society</li> </ul>

**Enquiries**

**Mr. W Stevenson - Head of Department**

**Physical Education is the study of how the body functions in physical activity. Students learn about the anatomy, physiology, biomechanics and skill learning involved.**

<b>Course Title Course Code</b>	<b>Level 1 Physical Education L1PED</b>	<b>Level 2 Physical Education L2PED</b>	<b>Level 3 Physical Education L3PED</b>
<b>Entry</b>	Complete a full year of Physical Education in Years 9 and 10.	Entry 12 credits in L1PED or approval from HoD	13 credits in L2PED or approval from HoD
<b>Qualification</b>	NCEA Level 1	NCEA Level 2	NCEA Level 3
<b>Assessment</b>	By Achievement Standards: 12 Credits • <i>12 credits internally assessed</i>	By Achievement Standards 2.5, 2.7, 2.8 plus Unit Standards: 22 credits • <i>17 credits internally assessed</i> • <i>9 credits gained by Achievement Standards</i> • <i>13 credits gained by Unit Standards</i>	By Achievement Standards: 14 credits • <i>14 credits internally assessed</i>
<b>Content</b>	<ul style="list-style-type: none"> <li>• Physical activity and its influence on well-being</li> <li>• How the body is portrayed in physical activity</li> <li>• Practical based performance</li> </ul>	<ul style="list-style-type: none"> <li>• Practical based performance</li> <li>• Rugby referee course (11 credits) (<i>Optional</i>)</li> <li>• First Aid Course (2 credits)</li> <li>• Leadership strategies</li> <li>• Safety issues in physical activity</li> </ul>	<ul style="list-style-type: none"> <li>• Apply knowledge to plan, implement and evaluate a physical activity programme</li> <li>• Perform a physical activity to nationally developed standards</li> <li>• Examine a physical activity that impacts on NZ society</li> </ul>

**Enquiries**      **Mr. W Stevenson - Head of Department**

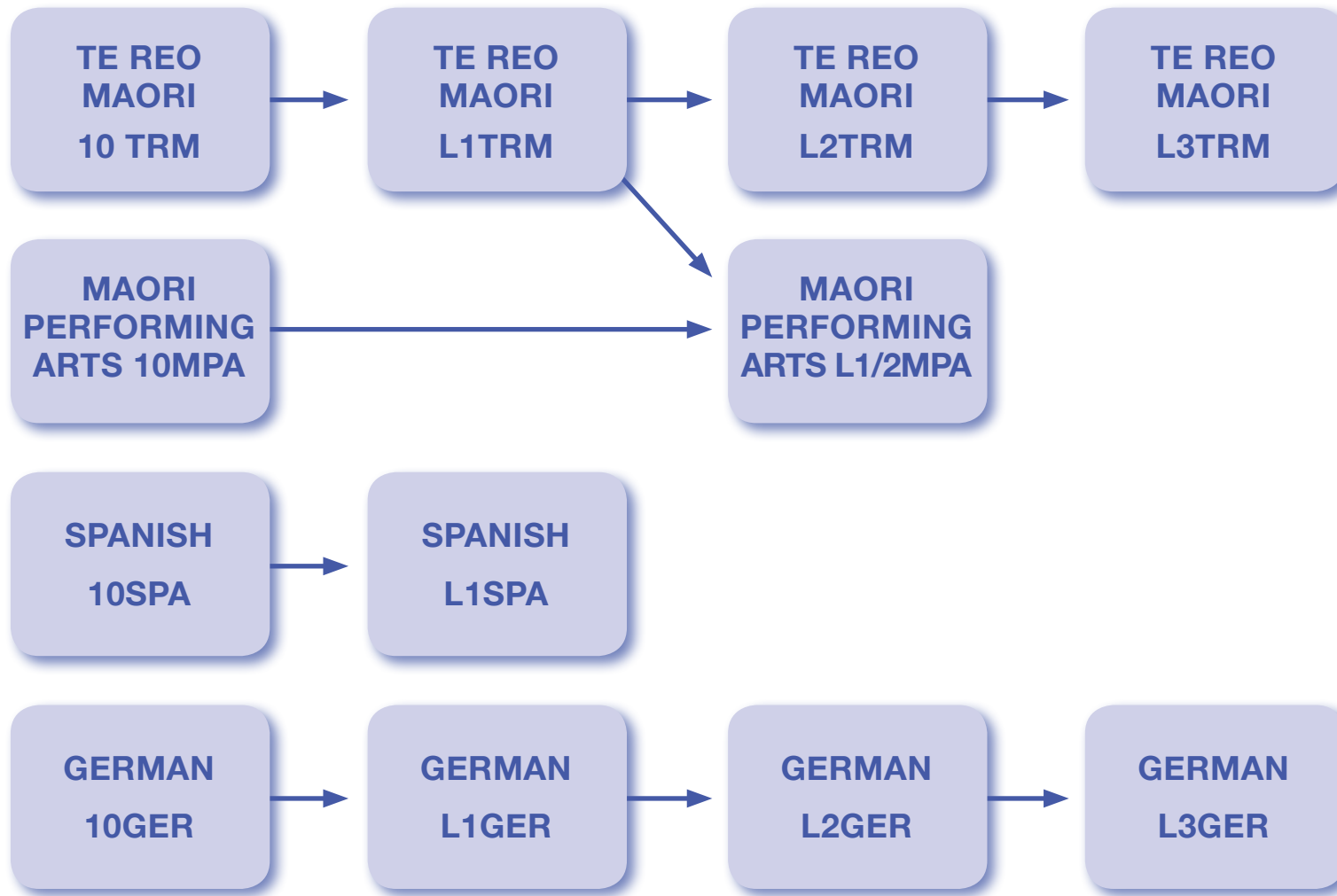
**In Health and Society students explore personal, interpersonal and societal influences on well-being through a wide range of health related contexts.**

<b>Course Title Course Code</b>	<b>Level 1 Health L1HEA</b>	<b>Level 2 Health in Society L2HEA</b>	<b>Level 3 Health in Society L3HEA</b>
<b>Entry</b>	English 1 or 2 students	Entry 14 credits in L1HEA with at least 8 at Merit level OR Level 1 English - 9 internal credits and 9 external credits including AS1.6 OR approval from HoD	12 credits in L2HEA OR 16 credits including formal writing and at least one external pass in Level 2 English OR approval from HoD
<b>Qualification</b>	NCEA Level 1	NCEA Level 2	NCEA Level 3
<b>Assessment</b>	By Achievement Standards: 22 Credits <ul style="list-style-type: none"> <li>• 12 credits externally assessed</li> <li>• 10 credits internally assessed</li> </ul>	By Achievement Standards: 19 credits <ul style="list-style-type: none"> <li>• 9 credits externally assessed</li> <li>• 10 credits internally assessed</li> </ul>	By Achievement Standards: 20 credits <ul style="list-style-type: none"> <li>• 10 credits externally assessed</li> <li>• 10 credits internally assessed</li> </ul>
<b>Content</b>	<ul style="list-style-type: none"> <li>• Communication skills</li> <li>• Changing states of health</li> <li>• Drug issues</li> <li>• Sexuality issues</li> <li>• Nutrition</li> </ul>	<ul style="list-style-type: none"> <li>• Gender studies</li> <li>• Health promotion project</li> <li>• New Zealand health issues</li> </ul>	<ul style="list-style-type: none"> <li>• Alternative health practices</li> <li>• International health issues</li> <li>• Ethical issues</li> <li>• Sexual images in the media</li> </ul>

**Enquiries**

**Mrs. K Hedges - Head of Department**

# Languages



## Possible Future Pathways

- Writer
- Translator
- Journalist
- Traveller
- Politician
- Tourism
- Teacher
- Linguist
- Interpreter
- Tourist Operator

**See career pages for further information**

**This course encompasses the study of Te Reo me ona tikanga; language features, grammar of speech, language function, word usage and language notion; the ability to communicate and reply.**

<b>Course Title Course Code</b>	<b>Level 1 Te Reo Maori L1TRM</b>	<b>Level 2 Te Reo Maori L2TRM</b>	<b>Level 3 Te Reo Maori L3TRM</b>
<b>Entry</b>	Successfully completed Year 10 TRM or at HoD discretion	Successfully completed L1TRM or at HoD discretion	Successfully completed L2TRM or at HoD discretion
<b>Qualification</b>	NCEA Level 1	NCEA Level 2	NCEA Level 3
<b>Assessment</b>	By Achievement Standards: 24 Credits <ul style="list-style-type: none"> <li>• 12 credits internally assessed</li> <li>• 12 credits externally assessed</li> </ul>	By Achievement Standards: 24 credits <ul style="list-style-type: none"> <li>• 14 credits internally assessed</li> <li>• 10 credits externally assessed</li> </ul>	By Achievement Standards
<b>Content</b>	Students will learn through different language modes: whakarongo, panui, tuhituhi matakitaki, korero, whakatu.  Students will also learn through different text types: karakia, korero, purakau and waiata.  Attendance is essential.	Students will learn through different language modes: whakarongo, panui, tuhituhi matakitaki, korero, whakatu.  Students will also learn through different text types: karakia, korero, purakau and waiata.  Attendance is essential.	Students will learn through different language modes: whakarongo, panui, tuhituhi matakitaki, korero, whakatu.  Students will also learn through different text types: karakia, korero, purakau and waiata.  Attendance is essential.



**This course focuses on students developing a sound knowledge of kapa haka and Te Reo through practical demonstration and performance of waiata, waiata-a-ringa, poi, haka and whakaraka.**

<b>Course Title</b>	<b>Level 1 Te Reo Maori (MPA)</b>	<b>Level 2 Maori Performing Arts</b>
<b>Course Code</b>	<b>L1TRM (MPA)</b>	<b>L2MPA</b>
<b>Entry</b>	Open	Open
<b>Qualification</b>	Unit Standards Level 1	Unit Standards Level 2
<b>Assessment</b>	Unit Standards Assessed: 24 Credits • <i>Assessed internally</i>	Unit Standards Assessed: 28 Credits • <i>Assessed internally</i>
<b>Content</b>	Students will learn through different language modes: whakarongo, panui, matakitaki, korero, and whakatu.  Students will also learn through various text types: karakia, korero, purakau and waiata.  Attendance is essential.	Students will learn through different language modes: whakarongo, panui, matakitaki, korero, and whakatu.  Students will also learn through various text types: karakia, korero, purakau and waiata.  Knowledge and skill in waiata, waiata-a-ringa, poi, haka and whakaraka are key topics.  Attendance is essential.

**Enquiries**      **Mr. T Kingi - *Head of Department***

**Learning German as a second language has many benefits. It widens students' horizons, giving them insight into a culture other than their own, and an edge in the modern global society. Learning a second language also builds creativity in students and further develops literacy skills in their first language.**

<b>Course Title</b> <b>Course Code</b>	<b>Level 1 German</b> <b>L1GER</b>	<b>Level 2 German</b> <b>L2GER</b>	<b>Level 3 German</b> <b>L3GER</b>
<b>Entry</b>	Students need to have successfully completed Year 10 German or approval from Teacher in Charge	Completion of L1GER or approval from Teacher in Charge	Students need to have gained a minimum of 12 credits in L2GER
<b>Qualification</b>	NCEA Level 1	NCEA Level 2	NCEA Level 3
<b>Assessment</b>	By Achievement Standards: 24 Credits <ul style="list-style-type: none"> <li>• 15 credits externally assessed</li> <li>• 9 credits internally assessed</li> </ul>	By Achievement Standards: 24 credits <ul style="list-style-type: none"> <li>• 15 credits externally assessed</li> <li>• 9 credits internally assessed</li> </ul>	By Achievement Standards 24 possible credits <ul style="list-style-type: none"> <li>• 15 credits externally assessed</li> <li>• 9 credits internally assessed</li> </ul>
<b>Content</b>	In familiar contexts: <ul style="list-style-type: none"> <li>• Listen to and understand spoken German</li> <li>• Speak in German</li> <li>• Read German texts</li> <li>• Write German texts</li> </ul>	In less familiar contexts: <ul style="list-style-type: none"> <li>• Listen to and understand spoken German</li> <li>• Speak in German</li> <li>• Read German texts</li> <li>• Write German texts</li> </ul>	In less familiar contexts: <ul style="list-style-type: none"> <li>• Listen to and understand complex spoken German</li> <li>• Converse in German using complex language</li> <li>• Read German texts using complex language</li> <li>• Write crafted texts in German using complex language</li> </ul>

**Spanish is the third most widely spoken language in the world. It is spoken in Spain, most of South, Central and North America (the U.S. is the world's second largest Spanish speaking nation), and even in Africa.**

**Course Title**      **Level 1 Spanish**

**Course Code**      **L1SPA**

**Entry**      Achieved grade in three out of four sections of the Year 10 Spanish examination, or by approval from Teacher in Charge

**Qualification**      NCEA Level 1

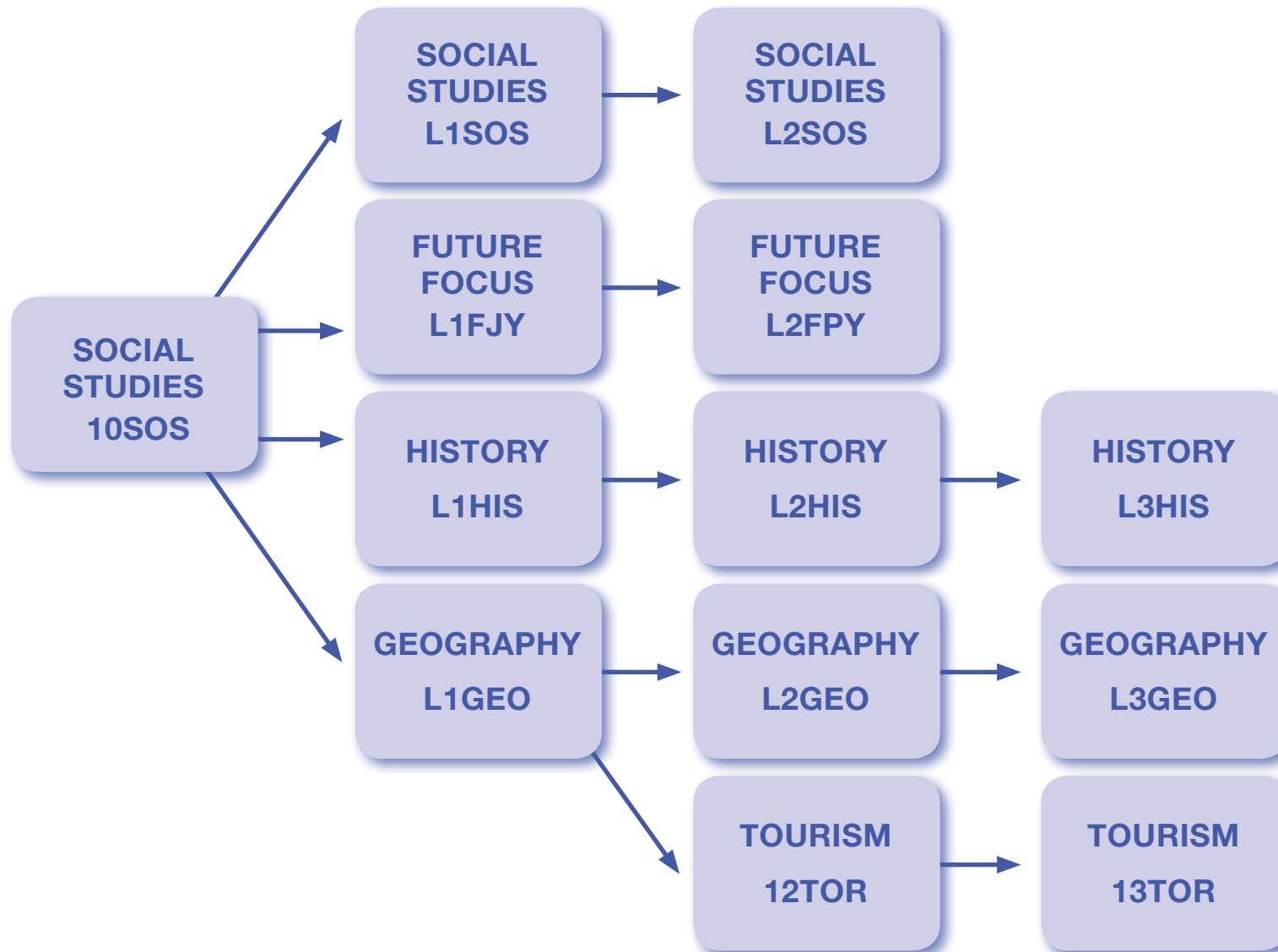
**Assessment**      By Achievement Standards:  
24 credits  
• *15 credits externally assessed*  
• *9 credits internally assessed*

**Content**

- Spoken Spanish (oral and aural)
- Written Spanish (reading and writing)
- Hispanic culture

**Enquiries**      **Mr. C Stephenson - *Head of Department***

# Social Sciences



## Possible Future Pathways

- Town Planner
- Teaching
- Demographer
- Tourist Operator
- Tourism Industry
- Archaeologist
- Anthropologist
- Meteorologist
- Policy Analyst
- Resource Management
- Diplomat
- Sociologist
- Archivist

See career pages for further information

**Social Studies is the study of people and their impact on each other and their environments (current and/or local issues).**

<b>Course Title</b>	<b>Level 1 Social Studies</b>	<b>Level 2 Social Studies</b>
<b>Course Code</b>	<b>L1SOS</b>	<b>L2SOS</b>
<b>Entry</b>	Open	Minimum of 8 English credits at Level 1
<b>Qualification</b>	NCEA Level 1	NCEA Level 2
<b>Assessment</b>	By Achievement and Unit Standards 19 Credits <ul style="list-style-type: none"> <li>• 5 credits externally assessed</li> <li>• 12 credits internally assessed</li> </ul>	By Achievement Standards 21 Credits <ul style="list-style-type: none"> <li>• 0 credits externally assessed</li> <li>• 21 credits internally assessed</li> </ul>
<b>Content</b>	<ul style="list-style-type: none"> <li>• The different values people have in society in regards to animal welfare</li> <li>• Global climate change and our response to it</li> <li>• The changing views of the legal position of Te Tiriti o Waitangi</li> </ul>	<ul style="list-style-type: none"> <li>• Study the impact of vehicles of 90 Mile Beach for people/environment</li> <li>• Create a film that documents the study</li> <li>• Understand the differing values and beliefs people have towards our environment</li> </ul>

**Enquiries**      **Ms. A Davidson - Head of Department**

**History is the study of a past notable for its important, unusual or interesting events that will or can shape the course of the future.**

<b>Course Title</b> <b>Course Code</b>	<b>Level 1 History</b> <b>L1HIS</b>	<b>Level 2 History</b> <b>L2HIS</b>	<b>Level 3 History</b> <b>L3HIS</b>
<b>Entry</b>	Taking L1ENX or L1ENG	Entry 12 credits in L1ENG or approval from Mr. Withiel	12 credits in L2ENG or approval from Mr. Withiel
<b>Qualification</b>	NCEA Level 1	NCEA Level 2	NCEA Level 3
<b>Assessment</b>	By Achievement Standards: 24 Credits <ul style="list-style-type: none"> <li>• 16 credits externally assessed</li> <li>• 8 credits internally assessed</li> </ul> By Unit Standards: <ul style="list-style-type: none"> <li>• 16 credits internally assessed</li> </ul>	By Achievement Standards: 24 Credits <ul style="list-style-type: none"> <li>• 12 credits externally assessed</li> <li>• 12 credits internally assessed</li> </ul> By Unit Standards: <ul style="list-style-type: none"> <li>• 16 credits internally assessed</li> </ul>	By Achievement Standards: 24 credits <ul style="list-style-type: none"> <li>• 15 credits externally assessed</li> <li>• 9 credits internally assessed</li> </ul>
<b>Content</b>	<ul style="list-style-type: none"> <li>• Social change - Black civil rights</li> <li>• International relations - causes of World War II</li> <li>• Conflict - Palestine/Israel 1935 - 1967</li> </ul>	<ul style="list-style-type: none"> <li>• Government and political change <ul style="list-style-type: none"> <li>- Russian Revolution and Apartheid South Africa</li> </ul> </li> <li>• Imperialism, indigenous peoples and the emergence of new nations <ul style="list-style-type: none"> <li>- Vietnam War</li> </ul> </li> </ul>	<ul style="list-style-type: none"> <li>• <i>England 1558 - 1667</i> <ul style="list-style-type: none"> <li>Economy and society</li> <li>Government and politics</li> <li>Revolution, republic and restoration</li> </ul> </li> </ul>

**Geography is the study of the natural and cultural environments and the interaction between them.**

Course Title Course Code	Level 1 Geography L1GEO	Level 2 Geography L2GEO	Level 3 Geography L3GEO
Entry	Open	11 credits in L1GEO or HoD approval	11 credits in L2GEO or HoD approval
Qualification	NCEA Level 1	NCEA Level 2	NCEA Level 3
Assessment	By Achievement Standards: 21 Credits <ul style="list-style-type: none"> <li>• 10 credits externally assessed</li> <li>• 11 credits internally assessed</li> </ul>	By Achievement Standards: 21 credits <ul style="list-style-type: none"> <li>• 10 credits externally assessed</li> <li>• 11 credits internally assessed</li> </ul>	By Achievement Standards: 24 credits <ul style="list-style-type: none"> <li>• 12 credits externally assessed</li> <li>• 12 credits internally assessed</li> </ul>
Content	<ul style="list-style-type: none"> <li>• Extreme natural events (earthquakes or tropical cyclones)</li> <li>• Resources and their uses - dairy farming and mining</li> <li>• Skills - mapping, graphing and valuing</li> <li>• Directed research</li> <li>• Contemporary issues</li> <li>• Global study</li> </ul>	<ul style="list-style-type: none"> <li>• Natural landscapes - Amazon Basin, South Island High Country</li> <li>• Urban studies - Auckland and Singapore</li> <li>• Skills - mapping, graphing and valuing</li> <li>• Directed research</li> <li>• Contemporary issue</li> <li>• Global study</li> </ul>	<ul style="list-style-type: none"> <li>• Geographic environment (Ahipara)</li> <li>• Tourism at Waitomo and Bali</li> <li>• Skills - mapping, graphing and valuing</li> <li>• Directed research</li> <li>• Contemporary issue</li> <li>• Global study</li> </ul>

**Enquiries**      **Mrs. S Clutterbuck - Head of Department**

Tourism is a course of study focused on New Zealand and other world tourist destinations. This course includes the study of the skill set required to work in the Tourism Industry. Tourism is a two year course but students may complete one year study only. At the completion of year two students can make an application to receive a National Certificate in Tourism (Introductory Skill - Level 2).

<b>Course Title</b>	<b>Level 2 Tourism</b>	<b>Level 3 Tourism</b>
<b>Course Code</b>	<b>12TOR</b>	<b>13TOR</b>
<b>Entry</b>	Entry 12 credits in Level 1 English and a good attendance record	Completion of 12TOR
<b>Qualification</b>	Credits towards National Certificate in Tourism	National Certificate in Tourism (Introductory Skills Level 2)
<b>Assessment</b>	By Unit Standards <ul style="list-style-type: none"> <li>• 16 credits internally assessed</li> <li>• 4 credits at Level 3</li> </ul>	By Unit Standards <ul style="list-style-type: none"> <li>• 23 credits internally assessed</li> </ul>
<b>Content</b>	<ul style="list-style-type: none"> <li>• Knowledge of New Zealand as a tourist destination</li> <li>• Work roles within the Tourism Industry</li> <li>• Work related skills within the Tourism Industry</li> </ul>	<ul style="list-style-type: none"> <li>• Knowledge of the world as a tourist destination</li> <li>• History of tourism</li> <li>• Economic significance of tourism</li> <li>• Impact of tourism on the physical environment</li> <li>• Use of the internet within a tourism workplace</li> </ul>

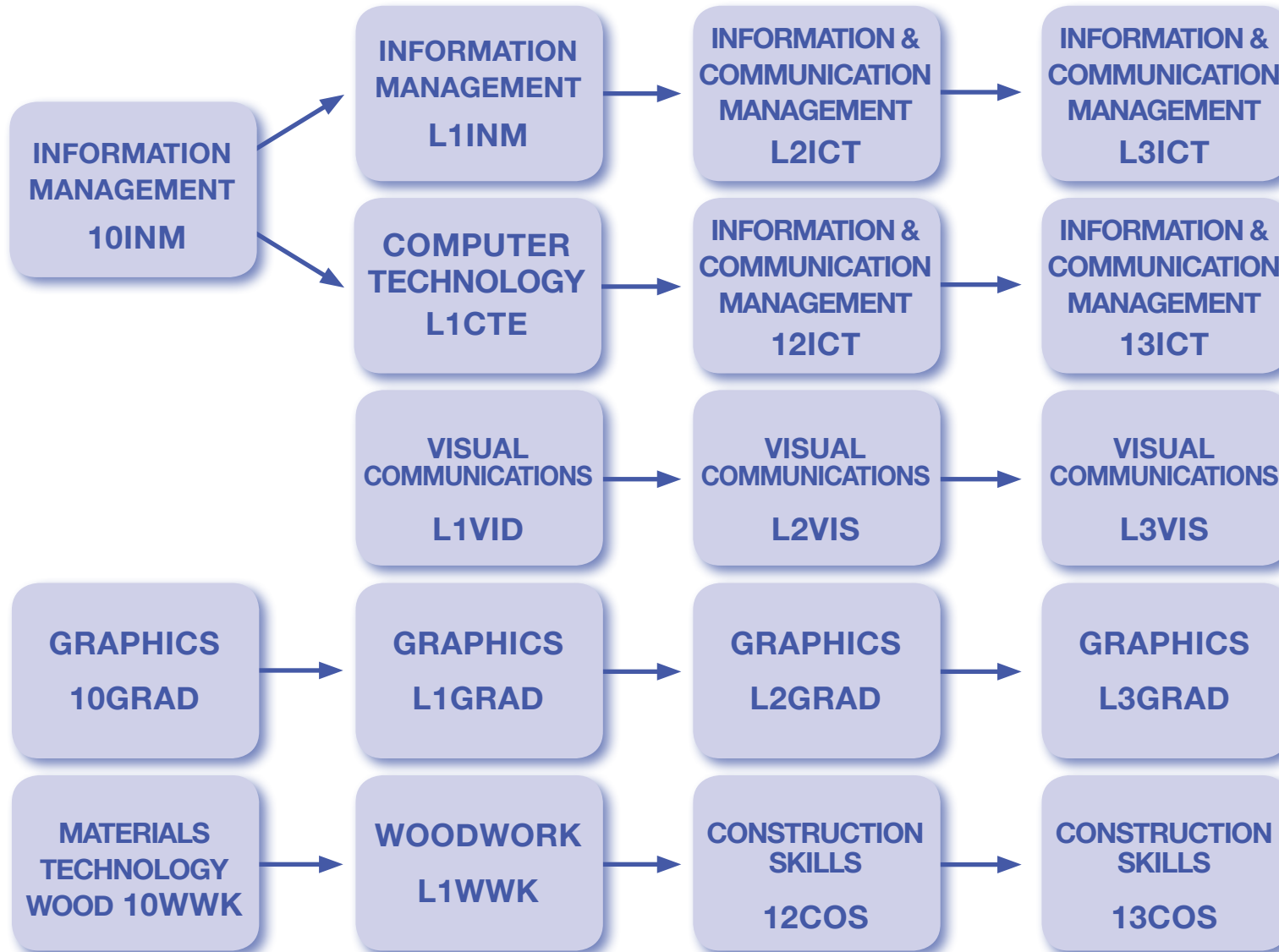


**Future Focus will engage students in areas of personal well-being, team building and future planning.**

<b>Course Title</b>	<b>Level 1 Future Journeys</b>	<b>Level 2 Future Pathways</b>
<b>Course Code</b>	<b>L1FJY</b>	<b>L2FPY</b>
<b>Entry</b>	Open	Any Level 1 English course
<b>Qualification</b>	NCEA Level 1	NCEA Level 2
<b>Assessment</b>	20 Credits <ul style="list-style-type: none"> <li>• 0 credits externally assessed</li> <li>• 20 credits internally assessed</li> </ul>	24 Credits <ul style="list-style-type: none"> <li>• 0 credits externally assessed</li> <li>• 24 credits internally assessed</li> </ul>
<b>Content</b>	<ul style="list-style-type: none"> <li>• Complete team building exercises and use cooperative skills to complete specific tasks</li> <li>• Study areas of personal health and well-being and design a nutritional food plan</li> <li>• Use computers to research personal job interests, complete a C.V and produce a personalised budget</li> </ul>	<ul style="list-style-type: none"> <li>• Research personal identity and whanau/family heritage</li> <li>• Study independent living situations and set financial goals for future gains</li> <li>• Learn traffic and driver safety issues and make a presentation about a current driving problem in NZ</li> <li>• Complete basic first aid training</li> </ul>

**Enquiries**      **Ms. A Davidson - Head of Department**

# Technology



## Possible Future Pathways

### INM & ICT

- Information Systems Engineer
- Software Developer
- Small Business Owner
- Website Developer
- Website Manager
- Research and Development
- Production and Support
- E-Commerce Marketing Consultant
- Sales and Marketing
- ICT Security Specialist
- Telecommunications Network Planner
- Animation
- Robotics Developer

### Video & Film

- Software Engineer
- Makeup and Prosthetics
- Animations and Digital Artist
- Sound Recording and Production Media - TV, music videos, training videos

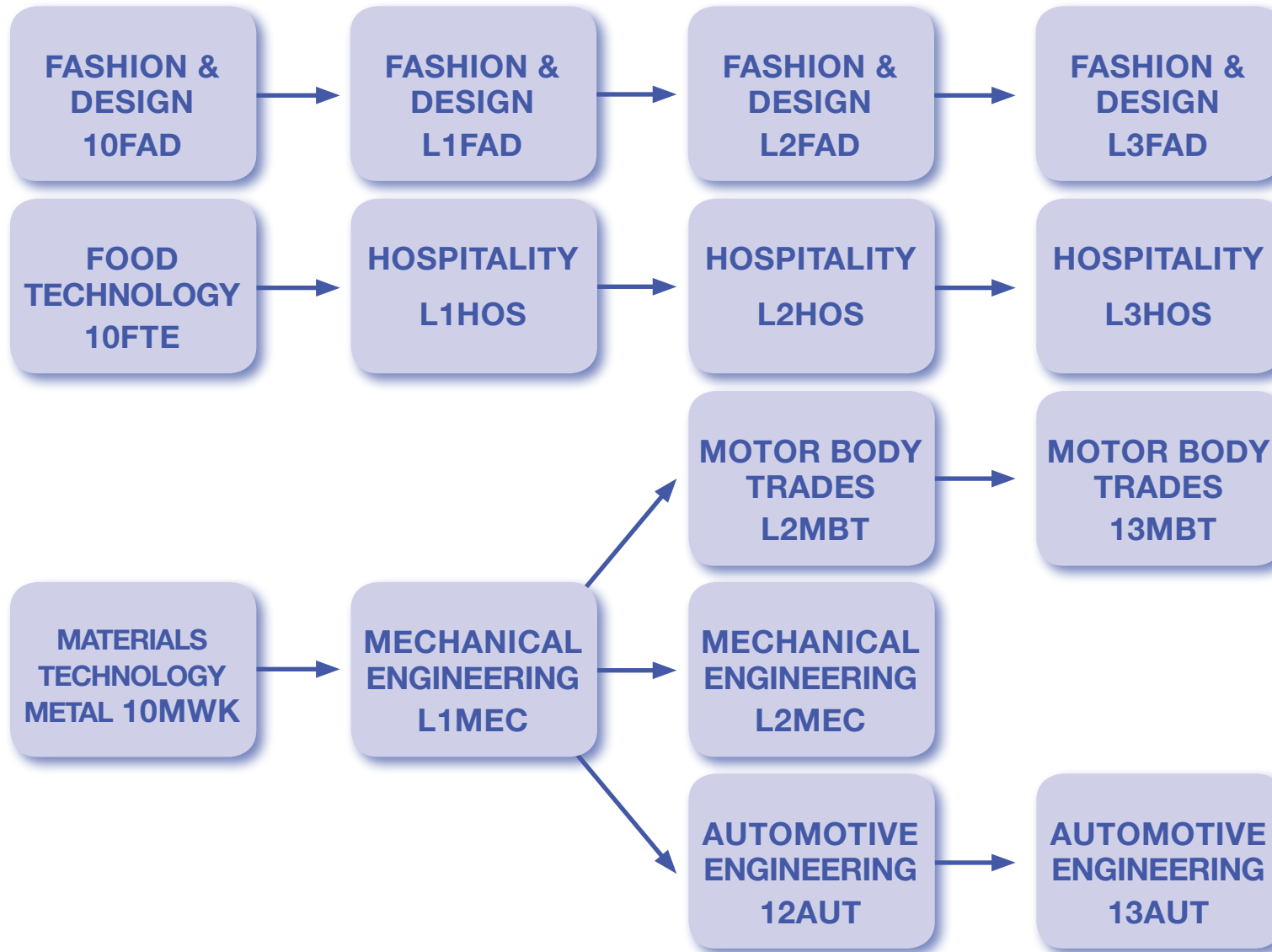
### Graphics

- 2D animator
- Illustrator
- Brand and Identity Designer
- Packaging Designer
- Visual Designer
- Computer Finished Artist
- Junior Art Director
- Animator

### Woodwork

- Boat Builder
- Carpenter
- Building Insulator
- Building Contractor
- Wood Joiner
- Wood Overlay Installer

# Technology



## Possible Future Pathways

### ***Fashion & Design***

- Fashion Designer
- Fashion Consultant
- Colour Consultant
- Design Consultant
- Textiles & Industry
- Sales & Service, retail and wholesale

### ***Hospitality***

- Chef
- Baker
- Bar Manager
- Bartender
- Front of House
- Caterer
- Cafe Manager
- Tourism
- Hotel/Motel Receptionist
- Barista

### ***Automotive Industry***

- Automotive Engineer
- Automotive Electrician

### ***Motor Body Trades***

- Light and Heavy Fabrication

### ***Engineer***

- Fitter Turner
- Composite Engineer
- Machinist and Toolmaker
- Marine Engineer
- Mechanical Engineer

### ***Construction***

- Scaffolder
- Roofer
- Boat Builder
- Plumber/Gasfitter

### ***Armed Forces***

- Navy Weapons Engineering Officer
- Aircraft Engineer
- Army Field Engineer

**Graphics and Design is the art or profession of combining everything that relates to the creations of signs, charts, logos, graphs, drawings, line art, symbols, geometric designs and so on. Skills are used to develop methods to present ideas in a visual manner using freedom of thought and coupled with the impact of colour.**

<b>Course Title</b> <b>Course Code</b>	<b>Level 1 Graphics</b> <b>L1GRA</b>	<b>Level 2 Graphics</b> <b>L2GRA</b>	<b>Level 3 Graphics</b> <b>L3GRA</b>
<b>Entry</b>	Must have done Year 10 GRA or Year 10 ART or approval from HoD/TiC	9 credits in L1GRA or approval from HoD/TiC	12 credits in L2GRA or approval from HoD/TiC
<b>Qualification</b>	NCEA Level 1	NCEA Level 2	NCEA Level 3
<b>Assessment</b>	By Achievement Standards: 24 Credits <ul style="list-style-type: none"> <li>• 12 credits externally assessed</li> <li>• 12 credits internally assessed</li> </ul>	By Achievement Standards: 24 credits <ul style="list-style-type: none"> <li>• 12 credits externally assessed</li> <li>• 12 credits internally assessed</li> </ul>	By Achievement Standards: 24 credits <ul style="list-style-type: none"> <li>• 12 credits externally assessed</li> <li>• 12 credits internally assessed</li> </ul>
<b>Content</b>	<ul style="list-style-type: none"> <li>• Produce freehand sketches</li> <li>• Construct and use geometrical shapes and solids</li> <li>• Produce instrumental multi-view working drawings</li> <li>• Produce and render pictorial drawings using instruments</li> <li>• Produce mock models</li> <li>• Apply design process and principles</li> <li>• Show design features and functions in design ideas</li> </ul>	<ul style="list-style-type: none"> <li>• Design and use colour techniques to enhance aesthetics e.g. model building</li> <li>• Produce 2D and 3D freehand sketches and instrumental drawings</li> <li>• Design and its implications for society</li> <li>• Mock-up models</li> <li>• Architectural or environmental brief</li> <li>• Design and present an engineering or media brief</li> </ul>	<ul style="list-style-type: none"> <li>• Negotiate, develop and communicate a solution to a brief</li> <li>• Plan and produce a presentation'</li> <li>• Develop and communicate a solution for a media or technical illustration brief</li> <li>• Solutions to architectural, environmental, engineering or technological briefs</li> </ul>

## Fashion and Design

Course Title Course Code	Level 1 Fashion & Design L1FAD	Level 2 Fashion & Design L2FAD	Level 3 Fashion & Design L3FAD
Entry	Completion of 10FAD	Entry 12 credits in L1FAD or approval from Mrs. Subritzky	Entry 12 credits in L2FAD or approval from Mrs. Subritzky
Qualification	NCEA Level 1	NCEA Level 2	NCEA Level 3
Assessment	By Achievement Standards: 26 Credits <ul style="list-style-type: none"> <li>• 4 credits externally assessed</li> <li>• 22 credits internally assessed</li> </ul>	By Achievement Standards: 24 credits <ul style="list-style-type: none"> <li>• 8 credits externally assessed</li> <li>• 16 credits internally assessed</li> </ul>	By Achievement Standards: 24 credits <ul style="list-style-type: none"> <li>• 12 credits externally assessed</li> <li>• 12 credits internally assessed</li> </ul>
Content	<ul style="list-style-type: none"> <li>• Fashion design and decision</li> <li>• Patterns, design and labeling</li> <li>• Fabric, texture and colour</li> <li>• Knowledge and skills</li> </ul>	<ul style="list-style-type: none"> <li>• Fashion trends and culture</li> <li>• Analysing a design brief</li> <li>• Design ideas, information and presentation</li> <li>• Economy and environment</li> </ul>	<ul style="list-style-type: none"> <li>• Design and drafting</li> <li>• Disassembling and design reconstruction</li> <li>• Quality assurance and control</li> </ul>

Enquiries

Ms. V Paul - *Head of Department*

Mrs. J Subritzky - *Teacher in Charge*

## The teaching of cookery processes and techniques expected in the Hospitality Industry.

Course Title Course Code	Level 1 Hospitality L1HOS	Level 2 Hospitality L2HOS	Level 3 Hospitality L3HOS
Entry	Open	Entry 14 credits in L1HOS including 15620 compulsory, or approval from Ms. Cooke	12 credits in L2HOS
Qualification	NCEA Level 1	NCEA Level 2	NCEA Level 3
Assessment	By Achievement Standards: 26 Credits • <i>All credits internally assessed</i>	By Achievement Standards: 24 Credits • <i>All credits internally assessed</i>	By Achievement Standards: 25 Credits • <i>All credits internally assessed</i>
Content	<ul style="list-style-type: none"> <li>• Safe food handling practices</li> <li>• Prepare and present food according to the hospitality industry</li> <li>• Develop good food preparation techniques</li> </ul>	<ul style="list-style-type: none"> <li>• Plan and prepare food on a given budget</li> <li>• Develop presentation skills</li> <li>• Prepare and plan recipes according to set criteria</li> </ul>	<ul style="list-style-type: none"> <li>• Research recipes</li> <li>• Plan for special occasions</li> <li>• Explore nutritional needs for different people</li> </ul>

Enquiries

Ms. V Paul - *Head of Department*Ms. T Cooke - *Teacher in Charge*

**Information Management** is the collection and management of information from one or more sources and the distribution of that information to one or more audiences. This sometimes involves those who have a stake in or a right to that information. Management means the organisation and control over the structure, processing and delivery of information. **Information and Communication Technology** is a term that includes any communication device or application, and the services associated with them. These are used in today's society to implement and distribute information to one or more audiences.

Course Title	Level 1 Information Management	Level 2 Information and Communication Technology	Level 2 Information and Communication Technology
Course Code	<b>L1INM</b>	<b>L2ICT</b>	<b>L3ICT</b>
Entry	Must have done Year 10INM or approval from HoD	8 credits from AS90034, AS90035 or AS90036 INM or approval from HoD	6 credits from AS90342 or 90349 L1ICT plus any 3 ICT Level 2 credits or approval from HoD
Qualification	NCEA Level 1	NCEA Level 2	NCEA Level 3
Assessment	By seven Achievement Standards: 24 Credits <ul style="list-style-type: none"> <li>• 12 credits externally assessed</li> <li>• 12 credits internally assessed</li> </ul> By two Unit Standards: <ul style="list-style-type: none"> <li>• 4 credits internally assessed</li> </ul>	By two Achievement Standards: 27 Credits <ul style="list-style-type: none"> <li>• 12 credits internally assessed</li> </ul> By three Unit Standards: <ul style="list-style-type: none"> <li>• 15 credits internally assessed</li> </ul>	By two Achievement Standards: 25 credits <ul style="list-style-type: none"> <li>• 12 credits internally assessed</li> </ul> By three Unit Standards: <ul style="list-style-type: none"> <li>• 13 credits internally assessed</li> </ul>
Content	<ul style="list-style-type: none"> <li>• Key pathways and safe working practices</li> <li>• Operating and file management procedures</li> <li>• Solving a problem, accessing and extracting information from different sources</li> <li>• Spreadsheets - Excel</li> <li>• Designing and presenting work using applications available</li> </ul>	<ul style="list-style-type: none"> <li>• Formulate briefs, using planning tools, developing and modelling conceptual designs</li> <li>• Implement one-off solutions</li> <li>• Use basic programming, animation, Photoshop and game-maker skills</li> <li>• Create webpages using basic html codes and Front Page</li> <li>• Demonstrate and apply knowledge of a personal computer system</li> </ul>	<ul style="list-style-type: none"> <li>• Use a variety of applications to demonstrate the skills needed to create and construct a robot e.g. Moviemaker, RoboLab, Lego</li> <li>• Programme robot to perform basic functions using kitsets</li> <li>• Formulate briefs, use planning tools, develop and model conceptual designs to implement one-off solutions</li> <li>• Use Publisher to design business documents and publications</li> </ul>

**Enquiries**      **Ms. V Paul - Head of Department**

**Information and Communication Technology (ICT) is a term that includes any communication devices or application and the services associated with them. These are used in today's society to implement and distribute information to one or more audiences.**

<b>Course Title</b>	<b>Level 1 Computer Technology</b>	<b>Level 2 Information and Communication Technology</b>	<b>Level 2 Information and Communication Technology</b>
<b>Course Code</b>	<b>L1CTE</b>	<b>12ICT</b>	<b>13ICT</b>
<b>Entry</b>	Open to non Information Management Students	Preference for CTE students or approval from HoD	Must have done 12ICT
<b>Qualification</b>	NCEA Level 1	Level 2	Level 2
<b>Assessment</b>	By Achievement Standards: 7 Credits • <i>7 credits internally assessed</i> By Unit Standards • <i>6 credits internally assessed</i>	By Unit Standards: 14 credits • <i>14 credits internally assessed</i>	By Unit Standards: 16 credits • <i>16 credits internally assessed</i>
<b>Content</b>	<ul style="list-style-type: none"> <li>• Direct entry composition and entry of text</li> <li>• Operating and file management procedures</li> <li>• Access and process information</li> <li>• Spreadsheets</li> <li>• Produce graphic documents</li> </ul>	<ul style="list-style-type: none"> <li>• Scan still images</li> <li>• Scan and OCR text</li> <li>• Use technology to present a topic</li> <li>• Create and enhance webpages</li> </ul>	<ul style="list-style-type: none"> <li>• Knowledge of personal computer systems</li> <li>• Manage and protect data</li> <li>• Access resources over a LAN</li> <li>• Ergonomics of computer workstations</li> </ul>



**Mechanical Engineering gives students practical and theoretical skills to enable them to investigate ideas, draw concepts, be creative and develop new technical solutions. They will learn workshop safety and also gain credits towards a National Certificate in Engineering - Level 1 & 2.**

*Please note: The practical component of this subject may be affected by the building of the new Technology block and this could impact on the above qualification.*

<b>Course Title</b>	<b>Level 1 Mechanical Engineering</b>	<b>Level 2 Mechanical Engineering</b>
<b>Course Code</b>	<b>L1MEC</b>	<b>L2MEC</b>
<b>Entry</b>	Year 10 Materials Technology - Metal or by approval from Mr. S Subritzky	Entry by approval from Mr. S Subritzky
<b>Qualification</b>	NCEA Level 1 Also, Unit Standards towards National Certificate in Engineering - Level 1	NCEA Level 2 Also, Unit Standards towards National Certificate in Engineering - Level 2
<b>Assessment</b>	By Unit Standards 24 Credits <ul style="list-style-type: none"> <li>• All credits internally assessed</li> <li>• All credits externally moderated</li> </ul>	By Unit Standards 20 Credits <ul style="list-style-type: none"> <li>• All credits internally assessed</li> <li>• All credits externally moderated</li> </ul>
<b>Content</b>	<ul style="list-style-type: none"> <li>• Workshop safety and expected behaviour is enforced</li> <li>• Correct and safe use of electric and hand tools</li> <li>• Investigation of set tasks</li> <li>• Brief and design development</li> <li>• Mock-ups, templates and trialing before construction</li> <li>• Practical element in workshop</li> <li>• Develop a plan of action and required resources</li> <li>• Motivational Certificates will be issued for design work, workmanship and functionality</li> </ul>	<ul style="list-style-type: none"> <li>• Workshop safety refresher and expected behaviour is reinforced</li> <li>• Performance criteria and expected outcomes of all Unit Standards are reviewed</li> <li>• Theory content must be completed</li> <li>• Assessment test upon completion of Unit Standard</li> <li>• Practical element will be workshop based</li> <li>• Evaluation of outcomes</li> <li>• Motivational Certificates will be issued if criteria achieved</li> </ul>

**Enquiries**

**Ms. V Paul - Head of Department**

**Mr. S Subritzky - Teacher in Charge**

**Automotive Engineering**

*Please note: The practical component of this subject may be affected by the building of the new Technology block and this could impact on the above qualification.*

<b>Course Title</b>	<b>Automotive Engineering</b>	<b>Automotive Engineering</b>
<b>Course Code</b>	<b>L2AUT</b>	<b>13AUT</b>
<b>Entry</b>	Open to both male and female students. Students who have qualifications in Metal Work and Mechanical Engineering will have first preference	Open to both male and female students. Students who have completed Year 12 Automotive Engineering or Year 12 Mechanical Engineering will have first preference
<b>Qualification</b>	NCEA Level 2 27 credits towards a National Certificate in Servicing Automotive Systems	NCEA Level 2/3 28 credits to complete the two year programme. <i>The following year the Units Standards for this level will change. It is to align the course so students will achieve a National Certificate in Servicing Automotive Systems</i>
<b>Assessment</b>	ITO Unit Standards 27 Credits <i>internally assessed</i> Moderated by North Tec	ITO Unit Standards 28 Credits <i>internally assessed</i> Moderated by North Tec
<b>Content</b>	<ul style="list-style-type: none"> <li>• Workshop safety</li> <li>• Hand tools</li> <li>• Vehicle components</li> <li>• Vehicle maintenance</li> <li>• 2 &amp; 4 stroke engines</li> <li>• Gas weld</li> <li>• Bleed brakes</li> <li>• Balance wheels</li> <li>• Workplace requirements</li> <li>• Lifeskills</li> </ul>	<ul style="list-style-type: none"> <li>• Brakes, steering and suspension</li> <li>• Engine tuning</li> <li>• General engineering</li> <li>• Servicing cooling systems</li> <li>• Electrical circuits</li> <li>• Mig welding</li> <li>• Lifeskills</li> </ul>

**Enquiries****Ms. V Paul - Head of Department****Mr. R Subritzky - Teacher in Charge**

**Motor Body Trades gives students the opportunity to experience practical and theoretical workshop tasks that help promote the Trades as a viable career option with the students.**

*Please note: The practical component of this subject may be affected by the building of the new Technology block and this could impact on the above qualification.*

<b>Course Title</b>	<b>Level 2 Motor Body Trades</b>	<b>Level 3 Motor Body Trades</b>
<b>Course Code</b>	<b>L2MBT</b>	<b>13MBT</b>
<b>Entry</b>	Year 11 Mechanical Engineering or by approval from Mr. S Subritzky	Year 12 Motor Body Trades or by approval from Mr. S Subritzky
<b>Qualification</b>	NCEA Level 2 (Unit Standards towards Pre-Trade Apprenticeships)	NCEA Level 2/3 (Unit Standards towards Pre-Trade Apprenticeships)
<b>Assessment</b>	By Unit Standards 20 Credits <ul style="list-style-type: none"> <li>• All credits internally assessed</li> <li>• All credits externally moderated</li> </ul>	By Unit Standards 20 Credits <ul style="list-style-type: none"> <li>• All credits internally assessed</li> <li>• All credits externally moderated</li> </ul>
<b>Content</b>	<ul style="list-style-type: none"> <li>• Workshop safety and expected behaviour is paramount and enforced with all students</li> <li>• Completion of all theory work is required</li> <li>• Students will develop knowledge and skills to perform a set workshop task</li> <li>• Correct and safe use of specialist tools and equipment will be covered and explained</li> <li>• Assessment test upon completion of Unit Standards</li> <li>• Practical content of all Unit Standards will be workshop based</li> <li>• Materials used to repair student vehicles will be charged accordingly</li> <li>• Motivational Certificates will be issued if criteria achieved</li> </ul>	<ul style="list-style-type: none"> <li>• Workshop safety and behaviour is once again revisited and reinforced</li> <li>• Student prior knowledge and understanding is identified and developed</li> <li>• Analysis of vehicle construction will equip students with vital information</li> <li>• Carry out informed decisions and adapt a plan of action</li> <li>• Assessment tests upon completion of set work</li> <li>• Practical element of set tasks will be performed in the workshop</li> <li>• Evaluation of course and teacher outcomes</li> <li>• Motivational Certificates will be issued if criteria achieved</li> </ul>

**Enquiries**

**Ms. V Paul - Head of Department**

**Mr. S Subritzky - Teacher in Charge**

**Visual Communication involves the study of media technology. Video and television production techniques, script writing, interview and documentary skills, computer editing and performance drama are highlighted.**

<b>Course Title Course Code</b>	<b>Level 1 Visual Communication L1VID</b>	<b>Level 2 Visual Communication L2VIS</b>	<b>Level 3 Visual Communication L3VIS</b>
<b>Entry</b>	Open	8 Credits in L1ENG or approval from HoD	8 credits in L2ENG or Film and Electronic Media or approval from HoD
<b>Qualification</b>	NCEA Level 1	NCEA Level 2	NCEA Level 3
<b>Assessment</b>	By Achievement and Unit Standards: 12 Credits • <i>All credits internally assessed</i>	By Unit Standards: 24 Credits • <i>All credits internally assessed</i>	By Achievement and Unit Standards: 17 Credits • <i>All credits internally assessed</i>
<b>Content</b>	<ul style="list-style-type: none"> <li>• Practical instruction in the use of cameras, scripting of video clips and editing techniques on a computer</li> <li>• Take part in live television transmissions</li> <li>• Manage a computer environment including digital media</li> </ul>	<ul style="list-style-type: none"> <li>• Practical instruction on developing production skills in video and television</li> <li>• Studio production and script writing skills</li> <li>• Interview and documentary skills</li> <li>• Manage digital media</li> </ul>	<ul style="list-style-type: none"> <li>• The development and refining of production skills in video and television</li> <li>• Script writing, short film and documentary production</li> <li>• Interview and preliminary journalism skills</li> <li>• Manage a range of digital technologies</li> </ul>

**Enquiries**

**Ms. V Paul - Head of Department**

**Mr. W Harrison - Teacher in Charge**

## Materials Technology - Wood involves the processes in the building, making or carving of something in wood.

Course Title Course Code	Level 1 Woodwork L1WWK	Level 2 Construction Skills 12COS	Level 3 Construction Skills 13COS
Entry	Must have done Year 10 WWK or approval from HoD/Tic	9 Credits in Level 1 WWK or approval from Hod/TiC	Must have done 12COS or approval from HoD/TiC
Qualification	NCEA Level 1	NC in Elementary Construction Skills	Completion of the NC in Elementary Construction Skills
Assessment	By Unit Standards in BCAT: 25 Credits <i>internally assessed</i> • 4 literacy credits • 7 numeracy credits	By Unit Standards in BCAT: 30 Credits <i>internally assessed</i> • 13 literacy credits • 3 numeracy credits	By Unit Standards in BCAT: 19 Credits <i>internally assessed</i> • Literacy credits not completed from 12COS
Content	<ul style="list-style-type: none"> <li>• Literacy and numeracy</li> <li>• Safe working practices with projects</li> <li>• Demonstrate knowledge of construction and manufacturing materials</li> <li>• Workshop procedures and processes for BCATS projects</li> </ul>	<ul style="list-style-type: none"> <li>• Literacy and numeracy</li> <li>• Safe working practices in the workplace</li> <li>• Use of hand tools</li> <li>• Basic construction of timber garden furniture</li> <li>• Complete minor concrete works</li> <li>• Construct retaining walls</li> <li>• BCATS project</li> </ul>	<ul style="list-style-type: none"> <li>• Literacy</li> <li>• Use portable power tools</li> <li>• Knowledge of timber and other construction materials</li> <li>• Frame and truss manufacturing industry knowledge</li> <li>• Joinery industry within a BCATS environment</li> <li>• BCATS project</li> </ul>

Enquiries

Ms. V Paul - *Head of Department*

Mr. M Ward - *Teacher in Charge*