

ACADEMIC PROGRAMME 2009



**MOUNT ROSKILL
GRAMMAR SCHOOL**

Courses available at Mount Roskill Grammar School

Department	YEAR 9	YEAR 10	YEAR 11	YEAR 12	YEAR 13	Department
Art (Visual Arts)	Art	Art	Art	Art : Design Art : Painting Art : Photography	Art : Art History Art : Design Art : Painting Art : Photography Art : Printing	Art (Visual Arts)
Business/Commerce	Business Ed	Business Ed	Economics Accounting	Economics Accounting Business Practice	Economics Accounting Business Practice	Business/Commerce
Computing	Info & Comm Tech	Info & Comm Tech	Computing Computing for Beginners Info & Comm Tech	Computing Computing for Beginners	Computing A Computing B Computing Web Design	Computing
English	English	English	English or English Alternative	English or English Alternative English for Literacy	English English Alternative English for Literacy	English
ESL	ESL	ESL	ESL	ESL	ESL	ESL
Food & Hospitality	Food Technology	Food Technology	Food & Hospitality Food & Nutrition	Food & Hospitality	Catering & Hospitality Food & Hospitality	Food & Hospitality
Languages	French or Maori or Japanese or Literacy Support	French Maori Japanese	French Maori Japanese	French Maori Japanese	French Maori Japanese	Languages
Mathematics	Mathematics	Mathematic	Mathematics	Mathematics	Mathematics Maths with Calculus Statistics and Modelling	Mathematics
Media Studies		Media Studies		Media Studies	Media Studies	Media Studies
Music	Music	Music Performance Music	Music Performance Music 1	Music Performance Music 1 Performance Music 2	Music Performance Music 2	Music
Performing Arts		Performing Arts	Performing Arts	Performing Arts	Performing Arts	Performing Arts
Physical Education & Health	Phys-Ed Health	Phys-Ed Health	Phys-Ed Sports Science Physical Studies Health Studies	Phys-Ed Sports Science Coaching & Recreation Studies	Sports Science Coaching & Recreation Studies Physics	Physical Education
Science	Science	Science Biotechnology	Science	Biology Chemistry General Science Horticulture Physics	Biology Chemistry Physics	Science
Social Sciences	Social Studies	Social Studies Tourism	Geography History	Early Childhood Ed Geography History Classical Studies Tourism	Early Childhood Ed Geography History Classical Studies Tourism	Social Sciences
Technology	Technology Graphics	Electronics Multi-Materials Fabrics Graphics	Electronics Multi-Materials Fabrics Tech Alternative Graphics	Electronics Multi-Materials Fabrics Tech Alternative Graphics	Electronics Multi-Materials Fabrics Tech Alternative Graphics	Technology

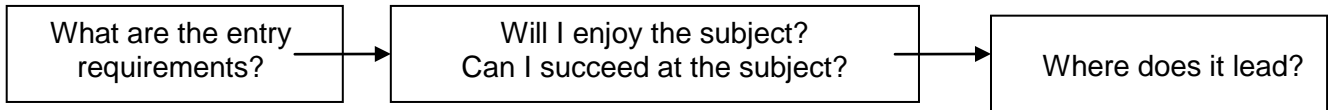
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NB: **Bold type** indicates compulsory subjects.

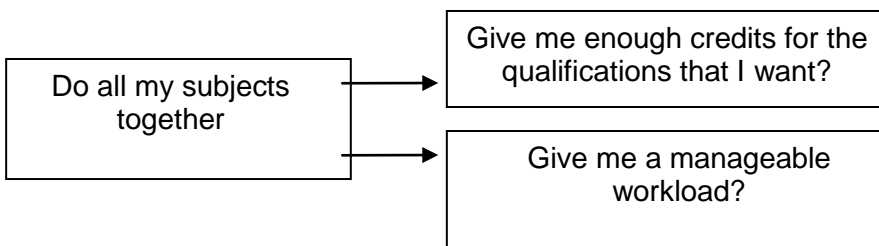
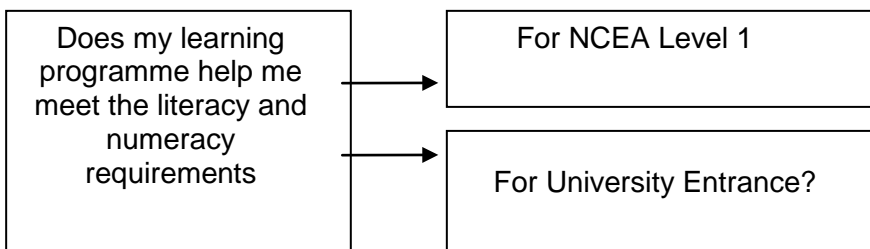
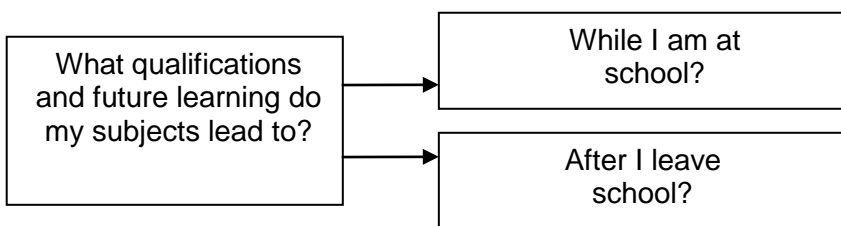
Info = Information,
w= with
Ed = Education
Tech = Technology
ESL = English as a
Second Language
Comm= Communication

SELECTING YOUR LEARNING PROGRAMME FOR 2009

The information in this handbook is designed to help you carefully choose your subjects for 2009. The subjects you select are crucial for your future, so it is important that you think carefully about your course direction. The further you go in the senior school, the more difficult it becomes to change that direction. That is why the very best advice is to keep as broad a range of subjects for as long as possible.



SENIOR STUDENTS:



SUBJECT AVAILABILITY

All subjects offered will be run dependent on student numbers and staffing availability at the Principal's discretion.

COURSES OF STUDY

YEAR 10

Students continue to study English, Mathematics, Physical Education, Health, Science and Social Studies all year. Year 10 students will study two, three or four option subjects during the year. Some option subjects last the full year and others half a year. Students will therefore choose one of the following combinations:

- four half-year subjects
- one full-year and two half-year subjects
- two full-year subjects

Note: prerequisites apply to language and music subjects.

Half year subjects and codes	Full year subjects and codes
Biotechnology (BOT)	Art (ART)
Business (BUS)	English Second Language (ESL)
Food Technology (FOT)	French (FRE)
Graphics & Design (GDH)	Graphics & Design (GDN)
Info & Comm Tech (ICT)	Japanese (JAP)
Media Studies (MED)	Music (MUS)
Performing Arts (PFA)	Performance Music (PFM)
Technology Electronics (TEH)	Te Reo Maori (MAO)
Technology Multi-materials (TMH)	Technology Electronics (TCE)
Tourism (TRM)	Technology Fabrics (TCF)
	Technology Multi-materials (TCM)

YEAR 11

Most students will take five subjects at this level – English, Maths, Science and two other subjects. All subjects offer Achievement Standards and/or Unit Standards towards a Level 1 National Certificate of Educational Achievement (NCEA). Prerequisites apply to some subjects indicating the minimum level of performance required to gain subject entry. A number of students will be allowed to select six subjects. If you wish to be considered for six subjects please indicate this on your option form. Students will be interviewed by Mrs Brightmore or Mrs Singh and their progress for 2008 reviewed before gaining admission to six subjects for 2009.

YEAR 12

Students study English plus four additional subjects. Most Year 12 students work towards Level 2 NCEA. It is possible to study at more than one level eg. a Year 12 student may study a number of subjects at Year 11 level. Prerequisites apply to many subjects indicating the minimum level of performance required to gain subject entry.

YEAR 13

Most Year 13 students work towards Level 3 NCEA. Prerequisites apply to many subjects indicating the minimum level of performance required to gain subject entry.

It is important that students take subjects designed to facilitate their transition from school to tertiary study or work. All students should be familiar with NCEA, and in particular the requirements for University Entrance and restricted entry tertiary courses. Some information is contained in this booklet. Further information is available from the Careers Department: Mrs Brightmore, Ms Hodge, Ms McCarthy.

NATIONAL CERTIFICATE OF EDUCATIONAL ACHIEVEMENT

New Zealand's qualification for school learners is the National Certificate of Educational Achievement – NCEA. NCEA is a qualification on New Zealand's National Qualifications Framework (NQF). It sits alongside more than 800 other national qualifications used throughout tertiary education and industry training.

- NCEA is achievement based. National standards have been set in each area of learning. When students achieve these standards they earn credits towards their NCEA qualification.
- The NQF contains two types of national standards: Achievement Standards and Unit Standards. Credits from both types of standards count towards NCEA.
- Achievement Standards allow students to show the quality of their achievement in a standard – students can just achieve the standard, or achieve it with merit or with excellence.
- For Unit Standards students can either achieve the standard by meeting the criteria or not achieve the standard. There are no merit or excellence grades.
- Some Achievement Standards are assessed in school during the year (internally), other Achievement Standards are assessed externally (usually in end of year exams).
- All Unit Standards are internally assessed.

NCEA results

In January the New Zealand Qualifications Authority issues students with a full profile of their achievement in each subject. This interim results notice shows:

- The student's credits and grades for each standard.
- How the students' achievement compared with the achievement of other students across the country in each standard.

NZQA will also provide each student with a record of learning which summarises all of the standards, credits and qualifications to date.

How do students complete a qualification?

There are three NCEA qualifications. The requirements for each level are shown below:

- Level 1** - 80 credits from any level, including 8 literacy and 8 numeracy credits.
- Level 2** - 80 credits, with at least 60 credits from Level 2 or higher.
- Level 3** - 80 credits, with at least 60 credits from Level 3 or higher. Any credits below Level 3 must be from Level 2.

Level 2 or 3 NCEA certificates are able to be endorsed with Merit or Excellence. Students who gain a certificate with 50 or more credits at Merit or better will have "Merit" endorsed on their NCEA Certificate, while 50 credits at Excellence level are needed for the "Excellence" endorsement. The credits must be at the level of the certificate.

UNIVERSITY ENTRANCE

Students who want to study at University must ensure that the subjects they select at school allow them to qualify for university entry into any restricted entry courses that they are interested in.

You will be qualified for entrance to a University in New Zealand if you have obtained:

Level 3 – At least 14 credits in each of two approved subjects and a further 14 credits at Level 3 or higher from no more than two additional domains on the National Qualifications Framework.

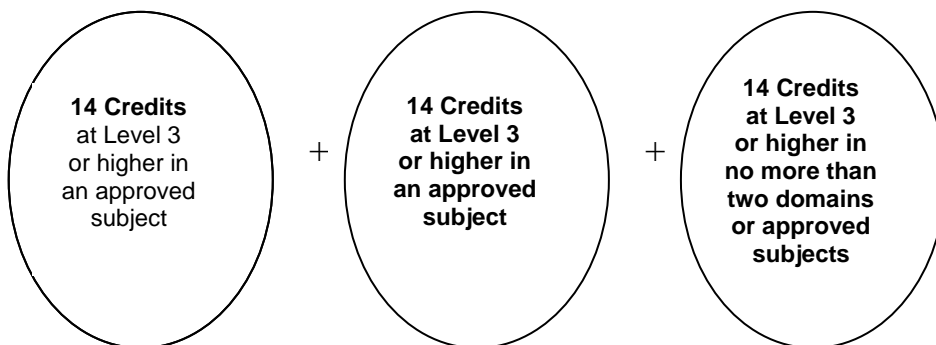
Literacy – At least 8 credits at Level 2 or higher in English or Te Reo Maori; 4 credits must be in reading and 4 credits must be in writing. **NB:** Students who do not meet this requirement and want to qualify for University Entrance **must select English or English Alternative as one of their Year 13 subjects.**

Numeracy – At least 14 credits at Level 1 or higher in Mathematics.

Achievement from subjects that are not in the approved subjects list can be used for University Entrance purposes provided that 14 credits come from no more than two domains.

Summary:

For University Entrance you must have 42 credits at Level 3 including:



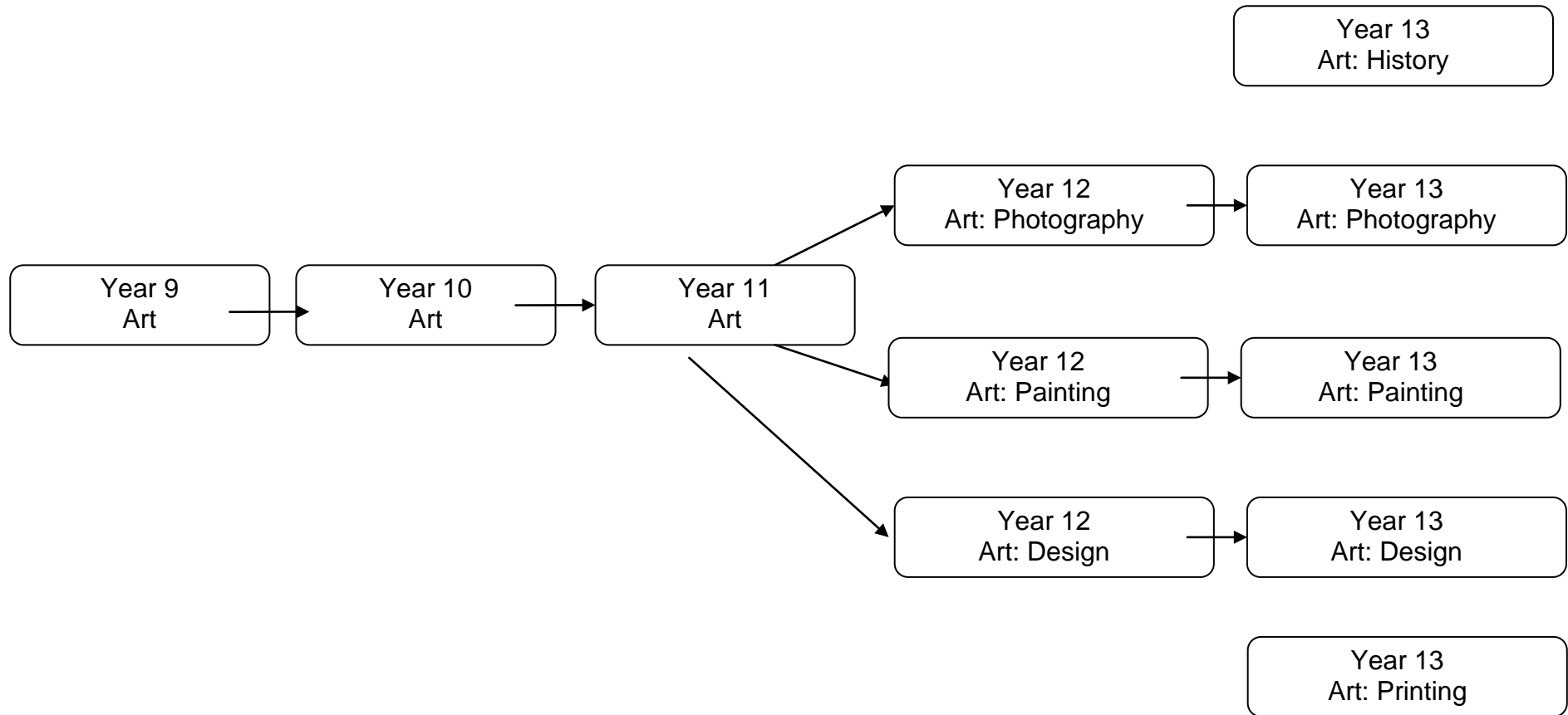
You must also have:

- 14 credits in Mathematics at Level 1 or higher
- 4 credits in Reading at Level 2 or higher
- 4 credits in Writing at Level 2 or higher

Approved subjects for University Entrance:

Accounting	Geography	Music
Agriculture and Horticulture	German	Painting (Practical Art)
Biology	Graphics	Photography (Practical Art)
Chemistry	Health Education	Physical Education
Chinese	History	Physics
Classical Studies	History of Art	Printmaking (Practical Art)
Computing	Indonesian	Samoan
Cook Island Maori	Japanese	Science
Dance	Korean	Sculpture (Practical Art)
Design (Practical Art)	Latin	Social Studies
Drama	Maths with Calculus	Spanish
Economics	Statistics & Modelling	Technology
English	Media Studies	Te Reo Rangatira or Te Reo Maori
French		

ART (VISUAL ARTS)



10 PRACTICAL ART

10ART

Course Description

This course is for students who wish to continue with Practical Art. Basic skills introduced at Year 9 are extended through a range of practical assignments.

Course Costs: \$30.00 for art kit.

Where will it lead to?

Year 10 Practical Art is an important prerequisite for Level 1 Practical Art in Year 11, and Design, Painting and Photography in Year 12.

Enquiries: Mr Stone / Mr Benecki / Ms Grober

11 PRACTICAL ART

11ART

Entry Requirements

Year 10 Practical Art or at the discretion of the HOD.

ART on their option form

Course Description

This is a practical course in which students follow a theme through a range of art practices (drawing, painting, printmaking, design, and sculpture). It will provide students with a range of skills in preparation for Level 2 Practical Art or Design.

Course Costs: \$45.00 for art kit.

Enquiries: Mr. Stone / Ms Grober

Credits Available		
	Level 1	
	AS	US
Internal	12	
External	12	
		Total 24

12 PRACTICAL ART: DESIGN

12DES

Entry Requirements

At least 12 credits in Year 11 Practical Art or at the discretion of the HOD.

ART: DES on their option form

Course Description

This course introduces students to design methods of problem solving in two and three dimensions through research, drawing, exploring and developing ideas to the end product. Photoshop Elements is taught.

Course Costs: \$50.00 for art kit. This does not include printer costs.

Enquiries: Mr Stone / Ms Grober

Credits Available		
	Level 2	
	AS	US
Internal	12	
External	12	
		Total 24

12 PRACTICAL ART: PAINTING

12PNT

Entry Requirements

Year 11 Practical Art or at the discretion of the HOD.

ART: PNT on their option form

Course Description

This course is designed to develop an understanding of methods and concepts which underlie the making of Art. Areas of study are drawing, painting, sculpture and creative problem solving.

Course Costs: \$50.00 for art kit.

Enquiries: Mr Stone / Ms Grober /Mr Benecki

Credits Available		
	Level 2	
	AS	US
Internal	12	
External	12	
		Total 24

12 PRACTICAL ART: PHOTOGRAPHY

12PHT

Entry Requirements

Year 11 Practical Art or at the discretion of the HOD.

ART: PHT on their option form

Course Description

A creative approach to making photographic images. Covers camera operation, film processing, printing, composition, development of critical abilities, knowledge of various uses of photography, including digital work and mounting and display skills. Assignments are set covering these areas. Most work involves traditional "wet" technology, but includes some digital photography.

Course Costs: \$165 (approx.) for materials kit. (Does not include digital printing costs.)

Enquiries: Mr Stone

Credits Available		
	Level 2	
	AS	US
Internal	12	
External	12	
		Total 24

13 PRACTICAL ART

ART PRACTICAL

These are specialist courses for students wishing to continue to develop their own artistic techniques and knowledge. Practical art at this level leads to further technical, trade or university courses, or if you are considering a career in any creative field.

Art at Year 13 can count as a double subject (i.e. it is then timetabled into options and it counts as two subjects in any Year 13 course structure), or it can be considered as one subject (i.e. it will then be timetabled in one option). You should take your chosen courses within the provided option structure to ensure full teacher contact. If this is not possible and you still want to take Art at Year 13 level, you will need to discuss your course with your art teacher and have it approved by Mr Stone, HOD Visual Art. Students follow a thematic approach and choose his/her specialisation from the following discipline:

13 PRACTICAL ART: DESIGN

13DES

Entry Requirements

At least 12 credits in Year 12 Practical Art or at the discretion of the HOD. Students should have basic training in Photoshop Elements.

ART: DES on their option form

Course Description

This course extends the student's abilities to solve design problems through research, drawing, exploring and developing ideas to the end product.

Course Costs: \$70.00 for art kit. This does not include printer costs.

Enquiries: Mr Benecki

Credits Available		
	Level 3	
	AS	US
Internal	12	
External	12	
		Total 24

13 PRACTICAL ART: PAINTING

13PNT

Entry Requirements

At least 12 credits in Year 12 Practical Art or at the discretion of the HOD.

ART: PNT on their option form

Course Description

This course develops different concepts and methods in painting, producing drawings and paintings developed from students' studies and own ideas.

Course Costs: \$70.00 for art kit. This does not include printer costs.

Enquiries: Ms Grober

Credits Available		
	Level 3	
	AS	US
Internal	12	
External	12	
		Total 24

13 PRACTICAL ART: PHOTOGRAPHY

13PHT

Entry Requirements

NCEA Level 2, 12 Credits in Photography or Practical Art and approval from Mr Stone.

ART: PHT on their option form

Course Description

This course extends the student's knowledge of black and white and / or digital processes and procedures. Students will produce a thematic study that shows evidence of understanding of photography as picture making.

Course Costs: Approximately \$200.00 for the year. This does not include printer costs.

Enquiries: Mr Stone

Credits Available		
	Level 3	
	AS	US
Internal	12	
External	12	
		Total 24

13 PRACTICAL ART: PRINTMAKING

13PRN

Entry Requirements

At least 12 credits in Year 12 Practical Art or at the discretion of the HOD.

ART: PRN on their option form

Course Description

This course develops practical knowledge of different printmaking methods and techniques. Students produce drawings and paintings developed from their studies and own ideas.

Course Costs: \$70.00 for art kit. This does not include printer costs.

Enquiries: Ms Grober

Credits Available		
	Level 3	
	AS	US
Internal	12	
External	12	
		Total 24

13 ART HISTORY

13ARH

Entry Requirements

At least 10 Achievement Standard credits in NCEA Level 2 English.

ART: ARH on their option form

Course Description

In this course students learn to analyse and make informed comment on artists, their work, the techniques they use and their place within society. Three different periods of Art are studied in the year's course.

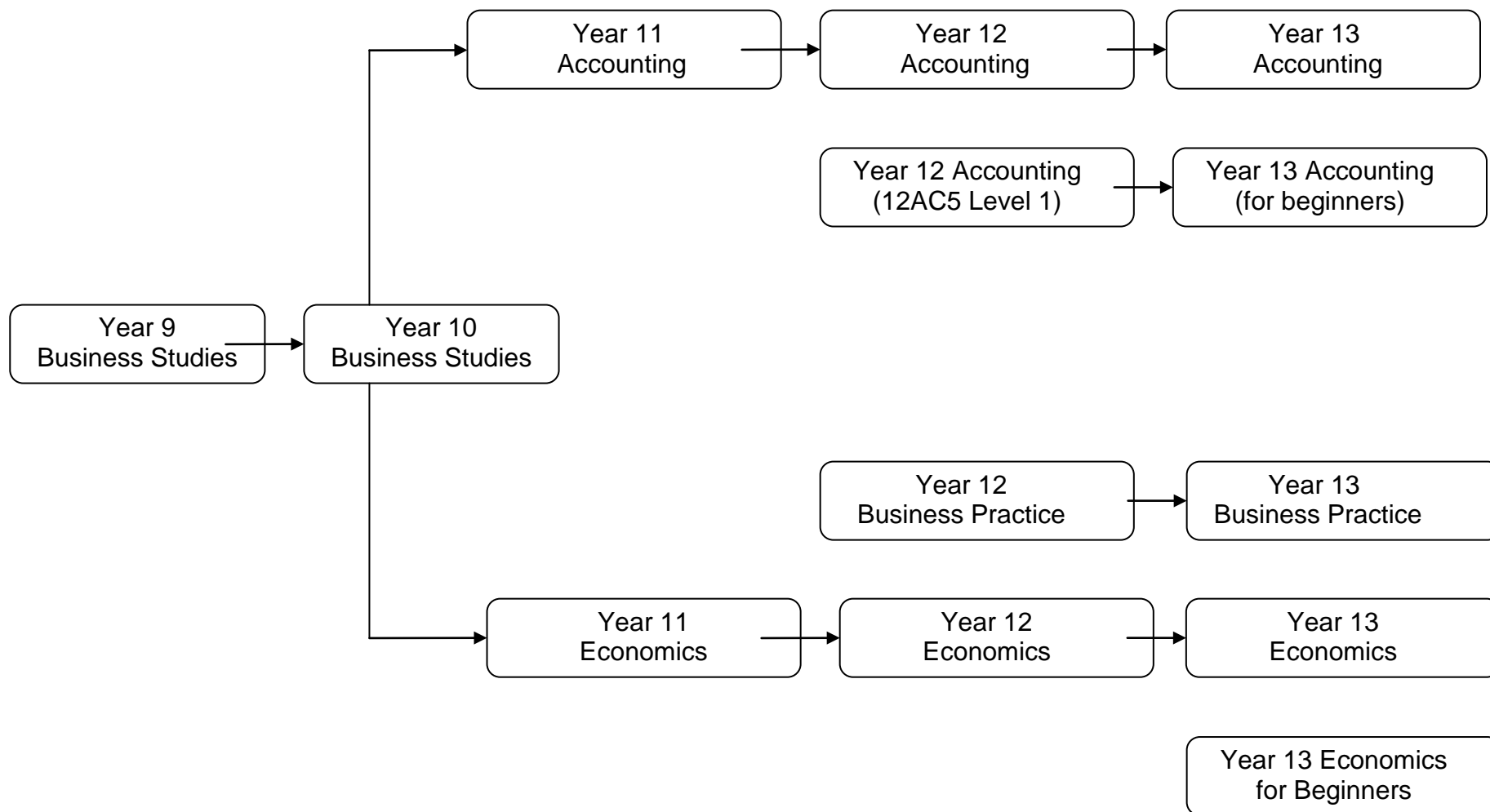
This is not a practical subject, no drawing ability is required, however a good comprehension of written English is essential.

Course Costs: \$60.00 for a set of 4 resource booklets.

Enquiries: Mr Stone

Credits Available		
	Level 3	
	AS	US
Internal	12	
External	12	
		Total 24

BUSINESS AND COMMERCE



Note: This diagram does not illustrate the prerequisites for each course. Student entry into **Commerce** is available at each level or discretionary entry is given by the HOD.

10 BUSINESS STUDIES – HALF YEAR COURSE

10BUS

Course Description

This course builds on the knowledge gained in Year 9 as well as giving you practical business skills. You study three main topics:

- Economics – the study of people’s buying behaviour and how to make wise decisions
- Enterprise Studies – you learn the qualities and skills enterprising people have and what makes a business run successfully. You will participate in a Trade Fair where you design, make and sell your very own product.
- Accounting – you study how a business keeps track of its money and the financial reports used to make decisions

Course Costs: Student workbook \$15.00

Where will it lead to?

Both Year 11 Accounting and Year 11 Economics Studies

Enquires about this course

Please see Mr. Parratt or Mr. Hays (Commerce Department – Next to H6)

11 ACCOUNTING

11ACC

Entry Requirements

None. Students do not need to have studied Year 10 Business Education. Students who have English as their second language should choose **ACC (ESL)** on their option form

Course Description

This introductory Accounting course is for students who are interested in the subject or those who would like to pursue a career in business or enrol in a Commerce course at Polytechnic or University. It will provide students with a range of skills to understand basic Accounting information as an individual, a club member or an owner of a business.

Course Costs: Up to \$30.00 for student workbooks

Enquiries: Please see Mr. Parratt or Mr. Subramaniyan (Commerce Department – Next to H6)

Credits Available		
	Level 1	
	AS	US
Internal	7	
External	17	
		Total 24

11 ECONOMICS

11ECS

Entry Requirements

None. Students do not need to have studied Year 10 Business Education.

Course Description

Economics is recommended for students interested in the subject or those considering University and Polytechnic courses in Commerce, Agriculture, Geography, Media and the Arts. It provides students with an insight into the ways consumers, producers and the government operate in our economy and the theory and concepts taught are useful in understanding newspaper and television reports on current economic matters.

Course Costs: Up to \$30.00 for student workbooks

Enquiries: Please see Mr Parratt or Mr Cornes (Commerce Department – Next to H6)

Credits Available		
	Level 1	
	AS	US
Internal	5	
External	19	
		Total 24

12 ACCOUNTING

12ACC

Entry Requirements

Year 12 students who wish to pick up Accounting may do so, but must choose to study Level 1 Accounting (**12AC5**)

Year 12 Accounting students must have achieved 8 literacy credits and 12 Level 1 Accounting credits including AS 1.1 (90022) and/or AS 1.5 (90026)

Course Description

This course is intended for students who wish to continue their studies in Accounting at Year 13 or intend to pursue a business career. It provides students with an opportunity to build on the skills developed in Year 11 and will introduce new skills such as accounting for GST and preventing business fraud.

Course Costs: Up to \$30.00 for student workbooks

Enquiries: Please see Mr Parratt or Mr Subramaniyan (Commerce Department–Next to H6)

Credits Available		
Level 2		
	AS	US
Internal	7	
External	17	
		Total 24

12 BUSINESS PRACTICE

12BSP

Entry Requirements

8 NCEA Level 1 Literacy credits OR at the discretion of the HOD

Course Description

This course teaches students the fundamental skills of business practice which include the use of business documents, processing cash transactions into journals and office administration procedures. The skills taught are useful for those students who want to become self employed or seek employment opportunities in an office environment.

Course Costs: Up to \$15.00 printing costs plus the fee required for the Unit Standards

Enquiries: Please see Mr. Parratt (Commerce Department – Next to H6)

Credits Available		
Level 2		
	AS	US
Internal		Up to 22
External		
		Total 22

12 ECONOMICS

12ECS

Entry Requirements

At least 8 Level 1 Literacy credits. Students who elect this course must have a sound work ethic and be committed to their studies.

Course Description

Economics is recommended for students interested in the subject and the Level 2 course is designed to allow students to explore key Economic issues in New Zealand. The course begins with basic economic theory, concepts and models and then provides students with an in-depth study of the economic issues of Growth, Trade, Inflation and Government Policies.

Course Costs: Up to \$30.00 for student workbooks

Enquiries: Please see Mr. Parratt or Mr. Cornes (Commerce Department – Next to H6)

Credits Available		
Level 2		
	AS	US
Internal	5	
External	19	
		Total 24

13 ACCOUNTING

13ACC

Entry Requirements

12 Level 2 Accounting credits including AS 2.1 (90220) or AS 2.5 (90224) OR with discretion of HOD

Course Description

This course is intended for students who wish to gain University entrance in a related field of study such as Commerce, Law, Engineering or Arts. The course builds on studies offered at earlier levels of Accounting as well as introducing new skills to understand both the operations of and accounting for partnerships, companies and manufacturing enterprises.

Course Costs: Up to \$30.00 for student workbooks

Enquiries: Please see Mr Parratt or Mr Subramaniyan
(Commerce Department – Next to H6)

Credits Available		
Level 3		
	AS	US
Internal	5	
External	19	
		Total 24

13 ACCOUNTING FOR BEGINNERS

13ACB

Entry Requirements

This subject is available to Year 13 students who are undertaking a **full NCEA Level 3 Course of Study**

Students who elect this course must have a sound work ethic and must be committed to their studies. This will be established by a student's prior school record.

Students should have a good understanding of English, but do not need to have attempted Accounting previously.

All students will be interviewed by the HOD

Course Description

This course is intended for students who wish to gain University entrance in a related field of study such as Commerce, Law, Engineering or Arts. The course introduces fundamental Accounting practices and then applies these new skills to gain an understanding of level three topics taught such as partnerships, companies and manufacturing enterprises enabling students to successfully gain Level 3 Accounting credits.

Course Costs: Up to \$30.00 for student workbooks

Enquiries: Please see Mr. Parratt or Mr. Subramaniyan
(Commerce Department – Next to H6)

Credits Available		
Level 3		
	AS	US
Internal	5	4
External	15	
		Total 24

13 BUSINESS PRACTICE

13BSP

Entry Requirements

8 NCEA Level 1 Literacy credits OR at the discretion of the HOD

Course Description

This course teaches students the fundamental skills of business practice at a more advanced level than the Year 12 Business Practice course which include the general requirements of financial records in a business and using computer accounts receivable and accounts payable systems. The skills taught are useful for those students who want to become self employed or seek employment opportunities in an office environment.

Course Costs: Up to \$15.00 printing costs plus the fee required for the Unit Standards

Enquiries: Please see Mr. Parratt (Commerce Dept – Next to H6)

Credits Available		
	Level 3	
	AS	US
Internal		Up to 23
External		
		Total Up to 23

13 ECONOMICS

Entry Requirements

12 Level 2 Economics credits including AS 2.4 (90797) OR with the discretion of HOD

Course Description

This course is intended to provide background knowledge for students who wish to study Economics or related fields of study such as Agriculture, Geography or the Arts at University or Polytechnic. The course is both theoretical and practical, giving an insight into both New Zealand and world economies and provides students with an understanding of contemporary economic issues.

Course Costs: Up to \$30.00 for student workbooks

Enquiries: Please see Mr. Parratt or Mr. Cornes (Commerce Department – Next to H6)

Credits Available		
	Level 3	
	AS	US
Internal	5	
External	19	
		Total 24

13 ECONOMICS FOR BEGINNERS

13ECB

Entry Requirements

This subject is available to Year 13 students who are undertaking a **full NCEA Level 3 Course of Study**

Students who elect this course must have a sound work ethic and must be committed to their studies. This will be established by a student's prior school record.

Students should have a good understanding of English, but do not need to have attempted Economics previously.

All students will be interviewed by the HOD

Course Description

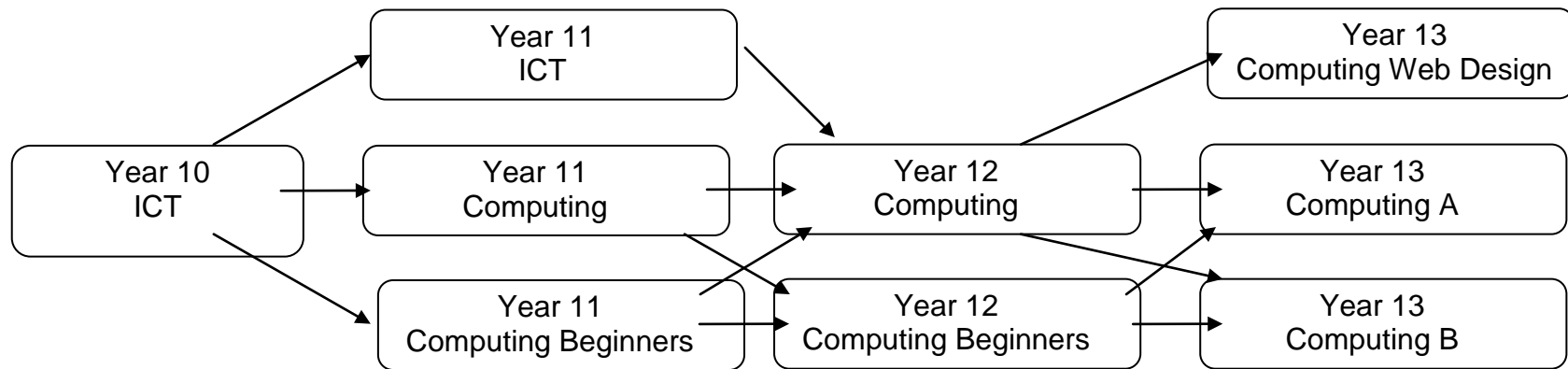
This course is intended to provide background knowledge for students who wish to study Economics or related fields of study such as Agriculture, Geography or the Arts at University or Polytechnic. The course introduces fundamental economic concepts and applies these skills to both New Zealand and world economies enabling students to successfully gain Level 3 Economics credits.

Course Costs: Up to \$30.00 for student workbooks

Enquiries: Please see Mr. Parratt or Mr. Cornes (Commerce Department – Next to H6)

Credits Available		
	Level 3	
	AS	US
Internal	5	Up to 10
External	Up to 19	
		Total Up to 24

COMPUTING



Note: This diagram does not illustrate the prerequisites for each course. Student entry into **Computing** is available at each level or discretionary entry is given by the HOD.

10 ICT – HALF YEAR COURSE

10ICT

Course Description

Half year Course

ICT teaches you a range of skills in Computing. You will use Excel, Word, Publisher, the Internet and Flash. You will also learn correct keyboarding, paint and draw skills and desktop publishing layouts. There will be an opportunity to attempt some Level 1 standards.

Course Costs; \$15.00

Where will it lead to?

This course leads to NCEA Level 1, 2 and 3 Computing. These are important skills that will be useful to you in the future.

11 COMPUTING

11CMP

Entry Requirements

Successful completion of Year 10ICT, or at the discretion of the HOD.

Course Description

This course is a desirable component of a broad general education for all students and would be useful for students intending to pursue tertiary studies or for personal use and employment opportunities. Students learn skills in correct keyboarding, desktop publishing, spreadsheets, research, safe Internet use and composition.

Course Costs: \$30.00

Enquiries: Mrs Insull

Credits Available		
	Level 1	
	AS	US
Internal	12	
External	12	
		Total 24

11 COMPUTING BEGINNERS

11CMB

Entry Requirements: None.

Course Description

This course is designed to develop students' knowledge and use of the computer. Students learn skills in correct keyboarding, desktop publishing, spreadsheets, research, safe Internet use and composition.

Course Costs: \$30.00

Enquiries: Mrs Insull

Credits Available		
	Level 1	
	AS	US
Internal	12	
External	8	
		Total 20

11 ICT

11ICT

Entry Requirements

Successful completion of Year 10 ICT or another Year 10 Technology course, or at the discretion of the HOD.

Course Description

This course is designed for the more able students from Year 10ICT, or another Technology area. Students will be creating documents, such as a CD or a website, to present to a client. The emphasis is on developing and extending skills and theory and also keeping up-to-date with new technologies. This course is assessed using Technology Achievement Standards.

NB: STUDENTS MAY CHOOSE ONLY ONE TECHNOLOGY SUBJECT.

Course Costs: \$30.00

Enquiries: Mrs Insull

Credits Available		
Level 1		
	AS	US
Internal	12	
External	12	
		Total 24

12 COMPUTING

12CMP

Entry Requirements

A minimum of 12 Level 1 Computing credits including one externally assessed Achievement Standard, or at the discretion of the HOD.

Course Description

This course aims to enhance readiness for further study in Computing and its related fields in subsequent years. It involves the completion of a number of projects using a variety of software applications, such as Dreamweaver, Photoshop, Excel and Access. Students will sit a mixture of Achievement and Unit Standards. This course leads to 13 Web Design.

Course Costs: \$30.00

Enquiries: Mrs Insull/Mr Sergeant

Credits Available		
Level 2		
	AS	US
Internal	Up to 10	Up to 14
External		
		Total 24

12 COMPUTING BEGINNERS

12CMB

Entry Requirements

Literacy and numeracy at Level 1, or at the discretion of the HOD.

Course Description

This is a course intended for students who wish to pick up Computing at Year 12, or who have not met the requirements for 12CMP. It involves students completing a number of projects using a range of applications, such as PowerPoint and Photoshop

Course Costs: \$30.00

Enquiries: Mrs Insull

Credits Available		
Level 2		
	AS	US
Internal		Up to 15
External		
		Total Up to 15

13 COMPUTING A

13CMP

Entry Requirements

12 Level 2 Computing credits, or at the discretion of the HOD.

Course Description

This course aims to enhance readiness for further study in Computing and related fields. Students complete a number of projects using a variety of applications, such as Dreamweaver, Photoshop and InDesign.

There is an opportunity to attempt Achievement Standards for more able students.

Course Costs: \$30.00

Enquiries: Mrs Insull

Credits Available		
	Level 3	
	AS	US
Internal	Up to 12	Up to 18
External		Total 18

13 COMPUTING B

13CMB

Entry Requirements

Year 12 Computing Beginners course with a minimum of 8 credits at Level 2 Computing, or at the discretion of the HOD.

Course Description

This course aims to enhance readiness for further study in Computing and related fields for students who do not have much experience using computers. Students complete a number of projects using a variety of applications, such as PowerPoint and Photoshop.

Course Costs: \$30.00

Enquiries: Mrs Insull/Mr Sergeant

Credits Available		
	Level 3	
	AS	US
Internal		Up to 14
External		Total 14

13 COMPUTING WEB

13CMW

Entry Requirements

16 Level 2 Computing Standards, including US18735, or at the discretion of the HOD.

Course Description

This course involves students completing projects using a variety of software applications, such as Dreamweaver, Flash and Photoshop. Upon completion of the course students will be well prepared to continue on to further studies in Web Design or other related fields. Students sit a number of Technology Achievement and Unit Standards.

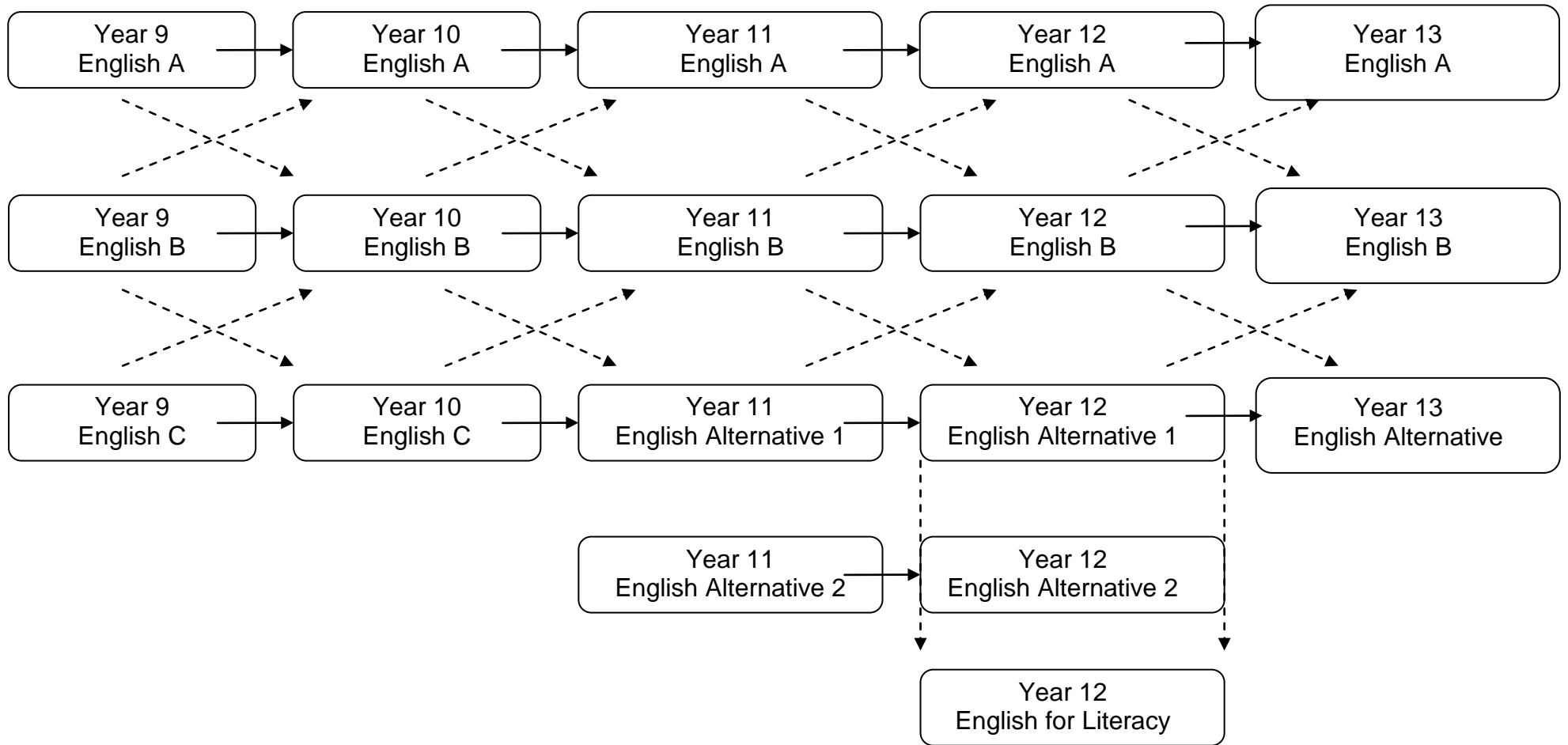
Scholarship entry is an option for more able students.

Course Costs: \$30.00

Enquiries: Mrs Insull/Mr Sergeant

Credits Available		
	Level 3	
	AS	US
Internal	Up to 12	Up to 12
External		Total 24

ENGLISH



Note: This diagram does not illustrate the prerequisites for each course. Student entry into **English** is available at each level or discretionary entry is given by the HOD

11 ENGLISH

11ENGA

Entry Requirements

Students need to have achieved at a Merit or Excellence level for many of their Year 10 English assessments to be placed in this course.

Course Description

This course is intended for those students who enjoy literature study and who intend to go on to do English in Year 13. The course will be made up mainly of Achievement Standards and will include several external exam standards. The course will enable students to gain NCEA literacy credits.

Course Materials: Exemplar pack

Course Costs: Up to \$20.00 for student workbooks

Enquiries: Please see Mr. Hawthorne or Mr McKissock-Davis
(English Department – in E Block)

Credits Available		
Level 1		
	AS	US
Internal	6	7
External	12	
		Total 25

11 ENGLISH

11ENGB

Entry Requirements

Students need to have achieved most of their Year 10 English assessments to be placed in this course.

Course Description

This course is intended for students who enjoy English but who may not intend going on to English in Year 13. The course is made up of a mixture of Achievement and Unit Standards. It includes a theme study of different texts and an emphasis on attaining the reading and writing credits needed for NCEA literacy.

Course Materials: Exemplar pack

Course Costs: Up to \$20.00 for student workbooks

Enquiries: Please see Mr. Hawthorne or Mr McKissock-Davis
(English Department – in E Block)

Credits Available		
Level 1		
	AS	US
Internal	6	7
External	9	
		Total 22

11 ALTERNATIVE ENGLISH

11EA1

Entry Requirements

Students will be placed in this course if they struggled to achieve in their Year 10 English assessments.

Course Description

This course is designed for students who may struggle with reading and writing. The course will have a theme study approach as its focus and will enable students to get the credits needed for NCEA literacy

Course Materials: Exemplar pack

Course Costs: Up to \$20.00 for student workbooks

Enquiries: Please see Mr. Hawthorne or Mr Douglas
(English Department – in E Block)

Credits Available		
Level 1		
	AS	US
Internal		23
External		
		Total 23

11 ALTERNATIVE ENGLISH

11EA2

Entry Requirements

Students need not have completed Year 10 English but may need to complete a language test to see if they have the skills to do Level 1 English.

Course Description

This course is designed for students who are speakers of other languages and who may be relatively new to New Zealand. The course will have a theme study approach as its focus and will enable students to get the credits needed for NCEA literacy. The course will be made up of Unit Standards.

Course Materials: Exemplar pack

Course Costs: Up to \$20.00 for student workbooks

Enquiries: Please see Mr. Hawthorne or Mr Douglas
(English Department – in E Block)

Credits Available		
Level 1		
	AS	US
Internal		23
External		
		Total 23

12 ENGLISH

12ENGA

Entry Requirements

Students need to have achieved more than 15 credits in Level 1 English. At least six of these credits need to have come from external exam standards.

Course Description

This course is intended for those students who enjoy literature study and who intend to go on to do Level 3 English next year. The course will be made up mainly of Achievement Standards and will include several external exam standards. It will provide students with UE literacy credits.

Course Materials: Exemplar pack

Course Costs: Up to \$20.00 for student workbooks

Enquiries: Please see Mr. Hawthorne or Ms Logan
(English Department – in E Block)

Credits Available		
Level 2		
	AS	US
Internal	9	4
External	12	
		Total 25

12 ENGLISH

12ENGB

Entry Requirements

Students need to have achieved 12 or more credits in Level 1 English. Of these 12 credits 4 need to be 'reading' credits and 4 need to be 'writing' credits.

Course Description

This course is intended for students who enjoy literature study, but may not intend to do English at Level 3. The course is made up of a mixture of Achievement and Unit Standards. It includes a theme study of different texts and an emphasis on attaining the reading and writing credits needed for UE literacy.

Course Materials: Exemplar pack

Course Costs: Up to \$20.00 for student workbooks

Enquiries: Please see Mr. Hawthorne or Ms Logan
(English Department – in E Block)

Credits Available		
Level 2		
	AS	US
Internal	9	9
External	9	
		Total 27

12 ALTERNATIVE ENGLISH

12EA1

Entry Requirements

Students need to have achieved 10 or more credits in Level 1 English.

Course Description

This course is designed for students who may struggle with reading and writing and who prefer to gain their credits through internal assessments. The course will have a theme study as its focus and will enable students to get the credits needed for UE literacy. The course will be made up of Unit Standards.

Course Materials: Exemplar pack

Course Costs: Up to \$20.00 for student workbooks

Enquiries: Please see Mr. Hawthorne or Mr Douglas
(English Department – in E Block)

Credits Available		
Level 2		
	AS	US
Internal		20
External		
		Total 20

12 ALTERNATIVE ENGLISH

12EA2

Entry Requirements

Students need not have completed any Level 1 English standards but may need to complete a language test to see if they have the skills to do Level 2 English.

Course Description

This course is designed for students who are speakers of other languages and who may be relatively new to New Zealand. The course will have a theme study as its focus and will enable students to get the credits needed for UE literacy. The course will be made up of Unit Standards.

Course Materials: Exemplar pack

Course Costs: Up to \$20.00 for student workbooks

Enquiries: Please see Mr. Hawthorne or Mr Douglas
(English Department – in E Block)

Credits Available		
Level 2		
	AS	US
Internal		20
External		
		Total 20

12/13 ENGLISH FOR LITERACY

12/13ENL

Entry Requirements

Students will be in their 4th or 5th year of high school. Students may not have completed any Level 1 English standards needed for NCEA literacy.

Course Description

This course is designed for students who may not have passed any English standards at Level 1 and who need to ensure they gain the literacy credits needed to obtain an NCEA qualification. The course will include some literature but will have a focus on improving reading and writing skills.

Course Materials: Exemplar pack

Course Costs: Up to \$20.00 for student workbooks

Enquiries: Please see Mr. Hawthorne or Mr Douglas
(English Department – in E Block)

Credits Available		
Level 2		
	AS	US
Internal		18
External		
		Total 18

13 ENGLISH A

13ENGA

Entry Requirements

Students need to have achieved at least 15 credits in Level 2 English. Six of these credits must have come from external exam standards.

Course Description

This course is intended for those students who enjoy literature study and analysing different texts. The course will be made up mainly of Achievement Standards and will include several external exam standards. The course will enable students to gain University Entrance. Students wanting to enrol for Scholarship English must be doing this course.

Course Materials: Exemplar pack

Course Costs: Up to \$20.00 for student workbooks

Enquiries: Please see Mr. Hawthorne or Mrs Burns
(English Department – in E Block)

Credits Available		
	Level 3	
	AS	US
Internal	10	
External	14	
		Total 24

13 ENGLISH B

13ENGB

Entry Requirements

Students need to have achieved at least 12 credits in Level 2 English to be eligible for this course and will have at least some of the UE literacy credits.

Course Description

This course is intended for students who enjoy English but who may perform better in internal assessment conditions. The course is made up of a mixture of Achievement and Unit Standards. It includes a theme study of different texts and an emphasis on attaining the credits needed for University Entrance.

Course Materials: Exemplar pack

Course Costs: Up to \$20.00 for student workbooks

Enquiries: Please see Mr. Hawthorne or Mrs Burns
(English Department – in E Block)

Credits Available		
	Level 3	
	AS	US
Internal	8	12
External	6	
		Total 26

13 ALTERNATIVE ENGLISH

13ENA

Entry Requirements

Students need to have achieved at least 8 Level 2 English credits to be eligible for this course, but they may not yet have UE literacy credits.

Course Description

This course is designed for students who may struggle with reading and writing and who have not yet obtained the credits they need for UE literacy but who intend to go on to university or tertiary study. The course will have a theme study approach and its focus is on ensuring that students get the credits needed for UE literacy.

Course Materials: Exemplar pack

Course Costs: Up to \$20.00 for student workbooks

Enquiries: Please see Mr. Hawthorne or Mr Douglas
(English Department – in E Block)

Credits Available		
	Level 3	
	AS	US
Internal		18
External		
		Total 18

10 ENGLISH AS A SECOND LANGUAGE**10ESL****Course Description**

This course is for students who do not have English as their first language.

This course focuses on academic reading, writing and listening skills, to better prepare students for NCEA.

Students will be able to attempt some ESOL Unit Standards, depending on their skill level.

Students will be selected by the ESL Department.

Course Costs: \$5

11 ENGLISH AS A SECOND LANGUAGE**11ESL****Entry Requirements**

None. This course is not open to students who have English as their first language. Students will be selected by the ESL Department.

Course Description

This course focuses on academic reading, writing, listening and speaking skills that will help students to cope in their mainstream classes. Students will work on either Level 1 or 2 standards, depending on their skill level. They will not do both.

Course Costs: \$5

Enquiries: See Mrs O'Connor in the ESL Workroom – next to D11

Credits Available				
	Level 1		Level 2	
	AS	US	AS	US
Internal		25		25
External				
				Total 25

12 ENGLISH AS A SECOND LANGUAGE**12ESL****Entry Requirements**

None. This course is not open to students who have English as their first language. Students will be selected by the ESL Department.

Course Description

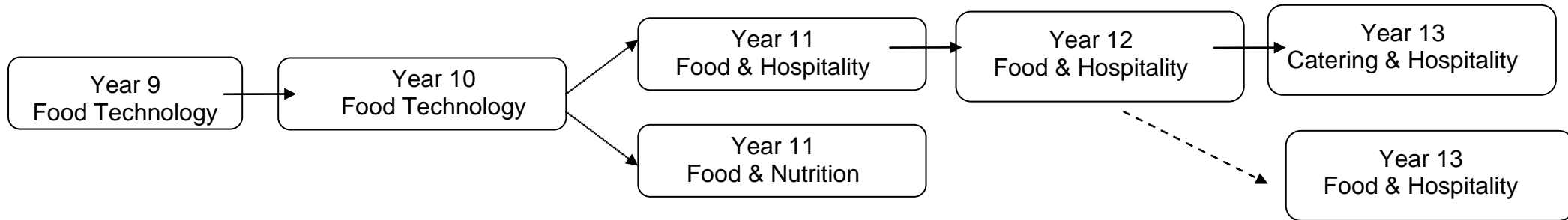
This course focuses on academic reading, writing, listening and speaking skills that will help students to cope in their mainstream classes. Students will work on either Level 2 or 3 standards, depending on their skill level. They will not do both.

Course Costs: \$5

Enquiries: See Mrs O'Connor in the ESL Workroom – next to D11

Credits Available				
	Level 2		Level 3	
	AS	US	AS	US
Internal		25		25
External				
				Total 25

FOOD & HOSPITALITY



Note: This diagram does not illustrate the prerequisites for each course. Student entry into **Food & Hospitality** is available at each level or discretionary entry is given by the HOD

10 FOOD TECHNOLOGY - HALF YEAR COURSE

10FOT

Course Description

Food Technology is about developing, analysing and making food products. It is based on cultural, nutritional, environmental and consumer trends.

Students will:

- build knowledge and skills through safe food preparation
- develop solutions
- evaluate food through product testing and feedback

Course Costs: \$40.00 to contribute towards food costs

Where will it lead to?

- Year 11 Food and Hospitality (a Unit Standard course)
- Year 11 Food and Nutrition (an Achievement Standard course)

Students may take only ONE Year 11 course

11 FOOD AND HOSPITALITY

11FHS

Entry Requirements: Open

Course Description

This is a course based on the Hospitality Standards Institute (HSI) Unit Standards for those students who have a genuine interest in the study of food and its preparation, cooking and presentation.

Where will it lead to? Year 12 Food and Hospitality

Course Materials: HSI workbooks

Course Costs: \$70 to contribute towards food costs payable at the start of the year

Enquiries: Ms Luxford or Ms Fiore in the Food/Hospitality Department

Credits Available		
	Level 1	
	AS	US
Internal		24
External		
		Total 24

11 FOOD AND NUTRITION

11FAN

Entry Requirements: Open

Course Description

This course is more suited to A and B band students who are interested in studying Food and Nutrition through safe food preparation, cooking and service. It will allow opportunities to be creative through identifying, choosing and using appropriate foods for a variety of situations and the management of resources to achieve goals.

Where will it lead to?

- Year 12 Food and Nutrition will possibly be offered in 2009
- Year 12 Food and Hospitality

Course Costs: \$70 to contribute towards food costs payable at the star

Enquiries: Ms Luxford in the Food/Hospitality Department

Credits Available		
	Level 1	
	AS	US
Internal	15	
External	5	
		Total 20

12 FOOD AND HOSPITALITY

12FHS

Entry Requirements: Open

Course Description

This is a course based on the Hospitality Standards Institute (HSI) Unit Standards and focuses on the Food and Hospitality Industry. It will allow students to develop knowledge and skills associated with Food Safety, Cookery and Food and Beverage Service. It is intended for students with a genuine interest in Food and Beverage and for those considering a career in the Food and Hospitality Industry.

Credits Available				
	Level 1		Level 2	
	AS	US	AS	US
Internal		8		12
External				
				Total 20

Where will it lead to?

- Year 13 Catering and Hospitality with successful completion of US 167
- Year 13 Food and Hospitality if US 167 is not achieved
- Employment or further Tertiary study in the Food and Hospitality Industry

Course Materials: HSI workbooks

Course Costs: \$70 to contribute towards food costs payable at the start of the year

Enquiries: Ms Luxford or Ms Fiore Food/Hospitality Department

Students may take only ONE Year 13 course

13 CATERING AND HOSPITALITY

13CHS

Entry Requirements : US 167 - Practise food safety methods in a food business

Course Description

This course is based on Industry Unit Standards and is for those students who have an interest in Catering and Hospitality. Students will continue to develop their knowledge and skills covering units in cookery, espresso beverage making and service, as well as catering and table service. We work with both the Hospitality Standards Institute (HSI) and the Manukau Institute of Technology (MIT) - as part of their Schools Partnership Programme. Successful completion of this course involves commitment to out of school catering and practical assessments at MIT

Credits Available				
	Level 2		Level 3	
	AS	US	AS	US
Internal		16		7
External				
				Total 23

Where will it lead to?

- Employment or further Tertiary study in the Food and Hospitality Industry

Course Materials: HSI/MIT workbooks

Course Costs: \$100 to contribute towards food and transport costs payable at the start of the year

Enquiries: Ms Luxford or Ms Fiore in the Food/Hospitality Department

Entry Requirements: Open

Course Description

This course is for students who have not taken Food and Hospitality before or who have not achieved US 167. It is based on the Hospitality Standards Institute (HSI) Unit Standards and focuses on cookery skills in the Hospitality field. It also includes a unit on espresso beverage making and service covered in conjunction with the Manukau Institute of Technology (MIT) - as part of their Schools Partnership Programme.

Credits Available				
	Level 2		Level 3	
	AS	US	AS	US
Internal		16		3
External				

Total 19

Where will it lead to?

- Employment or further Tertiary study in the Food and Hospitality Industry

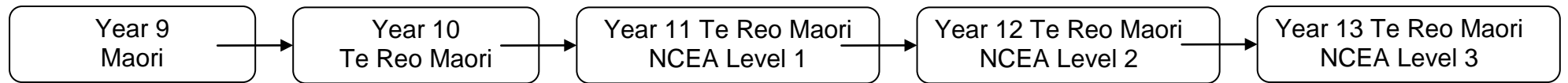
Course Materials: HSI/MIT workbooks

Course Costs: \$85 to contribute towards food and transport costs payable at the start of the year

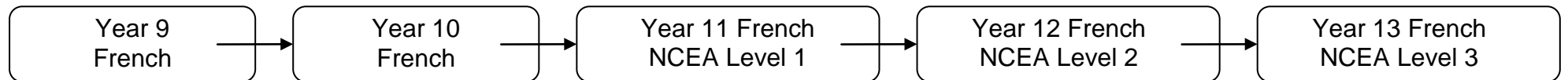
Enquiries: Ms Luxford or Ms Fiore in the Food/Hospitality Department

LANGUAGES

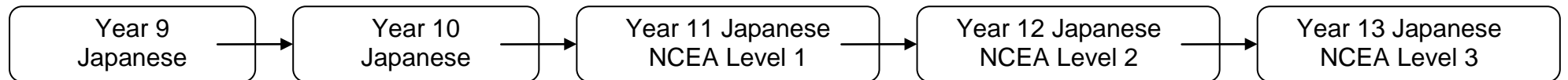
TE REO MAORI



FRENCH



JAPANESE



10 TE REO MĀORI

10MAO

Course Description

The course aims to develop students' ability to understand and communicate in Māori by speaking and writing. It will also enable students to appreciate the customs and culture of Māori. Students will be involved in communication activities and participate in trips.

Where will it lead to?

This course can lead to students taking Te Reo Māori in Years 11, 12 and 13. It will also give them an appreciation of Māori in New Zealand and could assist them with future employment.

Enquiries: Ms Tawhai

11 TE REO MĀORI

11MAO

Entry Requirements

Year 10 Te Reo Māori or at the discretion of the HOD.

Course Description

This course will provide a sound basis of language learning skills to prepare students for Level 1 NCEA Te Reo Māori . It will teach them to understand and communicate in oral and written forms of the language. Students will also develop an appreciation of Māori culture and customs. There is an expectation that students partake and support the Kapa Haka group.

Enquiries: MsTawhai

Credits Available		
Level 1		
	AS	US
Internal	12	
External	12	
		Total 24

12 TE REO MĀORI

12MAO

Entry Requirements

12 credits (at least 6 external credits) at NCEA level 1 Te Reo Māori or at the discretion of the HOD.

Course Description

This course is designed to progress from NCEA Level 1 Te Reo Māori, and to further assess the student's ability in the four major skill areas of: listening for understanding; speaking to communicate; reading/understanding written Māori; and writing in Māori to relate experiences. There is significant cultural content and an expectation that students partake in and support the Kapa Haka Group.

Enquiries: Ms Tawhai

Credits Available		
Level 2		
	AS	US
Internal	14	
External	10	
		Total 24

13 TE REO MĀORI

13MAO

Entry Requirements

12 credits (at least 4 external credits) at NCEA level 2 Te Reo Māori or at the discretion of the HOD.

Course Description

This course is designed to progress from NCEA Level 2 Te Reo Māori, and to further assess the student's ability in the four skill areas, of whakarongo, kōrero, pānui and tuhituhi. It aims to increase the language learning skills to prepare students for the Level 3 NCEA Te Reo Māori, and further tertiary study. There is a significant amount of cultural content and an expectation that students partake in and support the Kapa Haka Group.

Enquiries: MsTawhai

Credits Available		
	Level 3	
	AS	US
Internal	14	
External	10	
		Total 24

INTERNATIONAL LANGUAGES

10 FRENCH

10FRE

Course Description

This course aims to further develop a student's ability in French language and culture. The student will feel confident in communicating in French in all sorts of everyday situations.

Students will have the opportunity to take part in:

- a French Café trip in Term 3
- the biennial Homestay Tour to France
- pen pal writing to French students in France.
- magazines and films in French

You will learn to express yourself about things such as:

- communicating in everyday situations (around town, at school, at home, out with friends, etc)
- talking and writing about events
- daily routine, sports, shopping, eating out, pen-pal writing, directions, talking about trips and activities, etc.
- areas of French culture (including the French Revolution, Paris)

Where will it lead to?

Year 10 French leads to NCEA Levels 1, 2, 3 in Years 11, 12, 13.

Course Costs: None

Enquiries: Please see Mr McAlpine (A3), Miss Robertson (R4) or Miss Keating (A1)

10 JAPANESE

10JAP

Course Description

This course aims to further develop a student's ability in Japanese language and culture. The student will feel confident in communicating in Japanese in all sorts of everyday situations. There is also the opportunity to go on an exchange trip to Japan.

You will learn to express yourself about things such as:

- yourself, others and your family
- occupations
- the weather, seasons and dates
- hobbies and leisure activities
- school, school subjects and activities and how you feel about them
- your town
- travel and holidays

At this level the students add Katakana and a limited number of Kanji to the skill of writing in Hiragana that they acquired at Year 9.

Where will it lead to? Year 10 Japanese leads to NCEA Levels 1, 2, 3 in Years 11, 12, 13.

Course Costs: \$10

Enquiries: Please see Mrs Cave (A2), Miss Kojima (R3) or Miss Robertson (R4)

11 FRENCH

11FRE

Entry Requirements

Y10 French

Course Description

This course emphasises the use of French in practical, useful, real-life situations. Students will become more familiar with expressing themselves using past and future tenses.

Topics and activities include: Travelling overseas and going on holiday; Sport and Leisure; Eating out and Shopping; Penpals in France, French films and magazines. Some students may enter the Alliance Française Speaking competition. There is also the opportunity to take part in the biennial Homestay Tour to France.

Course Costs: None

Enquiries: Please see Mr McAlpine (A3) or Miss Keating (A1)

Credits Available		
	Level 1	
	AS	US
Internal	9	
External	15	
		Total 24

11 JAPANESE

11JAP

Entry Requirements

Y10 Japanese

Course Description

Year 11 Japanese continues on from Year 10 reviewing and expanding the skills learned there. Students also add to the Kanji that they learned in Year 10.

Topics and activities include: Sports, leisure and hobbies; Travel and tourism; Health; Describing your home and daily routine; My town and how to get around; Shopping.

Pupils will have the opportunity to take part in the Japanese dinner and the biennial Homestay Tour to Japan.

Course Costs: Up to \$20

Enquiries: Please see Miss Robertson (R4) or Mrs Cave (A2)

Credits Available		
	Level 1	
	AS	US
Internal	9	
External	15	
		Total 24

12 FRENCH

12FRE

Entry Requirements

9 credits in NCEA Level One French

Course Description

Students will continue to acquire language through studying themes such as holidays and travel in France and other French-speaking countries, teen leisure activities, health and well-being, and future plans and goals. One of the units of work comprises an in-depth study of NZ's closest francophone neighbour – New Caledonia. The course will extend students' language skills and knowledge and develop social competence and independence in French. Students will also enjoy watching a selection of French films as we learn about "le cinéma français", reading Jacques Prévert's poems and having the opportunity to enter the Alliance Française speaking competition or take part in the biennial Homestay Tour to France.

Course Costs: None

Enquiries: Please see Miss Keating (A1) or Mr McAlpine (A3)

Credits Available		
Level 2		
	AS	US
Internal	9	
External	15	
		Total 24

12 JAPANESE

12JAP

Entry Requirements

9 credits in NCEA Level One Japanese

Course Description

Year 12 Japanese expands on the grammar and vocabulary learned in Years 9, 10 and 11. The students learn to communicate confidently in a wide variety of situations and contexts.

Topics and activities include: Family Life; Japanese School System; Eating and drinking; Leisure Activities.

Pupils will have the opportunity to take part in the Japanese dinner and the biennial Homestay Tour to Japan.

Course Costs: Up to \$20

Enquiries: Please see Miss Kojima (R3) or Mrs Cave (A2)

Credits Available		
Level 2		
	AS	US
Internal	9	
External	15	
		Total 24

13 FRENCH

13FRE

Entry Requirements

9 credits in NCEA Level Two French

Course Description

This is a theme-based course using authentic French material and literature. Lessons are conducted in French as much as possible and students should be willing to accept this challenge. Students will learn to express themselves in a wide variety of situations using different levels of language. The course will extend the knowledge and skills already acquired and develop confidence and independence in French. Students are given opportunities to improve their fluency through contact with native speakers. Some students may enter the Alliance Française Speaking competition. There is also the opportunity to take part in the biennial Homestay Tour to France. French films are also used in this course.

Course Costs: None

Enquiries: Please see Mr McAlpine (A3)

Credits Available		
Level 3		
	AS	US
Internal	9	
External	15	
		Total 24

13 JAPANESE

13JAP

Entry Requirements: 9 credits in NCEA Level Two Japanese

Course Description

Year 13 Japanese builds on and extends the skills gained at Year 12 level. The students add to the number of Kanji they can use.

The students will learn to communicate in a wide variety of situations.

Topics and activities include: the geography and culture of Japan and New Zealand; comparing and contrasting life in both countries; Travel and tourism in both Japan and New Zealand; Housing and accommodation in Japan; Education in Japan; Employment in Japan.

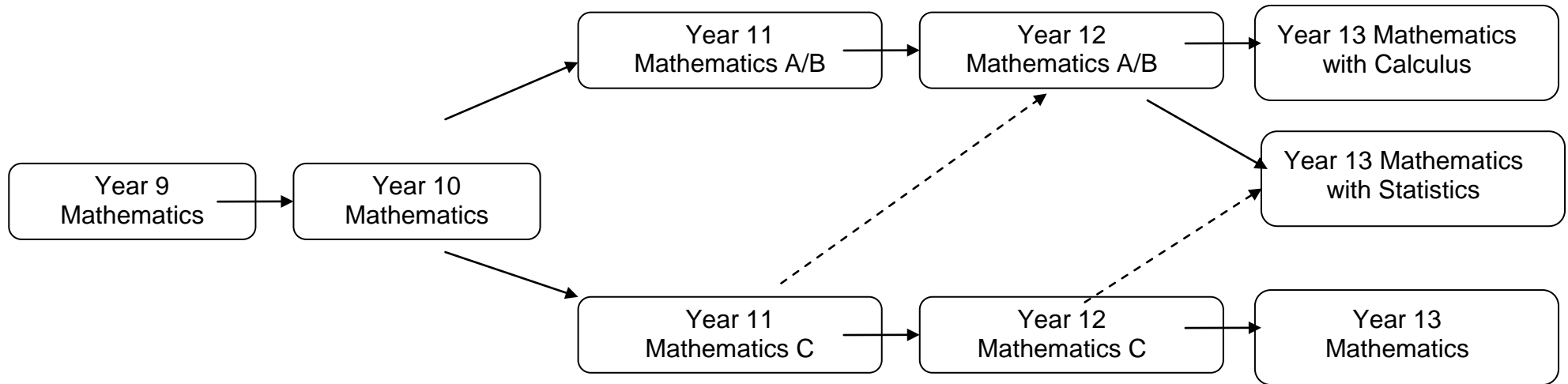
Pupils will have the opportunity to take part in the Japanese dinner and the biennial Homestay Tour to Japan.

Course Costs: Up to \$15

Enquiries: Please see Mrs Cave (A2)

Credits Available		
	Level 3	
	AS	US
Internal	9	
External	15	
		Total 24

MATHEMATICS



Note: This diagram does not illustrate the prerequisites for each course. Student entry into **Mathematics** is available at each level or discretionary entry is given by the HOD

11 MATHEMATICS A

11MATA

Entry Requirements

A high standard of achievement is required at either the 10MATA or 10MATB level.

Course Description

This course is designed for the more able students and prior knowledge is largely assumed. Students' mathematical knowledge will be expanded to cope with the academic rigour expected in the 12MATA and 12MATB mainstream courses.

Course Materials: A graphic calculator is required.

Course Costs: Nil

Enquiries: Mrs Wright

Credits Available		
	Level 1	
	AS	US
Internal	6	2
External	16	
		Total 24

11 MATHEMATICS B

11MATB

Entry Requirements

A reasonable standard of achievement is required at the 10MATB level. Higher achieving 10MATC students will be invited into this course.

Course Description

This course is designed for students who require further grounding in basic algebraic, number and graphing techniques before proceeding to the more academic Achievement Standards. The best performing students in this course can expect to proceed to either 12MATA or 12MATB the following year.

Course Materials: A graphic calculator is required.

Course Costs: Nil

Enquiries: Mrs Wright

Credits Available		
	Level 1	
	AS	US
Internal	3	12
External	12	
		Total 24

11 MATHEMATICS C

11MATC

Entry Requirements

There are no entry requirements.

Course Description

This course is designed for students who require further attention to basic mathematical skills, especially number skills. Practical applications of Mathematics are emphasised. The best performing students can expect to be invited into the 12MATB course the following year.

Course Materials: A scientific calculator is required.

Course Costs: Nil

Enquiries: Mr Green

Credits Available		
	Level 1	
	AS	US
Internal		24
External		
		Total 24

12 MATHEMATICS A**12MATA****Entry Requirements**

16 credits in Achievement Standards at Level 1 and at least Merit in Algebra and Graphing.

Course Description

This course is designed for the more able students and prior knowledge is largely assumed. Higher level algebraic and graphical techniques are introduced leading to new concepts in Statistics and Calculus. Most students taking this course would be expected to proceed to Calculus and Statistics at Level 3.

Course Materials: A graphic calculator is required.

Course Costs: Nil

Enquiries: Mr Wilson

Credits Available		
	Level 2	
	AS	US
Internal	5	3
External	17	
		Total 25

12 MATHEMATICS B**12MATB****Entry Requirements**

12 credits in Achievement Standards at Level 1.

Course Description

This course is designed for students who require further grounding in basic Level 1 algebraic and graphing techniques before proceeding to the more academic Level 2 standards. The best performing students in this course can expect to proceed to Level 3 Statistics and Calculus.

Course Materials: A graphic calculator is required.

Course Costs: Nil

Enquiries: Mr Wilson

Credits Available				
	Level 1		Level 2	
	AS	US	AS	US
Internal		2	2	7
External			11	
				Total 22

12 MATHEMATICS C**12MATC****Entry Requirements**

No entry requirements although students are expected to have completed satisfactorily a Year 11 Mathematics course.

Course Description

This course looks at the practical applications of Mathematics and follows on from the 11MATC course at Level 1. Most students will proceed to 13MAT the following year, although the very best students will be invited to attempt the more academic courses.

Course Materials: A scientific calculator is required.

Course Costs: Nil

Enquiries: Mr Scott-Morrison

Credits Available		
	Level 1	
	AS	US
Internal	3	19
External		
		Total 22

13 MATHEMATICS WITH CALCULUS

13MAC

Entry Requirements

16 credits at Level 2 with at least Merit in Algebra and Graphing. Dispensation will be given to high-achieving students who have undertaken the 12MATB course in 2008.

Course Description

This course is designed for students who wish to go on to the tertiary study of mathematics, the physical sciences, engineering, or any field where analysis is an important tool. The course continues to expand on Year 12 Algebra and Trigonometry and has particular emphasis on Calculus. A high level of intuitive mathematical thinking is required.

Course Materials: A graphic calculator is required.

Course Costs: Nil

Enquiries: Mr Carey

Credits in square brackets are removed if the equivalent Achievement Standards are passed

Credits Available		
	Level 3	
	AS	US
Internal	4	[11]
External	20	
		Total 24

13 STATISTICS AND MODELLING

13MAS

Entry Requirements : 12 credits at Level 2.

Course Description

This course is designed for students who are interested in the statistics used in the biological and social sciences, medicine, commerce, or in any field where the collection, analysis and interpretation of data is important. The course continues to expand on Year 12 Algebra and Graphs and has particular emphasis on statistical procedures.

Course Materials: A graphic calculator is required.

Course Costs: Nil

Enquiries: Mrs Wright

Credits in square brackets are removed if the equivalent Achievement Standards are passed

Credits Available		
	Level 3	
	AS	US
Internal	9	[4]
External	15	
		Total 24

13 MATHEMATICS

13MAT

Entry Requirements

No entry requirements although students are expected to have completed satisfactorily a Year 12 Mathematics course.

Course Description

This course is designed for students who wish to continue their Mathematics but who have had difficulty achieving at Levels 1 and 2. The course gives an opportunity for students to achieve Unit Standards previously missed, together with the introduction of new work not covered at Levels 1 and 2.

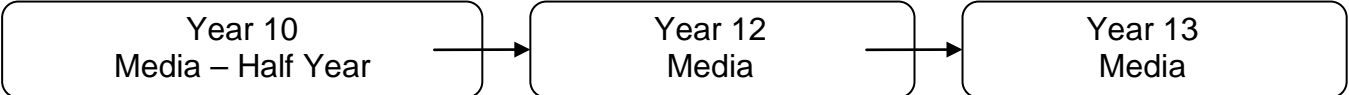
Course Materials: A scientific calculator is required.

Course Costs: There are likely to be some minor transport costs to local venues.

Enquiries: Mrs McDonald

Credits Available				
	Level 1		Level 2	
	AS	US	AS	US
Internal		10		14
External				
				Total 24

MEDIA STUDIES



10 MEDIA – HALF YEAR COURSE

10MED

Course Description

This option will provide you with an introduction to the study of the media including television, radio, print media and new media such as the internet.

You will learn:

- How the media represents different groups and individuals
- The language of the media
- About the conventions and history of a media genre
- How to apply this knowledge into the production of your own media product.

Course Costs: None.

Where will it lead to?

It leads to further study in the senior school of NCEA Media Studies and tertiary education courses in Media Studies.

12 MEDIA

12 MED

Entry Requirements

At least 12 credits in NCEA Level 1 English including 2 standards at Merit level, or at the discretion of the HOD. A background in Year 10 Media Studies would be an advantage.

Course Description

Year 12 Media Studies is designed to develop students' media literacy by studying a range of media texts [Television/Film/Print/Radio/Digital Media] and then applying their theoretical knowledge into the production of their own media text. This subject is the ideal choice for students who want to work hard in a creative environment or who are thinking of a career in the media.

Credits Available		
	Level 2	
	AS	US
Internal	15	
External	9	
		Total 24

Course Materials: An exemplar pack

Course Costs: Appropriate field trips may be arranged during the year and fees will be charged for these.

Enquiries: Ms Ryan, Mr Reweti, Ms Bogle

13 MEDIA

13 MED

Entry Requirements

At least 12 credits in NCEA Level 2 Media Studies or English. A background in Year 10 Media Studies would be an advantage.

Course Description

Year 13 Media Studies is designed to build on students' understanding of the media and develop their critical Media literacy skills by studying key aspects of the Media and then applying this knowledge to a practical context. Topics studied include an important media industry and a media genre.

This subject is the ideal choice for students who want to work hard in a creative environment or who are thinking of a career in the media.

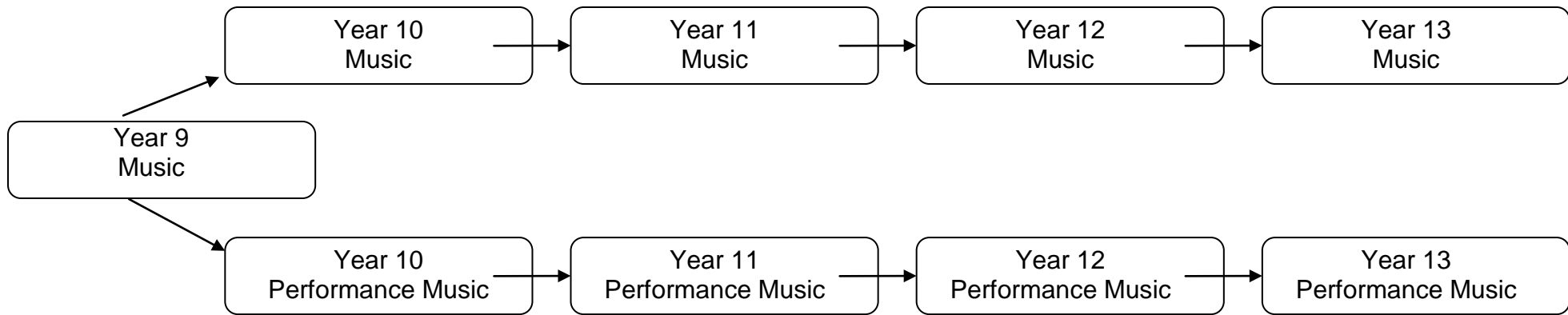
Course Materials: An exemplar pack

Course Costs: Appropriate field trips may be arranged during the year and fees will be charged for these.

Enquiries: Ms Ryan, Mr Reweti, Ms Bogle

Credits Available		
	Level 3	
	AS	US
Internal	16	
External	8	
		Total 24

MUSIC



10 MUSIC**10MUS****Course Description**

This year long course suits students who have already been learning voice or an instrument for at least one year and are at a Grade 1 level of theory knowledge. Students will present solo and group performances, create compositions, learn theory and develop aural skills.

Where will it lead to?

11Music – a 24 credit NCEA Achievement Standards course.

Course Materials: Course theory book, instrument.

Course Costs: Course theory book \$15, Lesson levy \$20, & instrument hire \$100 per year if hiring a school instrument.

10 PERFORMANCE MUSIC – HALF YEAR COURSE**10PFM****Course Description**

This half year course suits students who have made a start at learning an instrument or voice and who are at the early stages of learning to read and write music. Students will present solo and group performances, create short compositions, learn theory and develop aural skills.

Where will it lead to?

Performance Music 1

Course Materials: Course theory book, instrument.

Course Costs Course theory book \$15, Lesson levy \$20, & instrument hire \$100 per year if hiring a school instrument.

11 MUSIC**11MUS****Entry Requirements**

Students must have studied an instrument or voice for at least two years and have some experience as a solo performer. A minimum of Grade 2 theory knowledge is needed. Students with less musical experience could consider the PFM course.

Course Description

This course covers the foundations in performance (solo, group) composing, aural, theory and musical knowledge required for a career in music. It leads to university study as a performer, composer or musicologist.

Course Materials: Course theory book, instrument.

Course Costs: Course theory book \$15, Lesson levy \$20, & instrument hire \$100 per year

Enquiries: Mrs Winny

Credits Available		
	Level 1	
	AS	US
Internal	19	
External	5	
		Total 24

PERFORMANCE MUSIC 1

PFM1

Entry Requirements

Students must have attended weekly lessons on an instrument or voice for at least two years or be at least at Grade 2 level of playing.

Course Description

This is a multi-level course for year 11 or year 12 students interested in solo and group performance. Basic theory knowledge is covered and some composition is included. Students are expected to form groups that take part in competitions where key competencies such as managing self and cooperating with others are assessed.

Credits Available				
	Level 1		Level 2	
	AS	US	AS	US
Internal	9	12	9	
External				
				Total 21

Course Materials: Course theory book, instrument.

Course Costs: Course theory book \$15, Lesson levy \$20, & instrument hire \$100 per year

Enquiries: Mr Darragh

12 MUSIC

12MUS

Entry Requirements

Students must have studied an instrument or voice for at least three years with experience in performing solo and in groups. A minimum of Grade 4 theory knowledge is needed. Students with less musical experience could consider the PFM course.

Course Description

This course covers performance (solo, group) composing, arranging, harmonic analysis, and musical knowledge required for a career in music. It leads to university study as a performer, composer or musicologist.

Credits Available				
	Level 2		Level 3	
	AS	US	AS	US
Internal	16		7	
External				
				Total 23

Course Materials: Course theory book, instrument.

Course Costs: Course theory book \$15, Lesson levy \$20, & instrument hire \$100 per year

Enquiries: Mr Darragh

PERFORMANCE MUSIC 2

PFM2

Entry Requirements

Students must have attended weekly lessons on an instrument or voice for at least three years or be at least at Grade 3 level of playing.

Course Description

This a multi-level course for year 12 or year 13 students committed to solo and group performance. Theory knowledge is covered and some composition is included. Key competencies such as managing self and cooperating with others are a big part of the course since it prepares students for tertiary performing arts courses.

Credits Available						
	Level 1		Level 2		Level 3	
	AS	US	AS	US	AS	US
Internal	9		9	6	12	10
External						
						Total 15-20

Course Materials: Course theory book, instrument.

Course Costs: Course theory book \$15, Lesson levy \$20, & instrument hire \$100 per year

Enquiries: Mrs Winny

Entry Requirements

Students must have studied an instrument or voice for at least four years with experience in performing solo and in groups. A minimum of Grade 5 theory knowledge is needed. Students with less musical experience could consider the PFM course.

Course Description

This course covers performance (solo, group) arranging, harmonic analysis, and musical knowledge required for a career in music. The course can be customised to suit student strengths, for example composition and second instrument studies. It leads to university study as a performer, composer or musicologist.

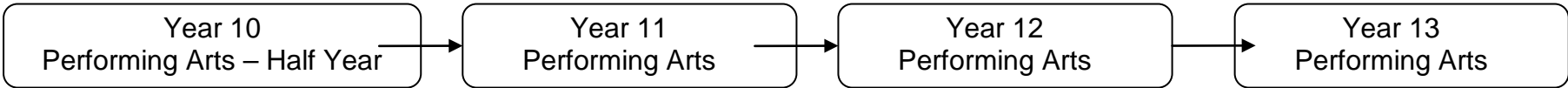
Course Materials: Course theory book, instrument.

Course Costs: Course theory book \$15, Lesson levy \$20, & instrument hire \$100 per year

Enquiries: Mr Darragh

Credits Available		
	Level 3	
	AS	US
Internal	20	
External	3	
		Total 23

PERFORMING ARTS



10 PERFORMING ARTS - HALF YEAR COURSE

10PFA

In this course you are encouraged to:

- Create new works
- extend your vocal and movement skills
- interpret your own lives through performance
- develop a broad understanding of theatre
- question and challenge the devising process
- review and analyse your own work and that of your peers

You will participate in a wide range of classroom activities including improvisation, mime, theatre sports, movement, Contemporary Dance, Hip Hop, voice exercises, stage plays and script study. You will produce a class showcase at the end of your second term. This will be performed to an invited audience. This course is mainly practical although you are expected to keep a PFA journal documenting the work completed in class.

Course fees: \$25

Enquiries: Ms J Howard

11 PERFORMING ARTS

11PFA

Entry Requirements

Students need to have completed Year 10 Performing Arts. Consideration will be given to students involved in co-curricular PFA, debating and future problem solving activities.

Course Description

In this course you will explore the use of voice, body language, movement and awareness of space. You will devise a short drama piece, perform an acting role, perform and choreograph original dance sequences. You will also be expected to attend a wide range of theatrical and dance performances (at additional cost) throughout the year. These will all depart from and return to school and wherever possible, will take place during school time. Occasionally, we may attend evening and weekend performances. You are required to keep a detailed portfolio of all work completed.

This course helps students build belief in self-confidence and enables them to express themselves effectively. It offers the opportunity to explore roles and situations together, negotiating, interpreting and reflecting on meaning. Students will also discover an appreciation for the humanities through classical and artistic study.

Course Costs: \$30 + cost of Theatre Trips

Enquiries: Please see Ms J Howard

Credits Available		
	Level 1	
	AS	US
Internal	19	
External	4	
		Total 23

12 PERFORMING ARTS

12PFA

Entry Requirements

Students need to have completed Year 11 Performing Arts and achieved a minimum of 12 credits or at the HOD's discretion.

Course Description

The course offers students unique opportunities to acquire personal communication skills much sought after in today's job market. These include skills of independence, self-confidence, creative and lateral thinking, sensitivity and responsiveness to others, co-operation and team work, language and communication skills and organisational ability.

Students are required to attend a wide range of theatre and dance performances (at additional cost) throughout the year. We try to keep all performances during school hours, but occasionally we attend evening and weekend performances.

Course Costs: \$30 + cost of Theatre Trips

Enquiries: Please see Ms J Howard

Credits Available		
Level 2		
	AS	US
Internal	15	
External	8	
		Total 23

13 PERFORMING ARTS

13PFA

Entry Requirements

Students need to have completed Year 12 Performing Arts and achieved a minimum of 12 credits or at the HOD's discretion.

Course Description

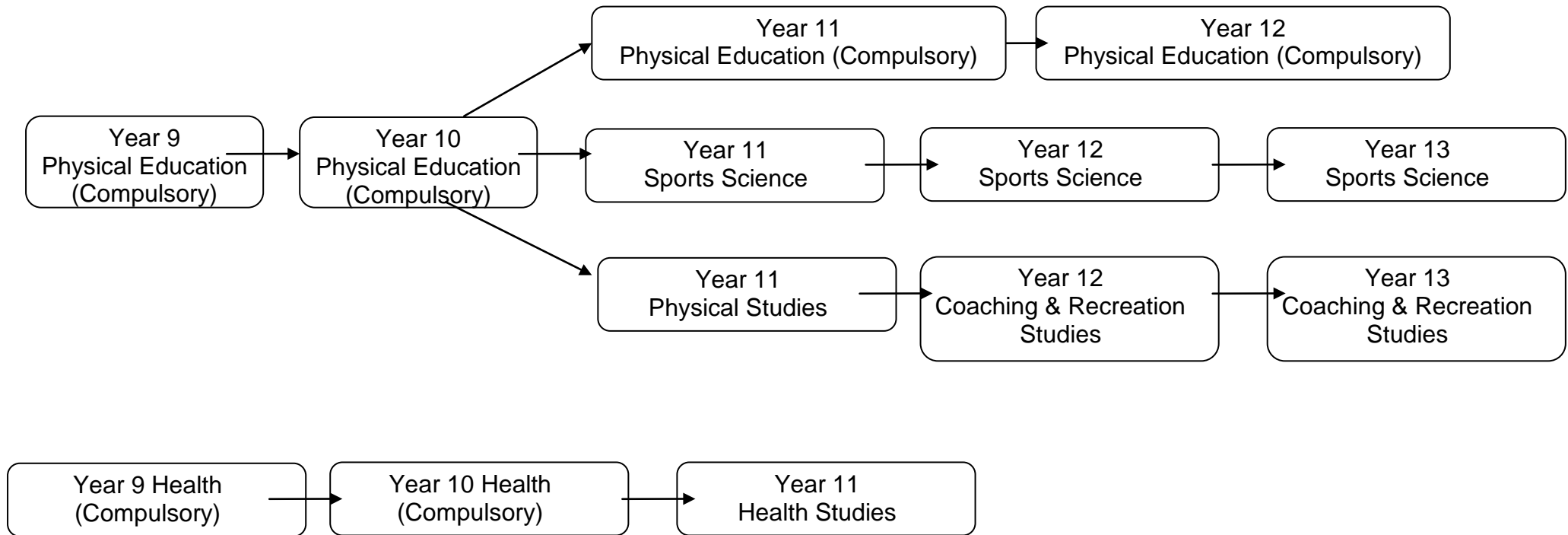
In this course the students will work through themes and issues in creating and presenting performance, they will explore and test their own and other's beliefs and moral codes and find ways to act out for an audience their own ideas and feelings. They will gain confidence and skills in communication, motivation, negotiation and decision making. They will become part of the cultural shaping of New Zealand. Students are required to attend a wide range of theatre and dance performances (at additional cost) throughout the year. We try to keep all performances during school hours, but occasionally we attend evening and weekend performances.

Course Costs: \$30 + cost of Theatre Trips

Enquiries: Please see Ms J Howard

Credits Available		
Level 3		
	AS	US
Internal	19	
External	4	
		Total 23

PHYSICAL EDUCATION AND HEALTH



Note: This diagram does not illustrate the prerequisites for each course. Student entry into Physical Education and Health is available at each level or discretionary entry is given by the HOD

11 HEALTH STUDIES

11HEA

Entry Requirements

Must have a high level of English at Year 10. Year 10 Health Teacher/HOD Health approval.

Course Description

This course offers students the opportunity to develop an understanding of healthy living patterns, personal responsibility, conflict resolution, decision making processes; also the ability to cope constructively with the challenges within society. This course is suitable for those students who are interested in Health-related careers.

Course Costs: Up to \$30.00 for student workbooks

Enquiries: Please see Ms Tokley (HOD Health)

Credits Available		
Level 1		
	AS	US
Internal	12	
External	12	
		Total 24

11 CORE PHYSICAL EDUCATION

11PED

Entry Requirements : Compulsory subject for all Year 11 students.

Course Description – The Year 11 curriculum includes the opportunity to gain Level 1 credits in an Athletics module.

Course Materials: PE Uniform

Enquiries: Mrs Bennett (HOD)

Credits Available		
Level 1		
	AS	US
Internal	3	
External		
		Total 3

11 PHYSICAL STUDIES

11PHY

Entry Requirements : It is strongly recommended that students be playing sport for a school or club sports team in 2009. Students must have displayed appropriate levels of organisation in junior Physical Education.

Course Description

This is a new course designed for students who wish to learn more about Physical Fitness and Training Principles. It is a physical course and students will be required to participate fully.

Course Materials: A.4 Ring binder, A.4 refill pad, PE Uniform

Course Costs: Travel expenses \$30

Enquiries: Mrs Bennett (HOD) or Ms Tokley (TIC)

Credits Available		
Level 1		
	AS	US
Internal	4	15
External		
		Total 19

11 SPORTS SCIENCE

11SPS

Entry Requirements : Students must have good grades in both English and Science and have displayed appropriate levels of organisation and attitude in junior Physical Education.

Course Description

This subject is a foundation course for Level 2 and 3 Sport Science and is an excellent option for those wanting to achieve excellence within the field of Physical Education. This course comprises of both theoretical and practical work.

Course Materials: A.4 Ring binder, A.4 refill pad, PE Uniform

Course Costs: Outdoor Education experiences \$210 (2008),
Course Related Costs \$40

Enquiries: Mrs Bennett (HOD) or Mr Duncan (TIC)

Credits Available		
	Level 1	
	AS	US
Internal	24	
External		
		Total 24

12 COACHING AND RECREATION STUDIES

12CAR

Entry Requirements: It is strongly recommended that students play for a school or club sports team and be an active participant in core Physical Education.

Year 13 students may choose this option if they have not studied Sports Leadership in 2008.

Course Description

This is a two year course aimed at providing students with a pathway to MIT or Tertiary Studies who are interested in a career in the sports coaching or recreation area. The course offers students the opportunity to gain confidence, learn about competition, develop goal setting and leadership strategies, develop communication skills, move outside their comfort zone, develop management strategies and experience a range of leadership roles within the coaching and recreation environment.

Course Materials: 1B5, PE Uniform

Course Costs: \$50.00

Enquiries: Mrs Bennett (HOD) or Mr Buckley (TIC)

Credits Available						
	Level 1		Level 2		Level 3	
	AS	US	AS	US	AS	US
Internal		3		7		6
External						
						Total 16

12 CORE PHYSICAL EDUCATION

12PED

Entry Requirements: Compulsory subject for all Year 12 students.

Course Description – The Year 12 curriculum includes the opportunity to achieve Level 2 credits. Achievement Standard 2.5 requires practical performance in team-based activities.

Course Requirements: PE Uniform
Enquiries: Mrs Bennett (HOD)

Credits Available		
	Level 2	
	AS	US
Internal	4	
External		
		Total 4

12 SPORTS SCIENCE

12SPS

Entry Requirements: Students who have studied 11SPS are required to have achieved a minimum of 12 credits (excluding AS 1.3). Students who did not study 11SPS, must have gained 10 credits in Level One Science and 10 credits in Level One English.

Course Description

This course offers you the opportunity to experience a range of physical activities in different contexts. You will study how the body moves and responds to physical activity, as well as ways to improve both your own and others performance. You will examine what role sport and physical education plays in society and how it affects you as an individual.

Course Materials: Clearfile Folder, 1B5, PE Uniform

Course Costs: Camp Approx \$210, **Course Related Costs:** \$30

Enquiries: Mrs Bennett (HOD) or Mr Williams (TIC)

Credits Available		
	Level 2	
	AS	US
Internal	24	
External		
		Total 24

13 COACHING AND RECREATION STUDIES

13CAR

Entry Requirements: Students must have successfully completed Year 12 Sports Leadership. It is strongly recommended that students play for a school or club sports team and be an active participant in Year 12 Core Physical Education during 2008.

Course Description

This is a two year course aimed at providing students with a pathway to MIT or tertiary studies interested in a career in the sports coaching or recreation area. The course offers students the opportunity to gain confidence, learn about competition, develop goal setting and leadership strategies, develop communication skills, move outside their comfort zone, develop management strategies and experience a range of leadership roles within the coaching and recreation environment.

Course Materials: 1B5 and PE kit, PE Uniform

Course Costs: \$50.00

Enquiries: Mrs Bennett (HOD) or Mr Buckley (TIC)

Credits Available						
	Level 1		Level 2		Level 3	
	AS	US	AS	US	AS	US
Internal		2		2		13
External						
						Total 17

13 SPORTS SCIENCE

13SPS

Entry Requirements Students must have gained 12 credits (excluding AS 2.5) or more in Year 12 Sports Science.

Course Description

This course is a development from Year 12SPS. It requires students to complete a number of modules based around biomechanics, anatomy, research into physical activity and sports performance. Students will be required to attend Year 13 Camp and will then critically evaluate the impact this had on their wellbeing.

This course is fully internally assessed with the option of sitting an external scholarship exam.

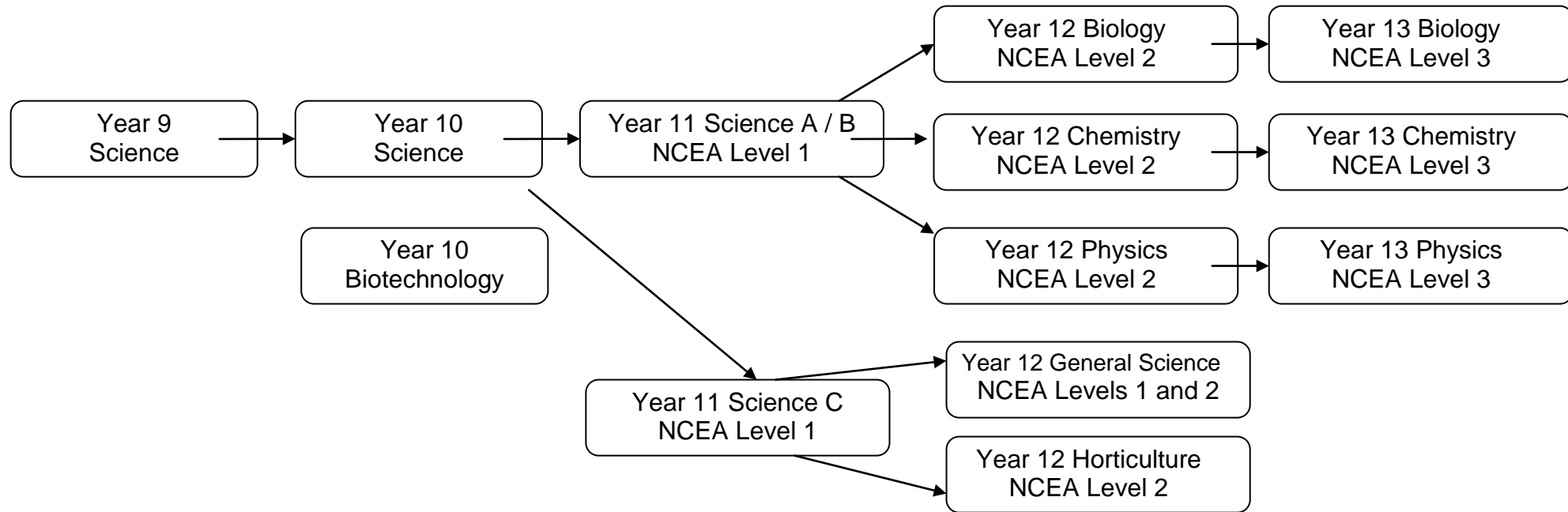
Course Materials: Clearfile Folder, 1B5, PE Uniform

Course Costs: Camp Approx \$210, Course Related Costs \$25

Enquiries: Mrs Bennett (HOD) or Ms Strickland (TIC)

Credits Available		
Level 3		
	AS	US
Internal	24	
External		
		Total 24

SCIENCE



Note: This diagram does not illustrate the prerequisites for each course. Student entry into **Science** is available at each level or discretionary entry is given by the HOD

10 BIOTECHNOLOGY - HALF YEAR COURSE

10BOT

Course Description

Biotechnology uses living things to make products or uses technology to better existing products or provides pathways to better the lives of people. The course at our school consists of:

- 1 making yogurt, cheese and ginger beer.
- 2 design a new brand of yogurt based on market research and then uses computers to prepare a report.

The following outcomes form the basis of our course:

- Demonstrate knowledge of Biotechnology
- Demonstrate knowledge of plants and plant production
- Demonstrate knowledge of basic forensic science processes and techniques.

Course Costs: Up to \$10.00

Where will it lead to?

It leads to part of year 11 Science and provides a foundation for year 12 Biology and Chemistry.

11 SCIENCE A

11SCI A

Entry Requirements

Year 10 Science or equivalent

Course Description

Encourage an interest in science, develop scientific skills and provide knowledge base to do separate sciences in year 12 and 13.

Course Costs: Up to \$20.00

Enquiries: Please see Mr. Dass or Mrs Singh in S block

Credits Available		
	Level 1	
	AS	US
Internal	4	
External	20	
		Total 24

11 SCIENCE B

11SCIB

Entry Requirements

Year 10 Science or equivalent

Course Description

Encourage an interest in science, develop scientific skills and provide knowledge base to do separate sciences in year 12 and 13.

Course Costs: Up to \$20.00

Enquiries: Please see Mr. Dass or Mrs Singh in S block

Credits Available		
	Level 1	
	AS	US
Internal		4
External	15	
		Total 19

11 SCIENCE C**11SCU****Entry Requirements**

Year 10 Science or equivalent

Course Description

Encourage an interest in science, develop scientific skills and provide knowledge to do practical-based courses. Students taking this course do not gain the knowledge and skills necessary to progress to Year 12 BIO/CHE/PHX.

Course Costs: Nil**Enquiries:** Please see Mr. Dass or Mrs Singh in S block

Credits Available		
	Level 1	
	AS	US
Internal		18
External		
		Total 18

12 BIOLOGY**12BIO****Entry Requirements**

12 credits in NCEA Level 1 Science including AS1.3. Any student who has not gained 12 credits but has gained AS1.3 may apply to the HOD for consideration. Students should also have good writing and reading skills in English.

Course Description

This course is aimed at students who are interested in the diversity of life on this planet, which can lead to careers in science, medicine, agriculture, ecology, New Zealand biodiversity, plant and animal diversity, cell structure and function, genetic variation and change, and microscope skills.

Course materials: Biozone manual, Course manual.**Course Costs:** \$27 for manuals, \$15 approx for the field trip**Enquiries:** Please see Mrs. Coup in S1 or Mr Dass

Credits Available		
	Level 2	
	AS	US
Internal	3	3
External	15	
		Total 21

12 CHEMISTRY**12CHE****Entry Requirements**

12 credits in NCEA Level 1 Science including AS1.4. Any student who has not gained 12 credits but has gained AS1.4 may apply to the HOD for consideration.

Course Description

This is a practical-based course aimed at improving the student's ability to analyse results and make valid conclusions.

Course Costs: Up to \$5.00**Enquiries:** Please see Mr. Dass or Mr. MacDougal in S block

Credits Available		
	Level 2	
	AS	US
Internal	8	
External	16	
		Total 24

12 GENERAL SCIENCE

12GSC

Entry Requirements

Students must have done year 11 SCU or had limited success in 11 SCI B. (A student may apply to the H.O.D. for a special entry)

Course Description

This course is for students who want to go on to tertiary institutions or to a training organisation to do a trade course or an equivalent. It is not intended for students considering entry into university to do a science course. The course will have basic Physics, Biology, and Chemistry content and will have combination of level 1 and level 2 unit standards.

Credits Available				
	Level 1		Level 2	
	AS	US	AS	US
Internal		8		12
External				
				Total 20

NB: This course **does not** give students entry into separate PHX/BIO/CHE subjects at Year 12 or 13.

Course Costs: Up to \$20.00

Enquiries: Please see Mr. Dass in S block

12 HORTICULTURE

12HRT

Entry Requirements

Priority will be given to students who have taken 11SCU.

Course Description

This course is aimed at students who are interested in how and why plants grow, which can lead to careers in garden centres, plant nurseries, forestry industry and many more. This course offers topics in plant identification, plant reproduction, soil properties and plant reproduction.

Course Costs: \$20 for resources used throughout the year

Enquiries: Please see Mrs Coup in S1 or Mr Dass

Credits Available		
	Level 2	
	AS	US
Internal	4	28
External		
		Total 32

12 PHYSICS

12PHX

Entry Requirements

12 credits in NCEA Level 1 Science including AS1.6. Any student who has not gained 12 credits but has gained AS1.6 may apply to the HOD for consideration.

Course Description

The course builds on the knowledge of concepts and investigative skills gained from NCEA Level 1 Science. Topics studied include: mechanics, waves, electricity & magnetism, and atomic physics.

Course Costs: Up to \$10.00

Enquiries: Please see Mr Dass or Mr Thompson in S block

Credits Available		
	Level 2	
	AS	US
Internal	6	
External	17	
		Total 23

13 BIOLOGY

13BIO

Entry Requirements

You will need at least 12 credits in NCEA Level 2 Biology. Students should also have good writing and reading skills in English.

Course Description

This course is aimed at students who are interested in how genes determine who you are and how species change over time, this can lead to careers in science, medicine, agriculture, ecology, anthropology and many more. This course offers topics in animal behaviour, plant responses, DNA, evolution and biotechnology.

Course Materials: Biozone manual, Course manual

Course Costs: \$32 for manuals, \$15 approximately for the field trip

Enquiries: Please see Mrs Coup in S1 or Mr Dass

Credits Available		
Level 3		
	AS	US
Internal	6	
External	14	
		Total 20

13 CHEMISTRY

13CHE

Entry Requirements

12 credits including at least two externally assessed Achievement Standards at NCEA Level 2 Chemistry. (A student may apply to the H.O.D. for a special entry)

Course Description

The course builds on the Level 2 Chemistry knowledge and is very heavily based on practicals.

Course Costs: Up to \$40.00

Enquiries: Please see Mr Dass or Mr MacDougal in S block

Credits Available		
Level 3		
	AS	US
Internal	2	
External	18	
		Total 20

13 PHYSICS

13PHX

Entry Requirements

12 credits in NCEA Level 2 Physics. A strong background in mathematics is also required. (A student may apply to the H.O.D. for a special entry)

Course Description

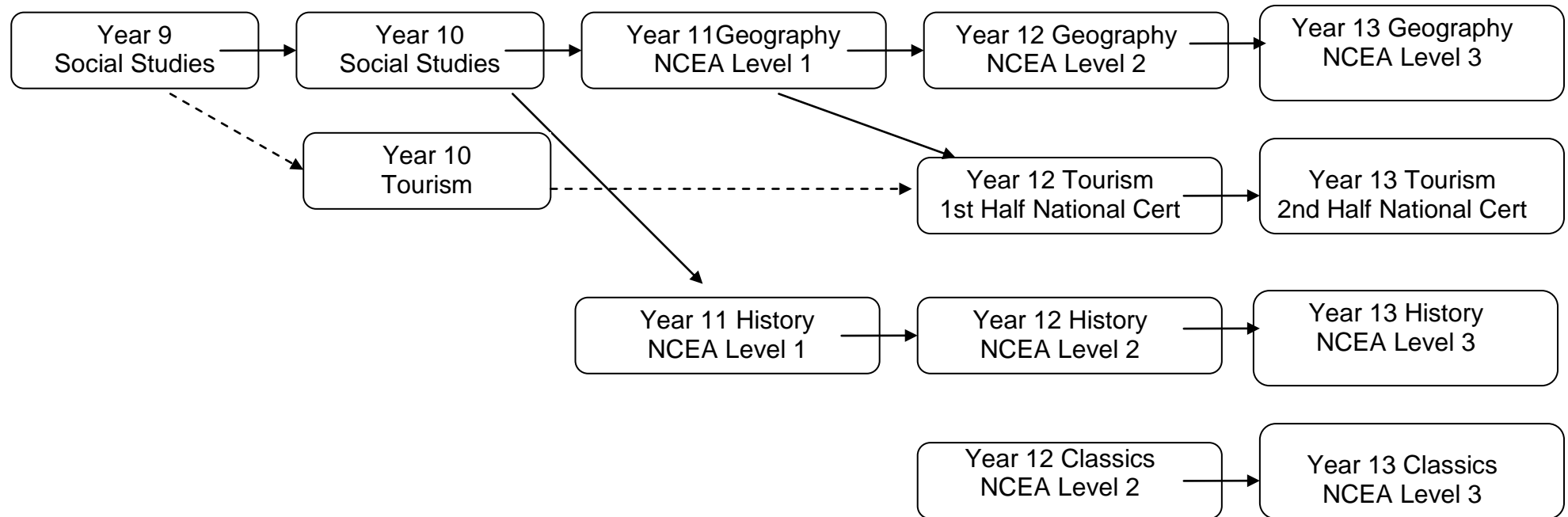
The course enhances the Year 12 knowledge. The topics studied are: Experimental Techniques, Waves, Linear & Rotational mechanics, Circular and Simple Harmonic motion, DC & AC circuit theory, and Nuclear Physics.

Course Costs: Up to \$35.00

Enquiries: Please see Mr Dass or Mr Thompson in S block

Credits Available		
Level 3		
	AS	US
Internal	5	
External	19	
		Total 24

SOCIAL SCIENCES



Note: This diagram does not illustrate the prerequisites for each course. Student entry into **Social Sciences** is available at each level or discretionary entry is given by the HOD

10 TOURISM - HALF YEAR COURSE

10TRM

Course Description

This is a half year "Taster Course" covering:

- NZ Tourist Geography
- World Geography
- Destination Australia
- Work Roles in Tourism and Travel
- Calculations for the Tourism and Travel Industry
- Read and Write in English for the Tourism and Travel Industry

A trial Unit Standards assessment will be completed at the end of each topic.

Where will it lead to? Year 12 and 13 Tourism Course which results in the completion of the National Certificate in Tourism and Travel Introductory Skills.

Course Materials: Workbooks will be provided.

Course Costs \$10 trip fee

11 GEOGRAPHY

11GEO

Entry Requirements: None

Course Description

The course is a good introduction to the world we live in and how we relate to it. It is particularly useful if you are interested in careers like the travel industry, urban and city planning, environmental management, foreign affairs, etc.

Course Costs: \$10.00 for Geography Course Booklet.

Fieldtrip Costs, Residential Trip - Tarawera (optional)

Enquiries: Please see Mr Winny

Credits Available		
	Level 1	
	AS	US
Internal	11	
External	13	
		Total 24

11 HISTORY

11HIS

Entry Requirements: None

A good level of English is recommended as the subject requires competent literacy skills.

Course Description

This History course is for those students who would like to pursue a career in Law, Public Service or any career that requires report writing, or gathering and organising of information, such as the Police, politics, teaching or management.

The internally assessed part of the course develops the skills of historical investigation and communication of ideas, while in the externally assessed standards students use topic knowledge to

demonstrate their understanding of historical development, perspectives of people in the past, and the shaping of people's identity in a New Zealand setting. Some of the topics studied are Origins of World War Two and Black Civil Rights in the USA. In 2009 there may be a trip (optional) to the Army Museum at Waiouru, which should cost between \$150 and \$200.

Enquiries: Please see Ms Hartstonge (Social Sciences Department – C3A)

Credits Available		
	Level 1	
	AS	US
Internal	8	
External	16	
		Total 24

12 CLASSICAL STUDIES

12CLA

Entry Requirements

Minimum of 12 achievement standard credits gained in NCEA Level 1 across English, Geography or History or at the discretion of the Head of Department.

Course Description

Classical Studies is the study of Classical Greece and Rome; their histories, society, literature, art and philosophy. This course offers students the ability to develop their skills in research, essay writing, close analysis of literature and analysis of works of art.

Course Costs: Up to \$18 for student workbooks

Enquiries: Please see Ms Cranch (Social Sciences Department – opposite C3)

Credits Available			
Level 2			
	AS	US	
Internal	9		
External	15		
			Total 24

12 EARLY CHILDHOOD EDUCATION

12ECE

Entry Requirements: None

Course Description

This course is aimed at students who are interested in the subject and are considering university and polytechnic courses in the fields of Early Childhood Education, Nursing and Community Health. This in-depth course is centred around a shared love for children. It includes an overview of all aspects of child growth and development from conception to 5 years of age. The emphasis is on understanding the developmental tasks of the early childhood years. The practical considerations of issues and responsibilities in providing family child care for infants and young children are explored.

Course Costs: \$30.00

Enquiries: Please see Mrs McConnell in R2 or the library.

Credits Available					
		Level 1		Level 2	
	AS	US	AS	US	
Internal		9		9	
External					
					Total 18

12 GEOGRAPHY

12GEO

Entry Requirements

12 Achievement Standard credits in at least one of NCEA Level 1 Geography, English or Science or at the HOD's discretion

Course Description

The course deepens understanding of the world people live in and how it / they affect each other. It is particularly useful if you are interested in careers like the travel industry, urban and city planning, environmental management, foreign affairs, education, etc.

Course Costs: \$10.00 for Geography Course Booklet
Fieldtrip Costs, Residential Trip – Tongariro (optional)

Enquiries: Please see Mr Winny

Credits Available			
Level 2			
	AS	US	
Internal	11	4	
External	10		
			Total 25

12 HISTORY

12HIS

Entry Requirements

A student should have a minimum of 12 credits at NCEA Level 1 English or History.

Course Description

This course covers aspects of Nineteenth and Twentieth Century history, including the Vietnam Conflict and Weimar Germany and the Rise of the Nazi State. The three internally assessed standards refine the skills of historical inquiry, empathy and communicating ideas, while the externally examined standards concentrate on examining evidence and the manner in which individuals or historical forces influenced history. In 2009 there may be a trip (optional) to the Army Museum at Waiouru, which should cost between \$150 and \$200.

Enquiries: Please see Ms Hartstonge (Social Sciences Department – C3A)

Credits Available		
	Level 2	
	AS	US
Internal	12	
External	12	
		Total 24

12 TOURISM

12 TRM

Entry Requirements: None

Course Description

Tourism is designed as an introduction to the industry, focussing on NZ as a tourist destination. Tourism provides a first step towards the Level 3 diploma as well as being a good source of credits.

Course Materials: Nil

Course Costs: Nil

Enquiries: Mr Gipps (H5 office)

Credits Available				
	Level 2		Level 3	
	AS	US	AS	US
Internal		23		8
External				
				Total 31

13 CLASSICAL STUDIES

13CLA

Entry Requirements

At least 12 Achievement Standard credits in one of Level 2 English, Geography, History, Classical Studies or a Science subject plus UE literacy, or at the discretion of the Head of Department

Course Description

Classical Studies is the study of the civilisations of Classical Greece and Rome and is a wide ranging and challenging subject which examines history, politics, literature, art and religion. Students will get the chance to think about, question and analyse the thoughts, words and actions of some of the most interesting characters in history including Aristophanes and Alexander the Great whilst achieving Table A credits.

Course Costs: Up to \$30.00 for student workbooks

Enquiries: Please see Ms Cranch (Social Sciences Department – Opposite C3)

Credits Available		
	Level 3	
	AS	US
Internal	6	
External	18	
		Total 24

13 EARLY CHILDHOOD EDUCATION

13ECE

Entry Requirements

Successful study in Year 12 ECE or at discretion of the teacher.

Course Description

This programme prepares students for tertiary study leading to employment in group child-care centres, pre-schools, family child care programmes, other child care facilities, and nannying. Ways of providing a safe, stimulating and nurturing environment are examined. How early childhood programmes support the development of children and the professional roles and responsibilities of the early childhood educator are explored. The course describes the knowledge and skills early childhood professionals need to build effective interrelationships with the child, family and community.

Course Costs: \$30.00

Enquiries: Please see Mrs McConnell in R2 or the library.

NB: If you choose this course you must also make a second choice of subject in case ECE does not run at this level

Credits Available				
	Level 2		Level 3	
	AS	US	AS	US
Internal		6		12
External				
				Total 18

13 GEOGRAPHY

13GEO

Entry Requirements

12 Achievement Standard credits in at least one of NCEA Level 2 Geography, History, Classics, English, Media Studies or a Science subject plus UE literacy, or at the HOD's discretion.

Course Description

The course is a solid preparation for studying Geography or its related disciplines at a tertiary level. It is particularly useful if you are interested in careers like conservation work, urban and city planning, environmental management, education or human resources.

Course Costs: \$10.00 for Geography Course Booklet
Fieldtrip Costs. Gold Coast Trip (optional)

Enquiries: Please see Mr Winny

Credits Available		
	Level 3	
	AS	US
Internal	12	
External	12	
		Total 24

13 HISTORY**13HIE 13HNZ****Entry Requirements**

Students should have a minimum of 12 credits in NCEA Level 2 English or History including at least one externally assessed Achievement Standard.

Course Description

In 2009 there may be two options available (depending on numbers),
 Either 19th Century New Zealand History
 Or Tudor – Stuart England, 1558 – 1667

At this level students are required to demonstrate their ability to carry out an historical inquiry and communicate their research in the internally assessed portion of the course, while the externally examined standards require them to analyse and evaluate historical evidence, and explain the results of significant historical situations and decisions.

There may also be a trip (optional) to the Army Museum at Waiouru, which should cost between \$150 and \$200.

Enquiries: Please see Ms Hartstonge (Social Sciences Department – C3A)

Credits Available		
	Level 3	
	AS	US
Internal	9	
External	15	
		Total 24

13 TOURISM**13 TRM**

Entry Requirements: None

Course Description

Tourism is designed as an introduction to the industry, focussing on Australia and the South West Pacific as tourist destinations. It provides a first step towards the Level 3 diploma as well as being a good source of credits.

Course Materials: Nil

Course Costs: Nil

Enquiries: Mr Gipps (H5 office)

Credits Available				
	Level 2		Level 3	
	AS	US	AS	US
Internal		4		32
External				
				Total 36

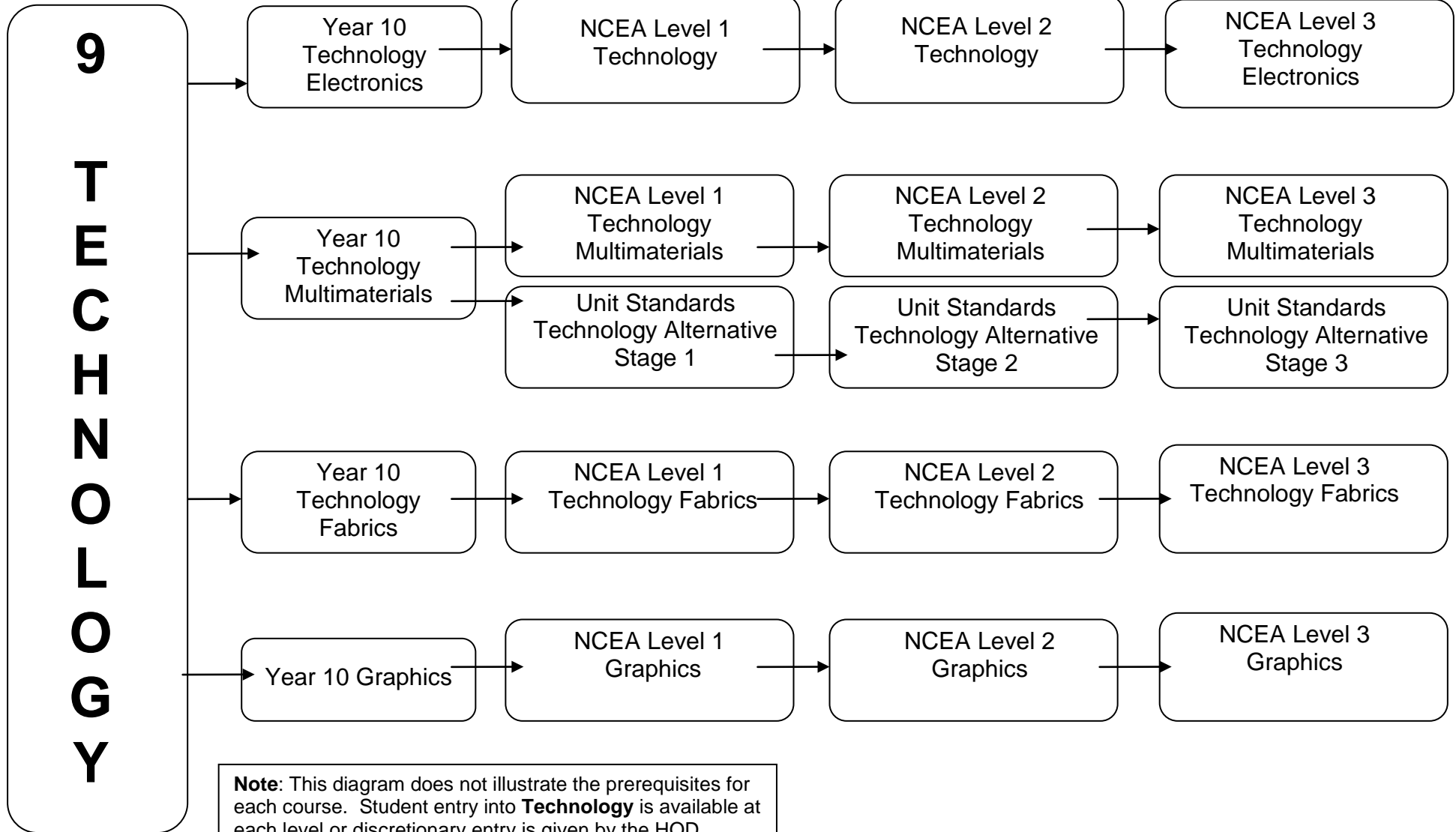
TECHNOLOGY

YEAR 10

YEAR 11

YEAR 12

YEAR 13



10 GRAPHICS - HALF YEAR COURSE

10GDH

Entry Requirements: A half-year course suited to students who have many option requirements but who wish to study Graphics at Year 10 level. This course is an intensive version of the full year course and will focus on similar aspects of the Graphics course.

NOTE: It is preferable that students who are intending to study NCEA Graphics at Levels 1, 2 & 3 take the full year Yr 10 Graphics Course.

Students selecting this option will need to be disciplined in study and homework techniques and should see their Graphics teacher or the Head of Department before selecting this option.

Course Description

Graphics encourages individual expression, creativity, exploration and innovation.

Students will produce a folio of work covering areas such as **Architecture, Media and Product Design**. Within the boundaries of these topics you will use a range of presentation techniques, such as research, design, instrumental drawing, modelling, use of digital photography, CAD etc.

Where will it lead to? NCEA Levels 1 Graphics

Course Materials: Students must supply and maintain all equipment throughout the course.

E.g. drawing and rendering equipment, Pencils, Aquarelle colour pencils, Set squares - 45 & 30 / 60, Technical Drawing Compass or Compass Set, A3 drawing paper, Scale ruler, 2x Presentation folders, etc.

10 TECHNOLOGY ELECTRONICS – HALF YEAR

10TEH

Course Description

A half-year course suited to students who have many option requirements but who wish to study technology at Year 10 level. This course is an intensive version of the full year course and will focus on the same aspects of the technology curriculum. This course is not intended for students who wish to continue to NCEA, however, consideration will be given at the discretion of the HOD.

Students will be introduced to both the practical and theoretical aspects of electronic circuits, and offering students with a personal interest in the field the opportunity to develop their skills. The course is based on the Technology Curriculum.

Where will it lead to? NCEA Technology (Electronics option); NCEA Technology (Multimaterials option)

Course Materials: 1B5 exercise book, Electronics workbook

Course Costs: \$25 Payable at the start of the course.

10 TECHNOLOGY MULTIMATERIALS – HALF YEAR

10TMH

Course Description

A half-year course suited to students who have many option requirements but who wish to study technology at Year 10 level. This course is an intensive version of the full year course and will focus on the same aspects of the technology curriculum. This course is not intended for students who wish to continue to NCEA, however, consideration will be given at the discretion of the HOD.

Students will be introduced to both the practical aspects of materials (wood and metal), and offer students with a personal interest in the field the opportunity to develop their skills. The course is based on the Technology Curriculum.

Where will it lead to NCEA Technology (Multimaterials option)

Course Materials: 1B5 exercise book

Course Costs: \$25 Payable at the start of the course

10 GRAPHICS

10GDN

Entry requirements

It is preferable that students who are intending to study NCEA Graphics at Levels 1, 2 & 3 take this full year Yr 10 Graphics Course.

Students selecting this option will need to be disciplined in study and homework techniques and should see their Graphics teacher or the Head of Department before selecting this option.

Course Description

Graphics encourages individual expression, creativity, exploration and innovation.

Students will produce a folio of work covering areas such as **Architecture, Media and Product Design**. Within the boundaries of these topics you will use a range of presentation techniques, such as research, design, instrumental drawing, modelling, use of digital photography, CAD etc.

Course Materials: Students must supply and maintain all equipment throughout the course. drawing and rendering equipment, Pencils, Aquarelle colour pencils, Set squares - 45 & 30 / 60, Technical Drawing Compass or Compass Set, A3 drawing paper, Scale ruler, 2x Presentation folders, etc.

Where will it lead to? NCEA Levels 1Graphics

Course Costs: \$25 Payable at the start of the course.

10 TECHNOLOGY ELECTRONICS

10TCE

Course Description

This full year course of study will introduce students to both the practical and theoretical aspects of electronic circuits. This course forms the basis for further study in electronics and technology and is an ideal starter for students with a possible career interest in electronics or telecommunications as well as offering students with a personal interest in the field the opportunity to develop their skills.

Students will study electronic components and theory in detail, build electronic projects and design cases for them, learn to use several electronic circuit simulation and CAD computer packages and carry out some introductory computer programming. Students will learn investigation, design, research and questionnaire skills. The course is based on the technology curriculum

Where will it lead to? NCEA Technology (Electronics option)

Course Materials: 1B5 exercise book, Electronics workbook

Course Costs: \$30 (Payable at the start of the course).

10 TECHNOLOGY FABRICS

10TCF

Course Description

This full year course of study will introduce students to both the theory and practical aspects of fabric technology, from Fabric construction through to garment design and manufacture. This course forms the basis for further study in materials Technology-Fabrics and is an ideal starter for students with a possible career interest the Fashion and Design industry, as well as offering students with a personal interest in the field the opportunity to develop their skills.

The course is based on the technology curriculum

Where will it lead to? NCEA Technology (Fabrics option); NCEA Technology (Alternative option)

Course Materials: 1B5 exercise book, 40page Clearfile

Course Costs: \$25 (Payable at the start of the course).

10 TECHNOLOGY MULTIMATERIALS

10TCM

Course Description

This full year course of study will introduce students to both the practical aspects of materials. This course forms the basis for further study in materials technology and is an ideal starter for students with a possible career interest in engineering or construction industries as well as offering students with a personal interest in the field the opportunity to develop their skills.

Students will learn the properties of materials and the processes involved in working with them. Students will learn investigation, design, research and questionnaire skills. The course is based on the technology curriculum.

Where will it lead to? NCEA Technology (Multimaterials option); NCEA Technology (Alternative option)

Course Materials: 1B5 exercise book,

Course Costs: \$30 (Payable at the start of the course)

11 GRAPHICS

11GDN

Entry Requirements:

Successful completion of Yr 10 Graphics or at discretion of Mr Garraway

Course Description:

Graphics encourages individual expression, creativity, exploration and innovation. Students will produce a folio of work covering areas such as **Architecture, Media and Product Design**. Within the boundaries of these topics you will use a range of presentation techniques, such as research, design, instrumental drawing, modelling, use of digital photography, CAD etc.

This course leads to: NCEA Level 2 & 3 Graphics, Scholarship and tertiary study as well as careers in industry, design, advertising, architecture etc.

Course Materials / Costs:

Students must supply and maintain all equipment throughout the year. E.g. drawing and rendering equipment, Pencils, Aquarelle colour pencils, Set squares - 45 & 30 / 60, Technical Drawing Compass or Compass Set, A3 drawing paper, Scale ruler, 2x Presentation folders, etc.

Enquiries: Mr Garraway in D5 Office

Credits Available		
	Level 1	
	AS	US
Internal	12	
External	12	
		Total 24

11 TECHNOLOGY ALTERNATIVE STAGE 1

11TCA

Entry Requirements : Open Entry

Course Description

This course is particularly aimed at the student who wishes to develop practical skills in a range of materials. Students will produce projects, along with theory, to develop their understanding of materials, construction skills and communication techniques.

Where will it lead? Technology Alternative Stage 2

Course Materials: 40 leaf Clearlite folder, 1B5 journal

Course Costs: \$55.00

Enquiries: Mrs Heywood (T Block), Mr Davis, Mr Ferguson, Technology workroom next to D3)

Credits Available		
Level 1		
	AS	US
Internal		19
External		
		Total 19

11 TECHNOLOGY ELECTRONICS

11TCE

Entry Requirements

10TCE or 10TEH (Minimum Achieved passes in the Basic Theory tests)

Course Description

This course of study leads on directly from Year 10 Electronics and is particularly aimed at the student who wishes to further develop their interest in Electronics or is considering a career in Electronics or Technology. The emphasis is on developing and extending existing skills and theory and also investigating and keeping up-to-date with new technologies.

The Electronics course will include circuit construction, printed circuit board (PCB) design, manufacture of cases using a variety of materials, and microcontroller programming. There is an emphasis on using computer based tools for design. Students will design and modify circuits to meet particular functions and construction requirements.

Where will it lead? Technology Electronics L2

Course Materials: Electronics workbook, 2A5 journal

Course Costs: \$45.00

Enquiries: Mr Collis (D7), Mrs Heywood (T Block)

Credits Available		
Level 1		
	AS	US
Internal	16	2
External	8	
		Total 26

11 TECHNOLOGY FABRICS STAGE 1

11TCF

Entry Requirements

Open Entry, although preference will be given to students who completed the 10TCF course.

Course Description

Technology education is about building student understanding of a model for developing solutions to genuine and authentic needs in society. This course teaches students about fashion design using figure drawing and basic pattern block adaptation; through to modelling and sewing garments. Students will have the opportunity to study fabric type and suitability, as well as processes and techniques. Students will develop a garment range.

This course covers the requirements of the Technology curriculum as well as workshop skills.

Where will it lead? Technology Fabrics Stage 2.

Course Materials: 40 leaf Clearlite folder, A3 clearfile.

Course Costs: \$30.00

Enquiries: Mrs Heywood (T block), Miss Hughes (T3)

Credits Available		
	Level 1	
	AS	US
Internal	16	8
External	6	
		Total 30

11 TECHNOLOGY MULTIMATERIALS STAGE 1

11TCM

Entry Requirements

Open Entry, although preference will be given to students who completed the 10TCM course.

Course Description

This course entails designing and developing of projects using a wide range of materials. Students will have the opportunity to study products and materials, as well as processes and techniques. Students will develop a product of their design.

This course covers the requirements of the Technology curriculum as well as workshop skills.

Where will it lead? Technology Multimaterials Stage 2 or Technology Alternative Stage 2.

Course Materials: 40 leaf Clearlite folder, 2B5 journal

Course Costs: \$55.00

Enquiries: Mrs Heywood (T Block), Mr Ferguson (Technology workroom next to D3)

Credits Available		
	Level 1	
	AS	US
Internal	16	
External	4	
		Total 20

12 GRAPHICS

12GDN

Entry Requirements: Minimum of 12 Credits from Level 1 Graphics

Course Description:

Graphics encourages individual expression, creativity, exploration and innovation.

Students will produce a folio of work covering areas such as **Architecture, Media and Product Design**. Within the boundaries of these topics you will use a range of presentation techniques, such as research, design, instrumental drawing, modelling, use of digital photography, CAD etc.

This course leads to: NCEA Level 3 Graphics, Scholarship and tertiary study as well as careers in industry, design, advertising, architecture etc.

Course Materials / Costs:

Students must supply and maintain all equipment throughout the year. E.g. drawing and rendering equipment, Pencils, Aquarelle colour pencils, Set squares - 45 & 30 / 60, Technical Drawing Compass or Compass Set, A3 drawing paper, Scale ruler, 2x Presentation folders, etc.

Where will it lead? NCEA Graphics L3

Enquiries: Mr Garraway in D5 Office.

Credits Available		
	Level 2	
	AS	US
Internal	12	
External	12	
		Total 24

12 TECHNOLOGY ALTERNATIVE STAGE 2

12TCA

Entry Requirements

- Students who have completed Stage 1.
- Student who have completed Technology Multimaterials L1 (6 credits)

Students who have not completed stage 2 may be required to finish stage 1 before completing stage 2

Course Description

This course is particularly aimed at the student who wishes to further develop practical skills in a wide range of materials and structures. Students will produce a range of projects, along with theory, to develop their understanding of materials, construction skills and communication techniques.

Where will it lead? Technology Alternative Stage 3, employment or further study in the building or construction industry

Course Materials: 40 leaf Clearlite folder, 1B5 Journal

Course Costs: \$55.00

Enquiries: Mr Davis, Mr Ferguson (Technology workroom next to D3), Mrs Heywood (T Block)

Credits Available		
	Level 2	
	AS	US
Internal		19
External		
		Total 19

12 TECHNOLOGY ELECTRONICS

12TCE

Entry Requirements

11TCE with 12 credits in NCEA level 1 in Technology including the externally assessed Achievement Standard or at the HOD's discretion

Course Description

This course of study leads on directly from Year 11 Electronics and is for the student who enjoys designing and developing projects in Electronics. Explore the area of Electronics and Control, with an emphasis on micro-controllers, their programming and interfacing to the real world. Students will develop two projects over the year within a broad set of guidelines.

Where will it lead? Technology Electronics L3 or Tertiary study.

Course Materials: Electronics workbook, 2A5 journal

Course Costs: \$55.00

Enquiries: Mr Collis (D7)

Credits Available		
	Level 2	
	AS	US
Internal	20	3
External	4	
		Total 27

12 TECHNOLOGY FABRICS STAGE 2

12TCF

Entry Requirements

11TCF with 12 credits in NCEA level 1 Technology including the externally assessed Achievement Standard or at the HOD's discretion.

Course Description

This course builds on the knowledge gained in level 1. It begins by teaching students to draft their own body blocks and how to adapt them to make a variety of garments; working from a given brief students will design a range of garments and construct them. This course gives students an insight into the exciting fashion world. This course covers the requirements of the Technology curriculum as well as workshop skills.

Where will it lead? Technology Fabrics Stage 3, employment or further study in the fashion and industry.

Course Materials: A4 40 leaf Clearlite folder, A3 clearfile

Course Costs: \$30.00 + any additional fabric costs

Enquiries: Mrs Heywood (T block), Miss Hughes (T3)

Credits Available		
	Level 2	
	AS	US
Internal	16	5
External	4	
		Total 25

12 TECHNOLOGY MULTIMATERIALS STAGE 2

12TCM

Entry Requirements

11TCM with 12 credits in NCEA level one in Technology including the externally assessed Achievement Standard or at the HOD's discretion.

Course Description

This course entails designing and developing of projects using a wide range of materials. Students will have the opportunity to learn new construction techniques to meet a desired brief

This course covers the requirements of the Technology curriculum as well as workshop skills.

Where will it lead? Technology Multimaterials Stage 3, employment or further study in the building or construction industry

Course Materials: 40 leaf Clearlite folder, 2B5 Journal

Course Costs: \$55.00

Enquiries: Mrs Heywood (T Block), Mr Ferguson (Technology workroom next to D3), as well as workshop skills.

Credits Available		
	Level 2	
	AS	US
Internal	14	3
External	4	
		Total 21

13 GRAPHICS

13GDN

Entry Requirements

Minimum of 12 Credits from Level 1 Graphics and successful completion of Yr 12 Graphics

Course Description

Graphics encourages individual expression, creativity, exploration and innovation.

Students will produce a folio of work covering areas such as **Architecture, Media and Product Design**. Within the boundaries of these topics you will use a range of presentation techniques, such as research, design, instrumental drawing, modelling, use of digital photography, CAD etc.

Where will it lead? Tertiary study in University Architecture and Design.

Course Materials / Costs:

Students must supply and maintain all equipment throughout the year. E.g. drawing and rendering equipment, Pencils, Aquarelle colour pencils, Set squares - 45 & 30 / 60, Technical Drawing Compass or Compass Set, A3 drawing paper, Scale ruler, 2 x Presentation folders, etc.

Enquiries: Mr Garraway in D5 Office

Credits Available		
	Level 3	
	AS	US
Internal	15	
External	9	
		Total 24

13 TECHNOLOGY ALTERNATIVE STAGE 3

13TCA

Entry Requirements

Students who have completed year 12/Stage 2.

Students who have not completed stage 2 may be required to finish stage 2 before completing stage 3

Course Description

This course is particularly aimed at the student who wishes to further advance their existing practical skills in a wide range of materials and structures. Students will produce a range of prototypes and projects, along with industry theory, to develop their understanding of materials, construction skills and communication techniques. The course will lead onto Tertiary Industry Training. Some students may be selected for work experience placements.

Where will it lead? Technology Electronics L3 or Tertiary study.

Course Materials: 40 leaf Clearlite folder, 1B5 journal

Course Costs: \$55.00

Enquiries: Mrs Heywood (T Block), Mr Davis, Mr Ferguson (Technology workroom next to D3)

Credits Available		
	Level 3	
	AS	US
Internal		19
External		
		Total 19

13 TECHNOLOGY ELECTRONICS

13TCE

Entry Requirements

12TCE with 12 credits in NCEA level 2 Technology including the externally assessed Achievement Standard or at the HOD's discretion.

Course Description

This course of study leads on directly from Year 12 Electronics and is particularly aimed at the student who wishes to further develop their interest in Electronics or is considering a career in Electronics or Technology. The course gives the opportunity for students to undertake an in depth inquiry based project which would include aspects of research, circuit design, microcontroller programming, printed circuit board (PCB) design and manufacture of cases using a variety of materials. There is an emphasis on using computer based tools for design.

Where will it lead?

Technology Electronics L3 or Tertiary study.

Course Materials: Electronics workbook, 2A5 journal

Course Costs: \$55.00

Enquiries: Mr Collis (D7)

Credits Available		
	Level 3	
	AS	US
Internal	16	6
External	8	
		Total 30

13 TECHNOLOGY FABRICS STAGE 3

13TCF

Entry Requirements

- 12TCF/Stage 2 with 12 credits in NCEA level 2 in Technology.
- Students who have not attained Stage 2 may be required to be assessed using Level 2 &3 Standards

Course Description

This course builds further on the knowledge taught at level 1 and 2. Students will combine their skills and knowledge to design and construct a garment range, providing the students with a fantastic opportunity to launch themselves into the world of Fashion and Design.

Students entered for Level 3 standards must work with an approved client.

This course covers the requirements of the Technology curriculum as well as workshop skills.

Credits Available		
	Level 3	
	AS	US
Internal	12	5
External	4	
		Total 21

Where will it lead?

Tertiary study in Fashion and Design, Textile design, Knitwear design. Theatre and Costume design.

Course Materials: 40 leaf Clearlite folder, 2B5 journal

Course Costs: \$30.00 + any additional fabric costs

Enquiries: Mrs Heywood (T Block), Miss Hughes (T3)

13 TECHNOLOGY MULTI MATERIALS STAGE 3

13TCM

Entry Requirements

- 12TCM/Stage 2 with 12 credits in NCEA level two in Technology.
- Students who have not attained Stage 2 may be required to be assessed using Level 2 &3 Standards

Course Description

This course entails designing and developing projects using a wide range of materials. Students will have the opportunity to refine construction techniques to meet an identified need.

This course covers the requirements of the Technology curriculum as well as workshop skills.

Where will it lead? Tertiary study in University Engineering and Industry Tertiary Training.

Course Materials: 40 leaf Clearlite folder, 2B5 journal

Course Costs: \$55.00

Enquiries: Mrs Heywood (T Block), Mr Ferguson (Technology workroom next to D3)

Credits Available		
	Level 3	
	AS	US
Internal	12	9
External	4	
		Total 25