

2018

OREWA COLLEGE
COURSE BOOK
YEAR 13

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courses



YEAR 13 - STUDENT INFORMATION

SELECTING A COURSE

Year 13 Course Requirements

Students will be required to study **six** subjects. All students will have an independent study option.

Please be aware that prerequisites for all courses can change without notice. Entry to courses is not guaranteed and student numbers may be restricted due to factors such as staffing availability for that course, timetabling and other reasons that make it impracticable to enrol all students into a course.

In selecting a programme of study students need to consider:

- Your interests and abilities
- Which subjects you enjoy the most
- The skills you have and would like to develop
- Your future career interests
- Any subject requirements (prerequisites) at the next level.

As you plan your course and choose your subjects, check:-

- The prerequisites for entry into each subject.
- The number of credits generated by each subject.
- Whether the subject offers Achievement Standards or Unit Standards.
- Whether or not the subject is an approved subject (for University Entrance)
- What subjects, grades, credits are needed for entry to the University/course you are interested in attending.

It is important that you are interested and enjoy the subjects you choose.

A question you should ask yourself is, *"Have I discussed my preferences with my parents and teachers - form teacher, subject teacher, Head of Department?"*.

YEAR 13 - STUDENT INFORMATION

Entry Requirements for NCEA Level 3 Courses

- Students may choose any course as long as they have met the entry **prerequisites**.
- Students who fail this entry requirement may be required to repeat the previous year's courses.
- Students who fail entry criteria and want to apply for an exemption, must apply in writing to the HoD at course confirmation and may be placed on a contract.

Options

| | | |
|-------------------------------|--|--------------------------------|
| Accounting | Drama | Media Studies |
| Art Design | Earth and Space Science | Music |
| Art Painting | Economics | New Zealand Experience |
| Art Photography | Engineering | Outdoor Education |
| Biology | English | Performance Technology Credits |
| Business Studies | ESOL - English for Speakers of other Languages | Physical Education |
| Carpentry | Food Technology | Physics |
| Chemistry | Geography | Product Development |
| Classical Studies | Health | Recreation |
| Community Sports Leadership | History | Senior Workshop |
| Creative Pattern Making | Hospitality | Social Studies |
| Dance | IELTS | Spanish |
| Design & Visual Communication | Japanese | Te Reo Māori |
| Digital Technologies | Mathematics | Textile Technology |

NCEA Level 3 Certificate

- Requires a total of 80 credits.
- 60 credits must be at Level 3 or higher.
- 20 credits can be from Level 2 or higher.
- Involves both internally assessed and externally assessed work.
- There is no literacy or numeracy requirement, but note the [University Entrance Requirements](#).

YEAR 13 - STUDENT INFORMATION

Scholarship

NZQA Scholarships are gained through examinations at Level 4. Scholarship provides recognition and monetary reward to top students in their last year of schooling. Scholarship is a monetary award **NOT** a qualification. It does not carry credits towards NCEA, but will be reported on your Record of Learning. Scholarship exams enable candidates to be assessed against challenging standards, and are demanding for the most able candidates in each subject. Scholarship candidates are expected to demonstrate high-level critical thinking, abstraction and generalisation, and to integrate, synthesise and apply knowledge, skills, understanding and ideas to complex situations.

The monetary value varies according to the results a student achieves. More details can be found on the [NZQA website](#).

Course Entry Requirements for Scholarship courses

- Involves sitting the external Scholarship examination in one or more subjects.
- Students have to demonstrate knowledge and understanding at an advanced level (Excellence).
- Students must apply to enter Scholarship when selecting their courses.
- Students need to pay \$30 per subject to enter Scholarship, in addition to the NCEA fees.

Refunds

Once a student is enrolled in a course, the course fee is due. Any refund that may be due will need to be applied for.

Careers information

Please visit the following websites for some useful career guidance:- www.careersnz.govt.nz

Interactive tools:

<http://www.careers.govt.nz/tools/subject-matcher/> - **“Subject Matcher”** – job ideas based on subjects you enjoy.

<http://www.careers.govt.nz/tools/skill-matcher> - **“Skill Matcher”** – job ideas based on skills you enjoy using or are interested in learning.

<https://www.futureintech.org.nz/>

<http://www.justthejob.co.nz/>

LEVEL 3 | LEARNING AREAS

| | | | |
|-------------------|--------------------|------------------------|-------------------|
| <u>BUSINESS</u> | <u>ENGLISH</u> | <u>HEALTH & PE</u> | <u>HUMANITIES</u> |
| <u>LANGUAGES</u> | <u>MATHEMATICS</u> | <u>PERFORMING ARTS</u> | <u>SCIENCE</u> |
| <u>TECHNOLOGY</u> | <u>VISUAL ARTS</u> | | |

PATHWAY MAP - BUSINESS & ENGLISH

YEAR 9

YEAR 10

YEAR 11

YEAR 12

YEAR 13

BUSINESS

Financial Literacy

Business Accounting

Business Enterprise

Accounting

Economics

Accounting

Business Studies

Economics

Accounting

Business Studies

Economics

ENGLISH

English

English

English Academic

English External

English Integrated

English Literacy

Media Studies

English Academic

English Visual

English Reading and Writing

Pathways - Communicate 4 Life

Media Studies

Pathways - Short Film Production

English External

English Scholarship

English Internal

Media Studies

Media Studies Scholarship

PATHWAY MAP - HEALTH & PHYSICAL EDUCATION

YEAR 9

YEAR 10

YEAR 11

YEAR 12

YEAR 13

HEALTH & PHYSICAL EDUCATION

Health & Physical
Education

Health & Physical
Education

Health

Health

Health

Physical Education

Physical Education

Physical Education

Sports Academy

Sports Academy

Outdoor Education

Outdoor Education

Sports Leadership

Community Sports
Leadership

Recreation

Recreation

Pathways -
Event Management

Pathways -
Sports Leadership

PATHWAY MAP - HUMANITIES



PATHWAY MAP - LANGUAGES

YEAR 9

YEAR 10

YEAR 11

YEAR 12

YEAR 13

LANGUAGES

Japanese

Spanish

Te Reo Māori

Chinese

ESOL Elementary A

ESOL Elementary B

ESOL Intermediate A

Japanese

Spanish

Te Reo Māori

Chinese

ESOL Elementary A

ESOL Elementary B

ESOL Intermediate A

Japanese

Spanish

Te Reo Māori

ESOL Elementary A

ESOL Elementary B

ESOL Intermediate A

ESOL Intermediate B

IELTS International English
Language Testing System

Japanese

Spanish

Te Reo Māori

ESOL Elementary A

ESOL Elementary B

ESOL Intermediate A

ESOL Intermediate B

ESOL Advanced

IELTS International English
Language Testing System

Japanese

Spanish

Te Reo Māori

ESOL Elementary A

ESOL Elementary B

ESOL Intermediate A

ESOL Intermediate B

ESOL Advanced

IELTS International English
Language Testing System

PATHWAY MAP - MATHEMATICS

| YEAR 9 | YEAR 10 | YEAR 11 | YEAR 12 | YEAR 13 |
|--------------------|---------------------|----------------------|-----------------------------|---|
| MATHEMATICS | | | | |
| Mathematics | Mathematics | Mathematics External | Mathematics with Calculus | Mathematics with Calculus |
| | | | | Mathematics with Calculus Scholarship |
| | | | Mathematics with Statistics | Mathematics with Statistics |
| | | | | Mathematics with Statistics Scholarship |
| | | Mathematics Internal | Mathematics Internal | Mathematics Internal |
| | Mathematics Applied | Mathematics Applied | Mathematics Applied | |
| | | | Pathways - Maths 4 Life | |

PATHWAY MAP - PERFORMING ARTS

YEAR 9

YEAR 10

YEAR 11

YEAR 12

YEAR 13

PERFORMING ARTS

Dance

Drama

Music

Dance

Drama

Music

Dance

Drama

Music

Music Technology

Performance Technology
Credits

Dance

Drama

Music

Music Technology

Performance Technology
Credits

Dance

Drama

Music

Performance Technology
Credits

PATHWAY MAP - SCIENCE

YEAR 9

YEAR 10

YEAR 11

YEAR 12

YEAR 13

SCIENCE

Science

Science

Bioscience

Science

Science Extension

Physical Science

Science Alternative

Biology

Chemistry

Physics

Earth and Space Science

Pathways - Electrics 4 Life

Pathways - Land Design

Biology

Biology Scholarship

Chemistry

Chemistry Scholarship

Physics

Physics Scholarship

Earth and Space Science

PATHWAY MAP - TECHNOLOGY

YEAR 9

YEAR 10

YEAR 11

YEAR 12

YEAR 13

TECHNOLOGY

Digital Technologies

Food Technology

Product Development

Textile Technology

Digital Technologies

Food Technology

Product Development

Textile Technology

Design & Visual
Communication

Digital Technologies

Food

Product Development

Textile Technology

Design & Visual
Communication

Carpentry

Engineering

Workshop Apprentice Skills

Digital Technologies

Food Technology

Hospitality

Product Development

Textile Technology

Design & Visual
Communication

Carpentry

Engineering

Senior Workshop

Pathways - Promoting
Yourself Online

Digital Technologies

Food Technology

Hospitality

Product Development

Textile Technology

Creative Pattern Making

Design & Visual
Communication

Carpentry

Engineering

Senior Workshop

PATHWAY MAP - VISUAL ART & ADDITIONAL COURSES

YEAR 9

YEAR 10

YEAR 11

YEAR 12

YEAR 13

VISUAL ART

Visual Art

Visual Art

Visual Art

Art Design

Art Painting

Art Photography

Art Design

Art Painting

Art Photography

Art Extension

ADDITIONAL COURSES

Youth Award Scheme

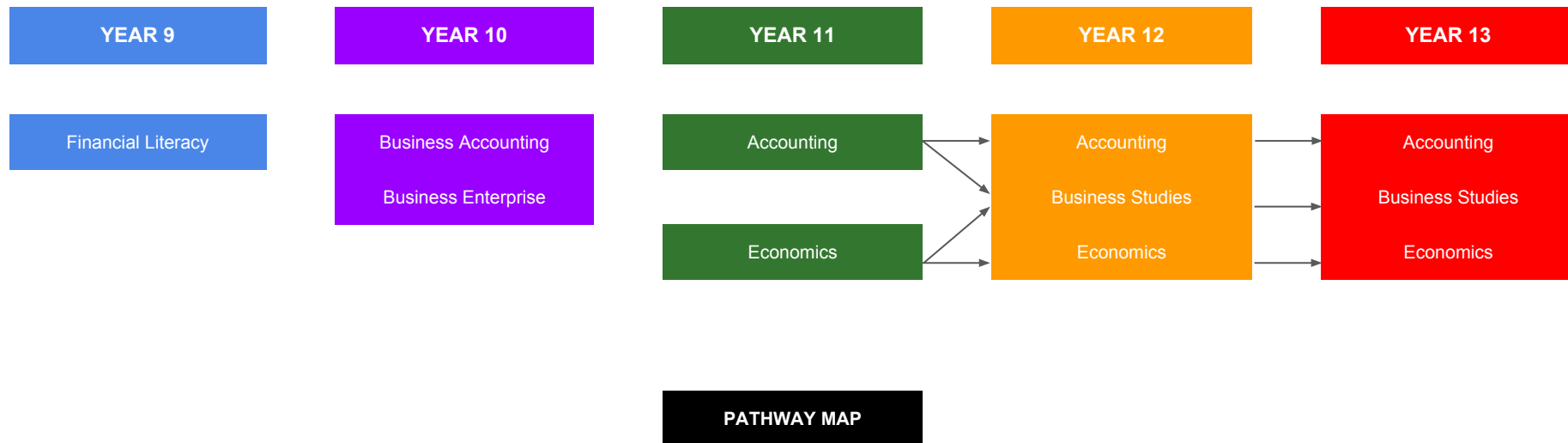
Pathways - Work Ready

Youth Award Scheme

Independent Learning

Gateway

BUSINESS PATHWAYS MAP



L3 ACCOUNTING

L3

Accounting provides information for financial decision making. Every business and organisation needs accountants to measure performance and provide information for decisions. You will learn how to present financial statements that can be used to assist business planning and decision making. The course covers concepts, accounting for partnerships, job costing and company financial statement preparation.

| INTERNAL | EXTERNAL | TOTAL | UE LITERACY READING | UE LITERACY WRITING | UNIVERSITY APPROVED |
|----------|----------|-------|------------------------|------------------------|------------------------|
| 8 | 9 | 17 | 4 | 0 | YES |

Prerequisites

12 credits in L2 Accounting.

| | | | | | |
|-----------|---|------------|-----|-------|-----|
| EOTC DAYS | 0 | TRIP COSTS | NIL | COSTS | NIL |
|-----------|---|------------|-----|-------|-----|

L3 BUSINESS STUDIES

L3

This course is designed to help you consider how businesses operate in a global environment. You will develop your understanding of business theory through studying relevant case studies and learn to apply this theory in developing a business plan for a group business activity. Issues of sustainability, enterprise and globalisation are fundamental in business planning and are examined as part of the course, along with other internal and external factors which influence business success. You will develop your planning, organisational and leadership skills.

| INTERNAL | EXTERNAL | TOTAL | UE LITERACY READING | UE LITERACY WRITING | UNIVERSITY APPROVED |
|----------|----------|-------|------------------------|------------------------|------------------------|
| 18 | 4 | 22 | 22 | 4 | YES |

Prerequisites

12 credits in L2 Business studies OR HoD application.

| | | | | | |
|-----------|---|------------|-----|-------|-----|
| EOTC DAYS | 0 | TRIP COSTS | NIL | COSTS | NIL |
|-----------|---|------------|-----|-------|-----|

L3 ECONOMICS

L3

This course will enable you to develop a continuing interest in current local and global economic issues. Throughout the year, we will discuss a wide range of issues that are affecting the New Zealand economy at present, the effects on society, how society deals with the issues and major influences of government on the economy. You will learn about how markets fail and the strategies governments put in place to compensate for market failure. It also covers the different types of market structures and international trade.

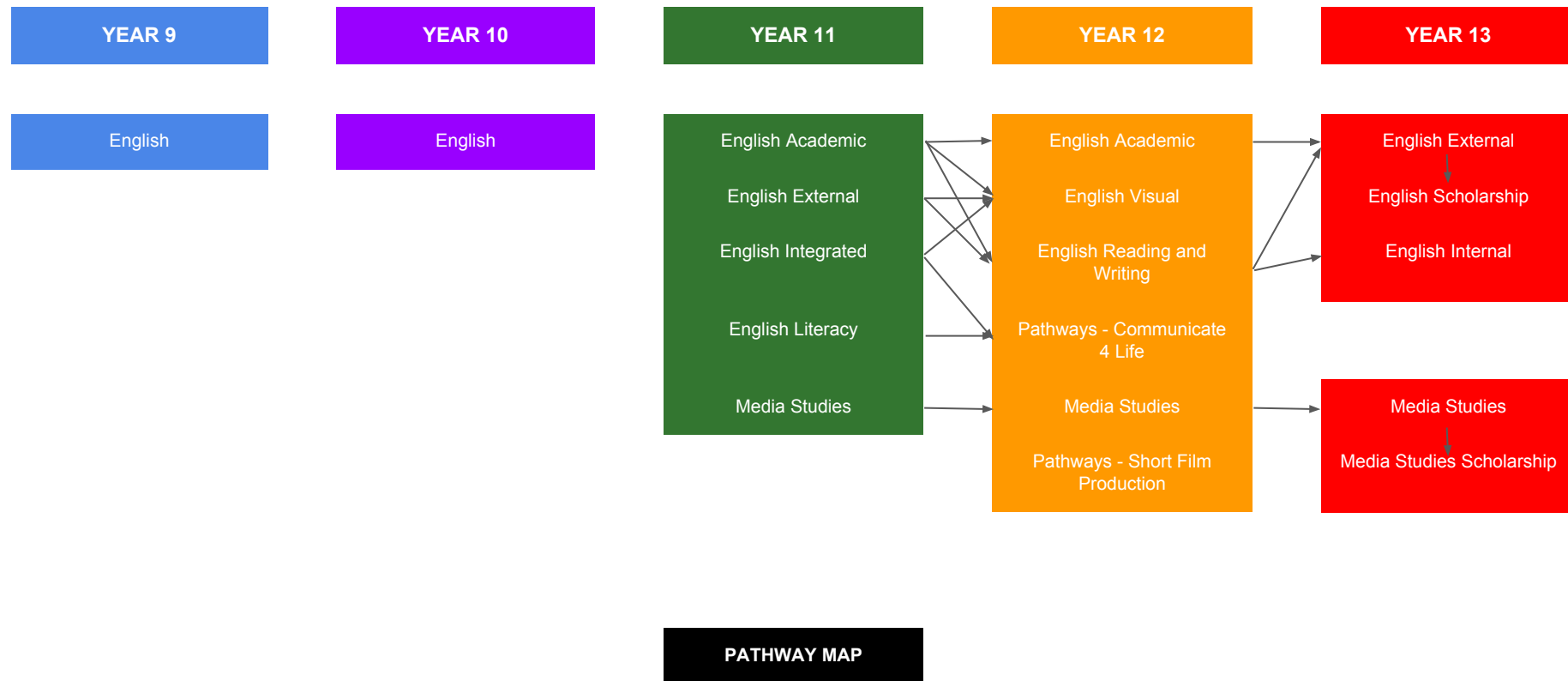
| INTERNAL | EXTERNAL | TOTAL | UE LITERACY READING | UE LITERACY WRITING | UNIVERSITY APPROVED |
|----------|----------|-------|------------------------|------------------------|------------------------|
| 10 | 8 | 18 | 18 | 8 | YES |

Prerequisites

12 Credits in L2 Economics

| | | | | | |
|-----------|---|------------|-----|-------|-----|
| EOTC DAYS | 0 | TRIP COSTS | NIL | COSTS | NIL |
|-----------|---|------------|-----|-------|-----|

ENGLISH PATHWAYS MAP



L3 ENGLISH EXTERNAL

L3

This is a university approved course that allows you to gain some UE literacy credits. You will complete internal and external standards that focus on critical analysis of texts, being able to craft coherent oral and written responses and make connections across texts. You will be expected to sit the ICAS English competition.

| INTERNAL | EXTERNAL | TOTAL | UE LITERACY READING | UE LITERACY WRITING | UNIVERSITY APPROVED |
|----------|----------|-------|------------------------|------------------------|------------------------|
| 13 | 8 | 21 | 4 | 14 | YES |

Prerequisites

You should be working at merit and excellence level and must have gained 12 Level 2 English credits including two external standards or by HoD approval under exceptional circumstances.

| | | | | | |
|-----------|---|------------|-----|-------|--------|
| EOTC DAYS | 0 | TRIP COSTS | NIL | COSTS | \$9.50 |
|-----------|---|------------|-----|-------|--------|

L3 ENGLISH INTERNAL

L3

This course allows you to gain some UE literacy credits. You will complete internal and a single external standard. You will focus on being able to critically analyse different texts, craft a coherent oral text, create a visual text and write critically about connections across texts.

| INTERNAL | EXTERNAL | TOTAL | UE LITERACY READING | UE LITERACY WRITING | UNIVERSITY APPROVED |
|----------|----------|-------|------------------------|------------------------|------------------------|
| 16 | 4 | 20 | 4 | 10 | YES |

Prerequisites

You must have 12 Level 2 English credits including one external standard or by HoD approval under exceptional circumstances.

| | | | | | |
|-----------|---|------------|-----|-------|-----|
| EOTC DAYS | 0 | TRIP COSTS | NIL | COSTS | NIL |
|-----------|---|------------|-----|-------|-----|

L3 ENGLISH SCHOLARSHIP

L3

You must be working at excellence or merit level to enter this course because the aim is for you to attempt Scholarship. You will also gain some UE literacy credits through the research internal and the unfamiliar text examination.

| INTERNAL | EXTERNAL | TOTAL | UE LITERACY READING | UE LITERACY WRITING | UNIVERSITY APPROVED |
|----------|----------|-------|------------------------|------------------------|------------------------|
| 4 | 4 | 8 | 8 | 4 | YES |

Prerequisites

You are working at excellence or merit level and must have gained 12 level 2 English credits including two external standards or by HOD approval under exceptional circumstances.

| | | | | | |
|-----------|---|------------|-----|-------|-----|
| EOTC DAYS | 0 | TRIP COSTS | NIL | COSTS | NIL |
|-----------|---|------------|-----|-------|-----|

L3 MEDIA STUDIES

L3

This course has both academic and practical components. You will gain an understanding of specific media texts, how media affects New Zealand, explore the relationship of genre and society and plan and design a media product. You must have a memory stick and SD card of 4GB or greater available for use at school. You also gain some UE literacy credits.

| INTERNAL | EXTERNAL | TOTAL | UE LITERACY READING | UE LITERACY WRITING | UNIVERSITY APPROVED |
|----------|----------|-------|------------------------|------------------------|------------------------|
| 16 | 4 | 20 | 4 | 4 | YES |

Prerequisites

You must have 12 level 2 Media Studies credits including the external standard or 12 English credits including an external or by HoD approval under exceptional circumstances.

| | | | | | |
|-----------|---|------------|-----|-------|-----|
| EOTC DAYS | 1 | TRIP COSTS | NIL | COSTS | NIL |
|-----------|---|------------|-----|-------|-----|

L3 MEDIA STUDIES SCHOLARSHIP

L3

You must be working at excellence or merit level to enter this course because the aim is for you to attempt Scholarship. You will complete one internal standard on media development and could gain some UE literacy credits through the external examination standard on the media industry.

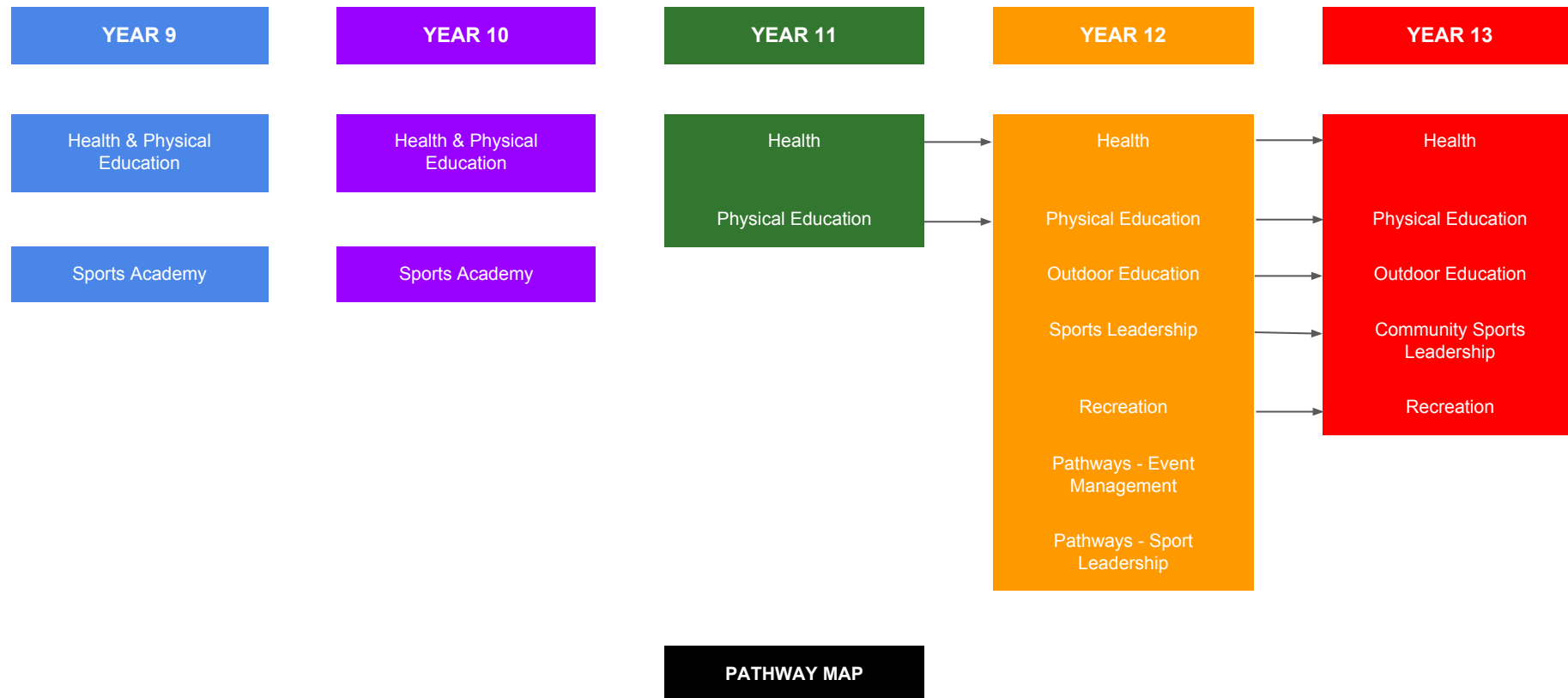
| INTERNAL | EXTERNAL | TOTAL | UE LITERACY READING | UE LITERACY WRITING | UNIVERSITY APPROVED |
|----------|----------|-------|------------------------|------------------------|------------------------|
| 3 | 4 | 7 | 4 | 4 | YES |

Prerequisites

You are working at excellence or merit level and must have gained 12 Level 2 English credits including two external standards or by HoD approval under exceptional circumstances.

| | | | | | |
|-----------|---|------------|-----|-------|-----|
| EOTC DAYS | 0 | TRIP COSTS | NIL | COSTS | NIL |
|-----------|---|------------|-----|-------|-----|

HEALTH & PHYSICAL EDUCATION PATHWAYS MAP



L3 COMMUNITY SPORTS LEADERSHIP

L3

This course is entirely internally assessed and all units of work incorporate a healthy balance of both practical and theory work. The objective of this course is to develop leadership and for students to gain the knowledge and skills that will enable them to lead others in their communities to participate in physical activity.

| INTERNAL | EXTERNAL | TOTAL | UE LITERACY READING | UE LITERACY WRITING | UNIVERSITY APPROVED |
|----------|----------|-------|------------------------|------------------------|------------------------|
| 16 | 0 | 16 | 0 | 0 | NO |

Prerequisites

Students allowed onto this course must make a commitment to be involved in either 'Coaching', 'Management', 'Refereeing', 'Mentoring', or a club/team (ideally within Orewa College) during the year.

| | | | | | |
|-----------|-----|------------|-----|-------|------|
| EOTC DAYS | 0.5 | TRIP COSTS | NIL | COSTS | \$20 |
|-----------|-----|------------|-----|-------|------|

L3 HEALTH

L3

This course will require students to critically examine health issues. Students will explore their own topics based around both NZ and International Health issues; ethical issues; and health issues prevalent in our Pacific region.

| INTERNAL | EXTERNAL | TOTAL | UE LITERACY READING | UE LITERACY WRITING | UNIVERSITY APPROVED |
|----------|----------|-------|------------------------|------------------------|------------------------|
| 14 | 5 | 19 | 19 | 5 | YES |

Prerequisites

13 Credits at Level 2 Health, or with HoD approval.

| | | | | | |
|-----------|---|------------|-----|-------|-----|
| EOTC DAYS | 0 | TRIP COSTS | NIL | COSTS | \$5 |
|-----------|---|------------|-----|-------|-----|

L3 OUTDOOR EDUCATION

L3

This course aims to give students the opportunity to develop their understanding, skill and proficiency in a number of outdoor pursuits. Topics covered include: Risk management, outdoor preparation and planning for safe outdoor experiences.

| INTERNAL | EXTERNAL | TOTAL | UE LITERACY READING | UE LITERACY WRITING | UNIVERSITY APPROVED |
|----------|----------|-------|------------------------|------------------------|------------------------|
| 17 | 0 | 17 | 0 | 0 | NO |

Prerequisites

Acceptance into the course is not guaranteed and requires students to complete an application form. This is due to the number of out of school activities, preference will be given to students with good self management grades.

* Please note the field trip included in this course is advantageous for students, but alternative learning opportunities are provided (at no cost).

| | | | | | |
|-----------|---|------------|--------|-------|------|
| EOTC DAYS | 6 | TRIP COSTS | \$450* | COSTS | \$25 |
|-----------|---|------------|--------|-------|------|

L3 PHYSICAL EDUCATION

L3

This course will provide the opportunity to further develop knowledge and understanding in the areas covered in Level 1 and 2 Physical Education. Students will also be required to use critical evaluation skills in order to apply their knowledge in practical situations.

| INTERNAL | EXTERNAL | TOTAL | UE LITERACY READING | UE LITERACY WRITING | UNIVERSITY APPROVED |
|----------|----------|-------|------------------------|------------------------|------------------------|
| 19 | 0 | 19 | 12 | 4 | YES |

Prerequisites

13 credits at Level 2 Physical Education and passing of the Achievement Standard 2.3, or with HoD approval.

* Please note the field trip included in this course is advantageous for students, but alternative learning opportunities are provided (at no cost).

| | | | | | |
|-----------|-----|------------|-------|-------|------|
| EOTC DAYS | 0.5 | TRIP COSTS | \$90* | COSTS | \$25 |
|-----------|-----|------------|-------|-------|------|

L3 RECREATION

L3

This course will involve no assessment opportunities and so therefore offer no credits for students. It is provided for students who would like the opportunity to be active whilst balancing the demands of NCEA, through participating in various physical activities throughout the year.

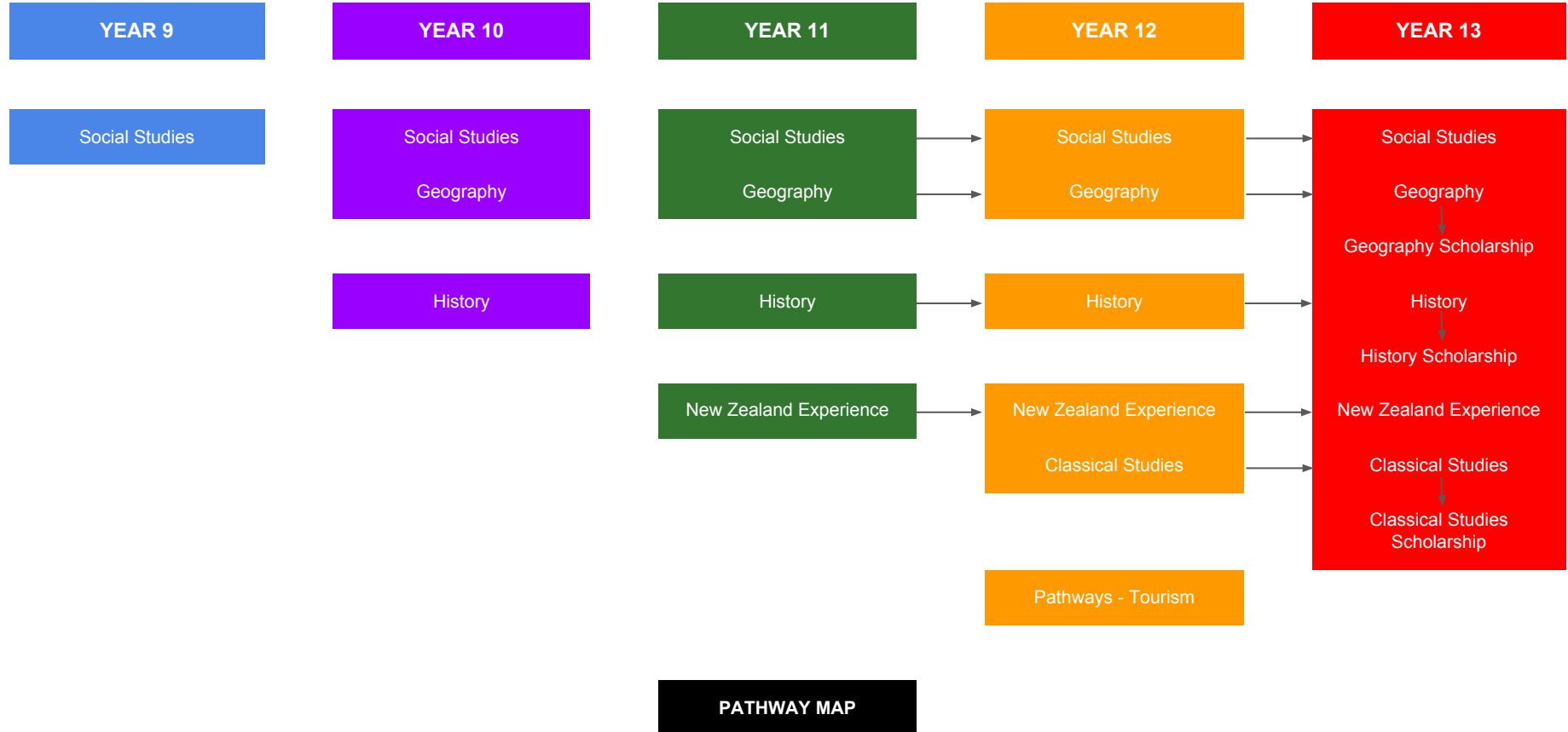
| INTERNAL | EXTERNAL | TOTAL | UE LITERACY READING | UE LITERACY WRITING | UNIVERSITY APPROVED |
|----------|----------|-------|------------------------|------------------------|------------------------|
| 0 | 0 | 0 | 0 | 0 | NO |

Prerequisites

None

| | | | | | |
|-----------|---|------------|-----|-------|------|
| EOTC DAYS | 0 | TRIP COSTS | NIL | COSTS | \$10 |
|-----------|---|------------|-----|-------|------|

HUMANITIES PATHWAYS MAP



L3 CLASSICAL STUDIES

L3

You will embark on a voyage of discovery of Roman and Greek civilisations; inhabited by great comedians, frogs, cowardly gods, and maniacal Emperors. We will investigate the form, function and messages found in Roman Architecture built over 2000 years ago. You will also study the delights of Greek Comedy, in all its filth, and compare it to modern comedies, hopefully including a trip to see some live comedy.

| INTERNAL | EXTERNAL | TOTAL | UE LITERACY READING | UE LITERACY WRITING | UNIVERSITY APPROVED |
|----------|----------|-------|------------------------|------------------------|------------------------|
| 12 | 8 | 20 | 20 | 8 | YES |

Prerequisites

Good literacy is necessary for this course. 14 Credits from Level 2 Classical Studies (or entrance via HoD's discretion).

* Please note the field trip included in this course is advantageous for students, but alternative learning opportunities are provided (at no cost).

| EOTC DAYS | 1 | TRIP COSTS | \$95* | COSTS | \$20 |
|-----------|---|------------|-------|-------|------|
|-----------|---|------------|-------|-------|------|

L3 CLASSICAL STUDIES SCHOLARSHIP

L3

The scholarship programme for Classical studies will require students to complete three answers in essay, or paragraph format. For two questions you must expand on your knowledge of Aristophanic Comedy and Roman Architecture, whilst in the third written piece you will need to interpret unfamiliar sources of evidence and make connections between them and the concept of empire and power, with specific focus on political and military leadership.

| INTERNAL | EXTERNAL | TOTAL | UE LITERACY READING | UE LITERACY WRITING | UNIVERSITY APPROVED |
|----------|----------|-------|------------------------|------------------------|------------------------|
| 0 | 0 | 0 | 0 | 0 | NO |

Prerequisites

Must have achieved at a excellence level in Level 2 Classical Studies, and have demonstrated flair and organisation in your writing style. All candidates will be vetted before final entries are made following school exams.

| | | | | | |
|-----------|---|------------|-----|-------|-----|
| EOTC DAYS | 0 | TRIP COSTS | NIL | COSTS | NIL |
|-----------|---|------------|-----|-------|-----|

L3 GEOGRAPHY

L3

The first component of the course involves the study of natural processes in a geographical environment. The particular environment studied is the Tongariro River drainage basin including all the fluvial and slope processes that have shaped the basin. The second topic is the cultural process of Tourism Development, with Rotorua (and Bali) as the case studie(s). Also covered in the course are general geographic skills, the study of El Nino as a global phenomenon, Human Trafficking as a contemporary geographic issue and a research topic which enables students to become familiar with the rigours of scientific research.

| INTERNAL | EXTERNAL | TOTAL | UE LITERACY READING | UE LITERACY WRITING | UNIVERSITY APPROVED |
|----------|----------|-------|------------------------|------------------------|------------------------|
| 11 | 12 | 23 | 15 | 12 | YES |

Prerequisites

12 credits at Level 2 geography level, of which 4 must be from external standards; All others must seek approval from the HoD.

* Please note the field trip included in this course is advantageous for students, but alternative learning opportunities are provided (at no cost).

| EOTC DAYS | 3 | TRIP COSTS | \$325* | COSTS | \$10 |
|-----------|---|------------|--------|-------|------|
|-----------|---|------------|--------|-------|------|

L3 GEOGRAPHY SCHOLARSHIP

L3

Work covers all aspects of the typical Scholarship Exam, concentrating on getting students up to the required level to gain a scholarship. Sample papers are analysed and attempted, and all student work is graded. Time is allocated for individual research and task creation in the line of composing a typical scholarship paper.

| INTERNAL | EXTERNAL | TOTAL | UE LITERACY READING | UE LITERACY WRITING | UNIVERSITY APPROVED |
|----------|----------|-------|------------------------|------------------------|------------------------|
| 0 | 0 | 0 | 0 | 0 | NO |

Prerequisites

Excellence grades in 2 Level 2 Geography Standards and must be enrolled in Level 3 Geography.

| | | | | | |
|-----------|---|------------|-----|-------|------|
| EOTC DAYS | 0 | TRIP COSTS | NIL | COSTS | \$10 |
|-----------|---|------------|-----|-------|------|

L3 HISTORY

L3

This course is designed to prepare you for university. You begin by choosing a sources topic from the colonial period (Social Darwinism, slavery, missionaries to name a few) where you will analyse at least 12 sources. From here you may use this topic, or choose a new topic, to complete a second internal which analyses an event in depth. Our last internal will see you look at a contested event, displaying various perspectives from a significant NZ history topic of your choosing. The external paper you will complete is based around the forces that influenced the trend Liberalism, such as the French and American Revolutions, the Industrial Revolution, the Great Depression and today's political theories around Neo- Liberalism.

| INTERNAL | EXTERNAL | TOTAL | UE LITERACY READING | UE LITERACY WRITING | UNIVERSITY APPROVED |
|----------|----------|-------|------------------------|------------------------|------------------------|
| 15 | 6 | 21 | 15 | 21 | YES |

Prerequisites

14 Credits from Level 2 History which must include at least one external pass or 14 credits from Classical Studies, or English (with evidence of success on external standards) or with the approval of the TIC/HoD.

PLEASE NOTE - If a History student from Level two does not submit a paper or chooses not to sit an external standard they will require HOD approval.

| | | | | | |
|-----------|---|------------|-----|-------|------|
| EOTC DAYS | 0 | TRIP COSTS | NIL | COSTS | \$10 |
|-----------|---|------------|-----|-------|------|

L3 HISTORY SCHOLARSHIP

L3

The scholarship programme for History will require students to develop strengths around the areas of critical thinking/writing and source analysis. Previous years scholarship candidates have been asked to focus on historical trends over time in an essay format whilst utilising a bank of resources that have been given to them in the exam.

| INTERNAL | EXTERNAL | TOTAL | UE LITERACY READING | UE LITERACY WRITING | UNIVERSITY APPROVED |
|----------|----------|-------|------------------------|------------------------|------------------------|
| 0 | 0 | 0 | 5 | 0 | NO |

Prerequisites

Students must have achieved at a excellence level in Level 2 History, and have demonstrated flair and organisation in your writing style. All candidates will be vetted before final entries are made following school exams.

| | | | | | |
|-----------|---|------------|-----|-------|-----|
| EOTC DAYS | 0 | TRIP COSTS | NIL | COSTS | NIL |
|-----------|---|------------|-----|-------|-----|

L3 NEW ZEALAND EXPERIENCE

L3

This is a class for international students to learn more about New Zealand's culture, history, and environment. The course involves learning outside the classroom with day trips and a camp in Auckland and Northland.

| INTERNAL | EXTERNAL | TOTAL | UE LITERACY READING | UE LITERACY WRITING | UNIVERSITY APPROVED |
|----------|----------|-------|------------------------|------------------------|------------------------|
| 0 | 0 | 0 | 0 | 0 | NO |

Prerequisites

None.

* Please note the field trip included in this course is advantageous for students, but alternative learning opportunities are provided (at no cost).

| | | | | | |
|-----------|----|------------|--------|-------|-----|
| EOTC DAYS | 12 | TRIP COSTS | \$200* | COSTS | NIL |
|-----------|----|------------|--------|-------|-----|

L3 SOCIAL STUDIES

L3

This course will build on skills developed over the last two years. We will examine people's' perspectives on a current issue such as the Marriage Amendment Act as well as a policy change that you might want to challenge as part of a personal social action. You will also get the opportunity to focus on an inquiry about a national policy that New Zealanders might have quite strong opinion on e.g the 4 km speed limit during holidays. The final topic will look at how China has been shaped by communist and capitalist ideologies.

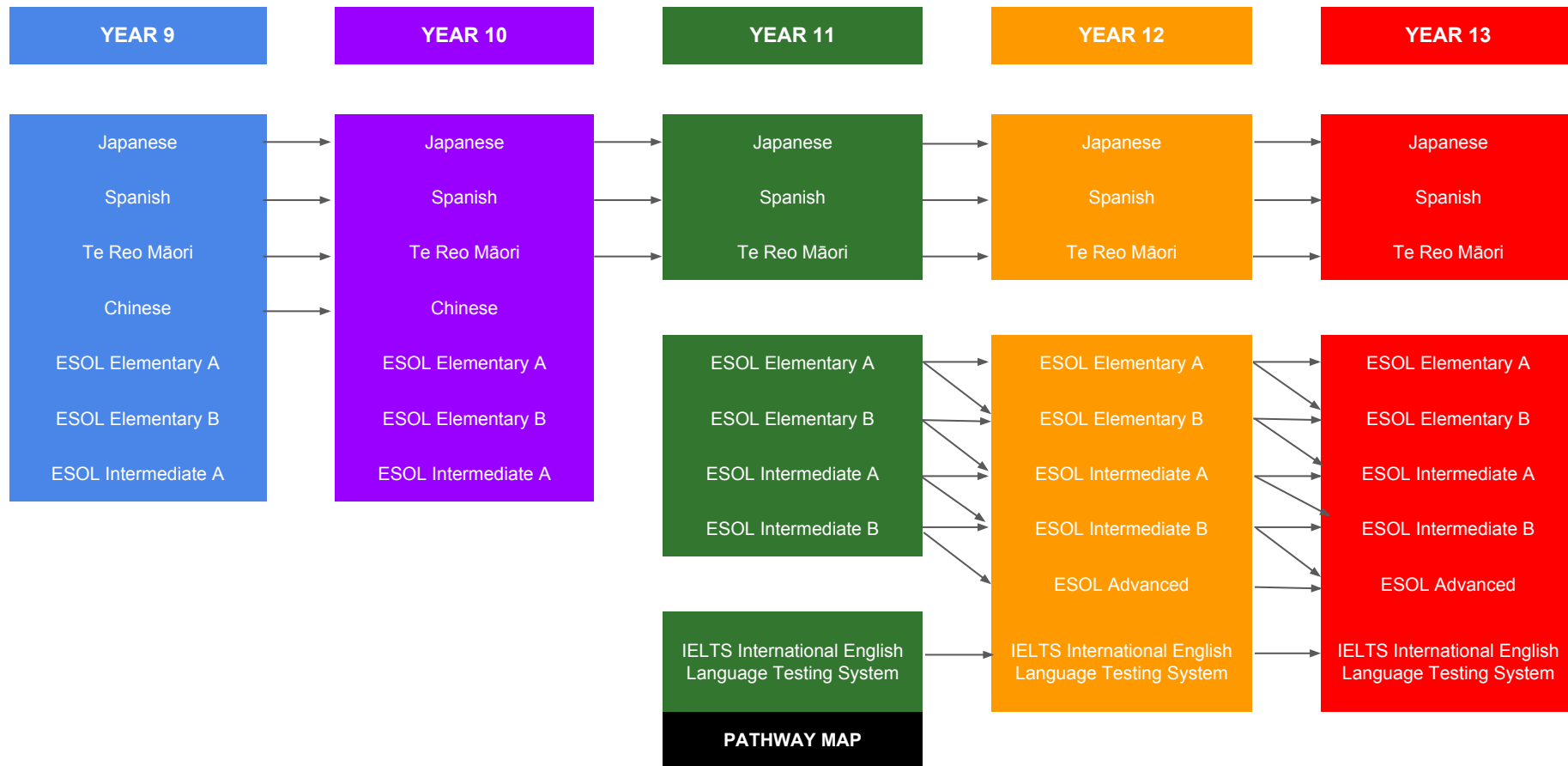
| INTERNAL | EXTERNAL | TOTAL | UE LITERACY READING | UE LITERACY WRITING | UNIVERSITY APPROVED |
|----------|----------|-------|------------------------|------------------------|------------------------|
| 16 | 4 | 20 | 10 | 4 | YES |

Prerequisites

12 credits at Level 2 Social Studies which must include A.S. 91281. All other students must get permission from the HoD.

| | | | | | |
|-----------|---|------------|-----|-------|------|
| EOTC DAYS | 0 | TRIP COSTS | NIL | COSTS | \$10 |
|-----------|---|------------|-----|-------|------|

LANGUAGES PATHWAYS MAP



L3 ESOL ELEMENTARY A

L3

Students do a range of activities which help them to communicate in English. As well as developing reading, writing, listening and speaking skills, the course gives students a foundation in basic grammar. The texts and activities in this class are different from those in Elementary B.

| INTERNAL | EXTERNAL | TOTAL | UE LITERACY READING | UE LITERACY WRITING | UNIVERSITY APPROVED |
|----------|----------|-------|------------------------|------------------------|------------------------|
| 0 | 0 | 0 | 0 | 0 | NO |

Prerequisites

This is a reception class. Students need to be prepared to receive instruction in English.

| | | | | | |
|-----------|---|------------|-----|-------|------|
| EOTC DAYS | 0 | TRIP COSTS | NIL | COSTS | \$55 |
|-----------|---|------------|-----|-------|------|

L3 ESOL ELEMENTARY B

L3

Students do a range of activities which help them to communicate in English. As well as developing reading, writing, listening and speaking skills, the course gives students a foundation in basic grammar. The texts and activities in this class are different from those in Elementary A.

| INTERNAL | EXTERNAL | TOTAL | UE LITERACY READING | UE LITERACY WRITING | UNIVERSITY APPROVED |
|----------|----------|-------|------------------------|------------------------|------------------------|
| 0 | 0 | 0 | 0 | 0 | NO |

Prerequisites

This is a reception class. Students need to be able to receive instruction in English.

| | | | | | |
|-----------|---|------------|-----|-------|------|
| EOTC DAYS | 0 | TRIP COSTS | NIL | COSTS | \$25 |
|-----------|---|------------|-----|-------|------|

L3 ESOL INTERMEDIATE A

L3

In this class students consolidate and develop their English reading, writing, listening and speaking skills. There is a strong emphasis on personal writing with the opportunity to hone grammatical skills. The course also includes some intermediate TOEFL and TOEIC activities.

| INTERNAL | EXTERNAL | TOTAL | UE LITERACY READING | UE LITERACY WRITING | UNIVERSITY APPROVED |
|----------|----------|-------|------------------------|------------------------|------------------------|
| 0 | 0 | 0 | 0 | 0 | NO |

Prerequisites

Students need to demonstrate that they are working at Intermediate level (Oxford Placement or equivalent).

| | | | | | |
|-----------|---|------------|-----|-------|------|
| EOTC DAYS | 0 | TRIP COSTS | NIL | COSTS | \$55 |
|-----------|---|------------|-----|-------|------|

L3 ESOL INTERMEDIATE B

L3

Students complete a range of Level 1 NCEA English achievement standards. This involves developing a reading portfolio on six texts, producing a piece of formal writing, making a powerpoint document showing film techniques in a visual text, and delivering a speech.

| INTERNAL | EXTERNAL | TOTAL | UE LITERACY READING | UE LITERACY WRITING | UNIVERSITY APPROVED |
|----------|----------|-------|------------------------|------------------------|------------------------|
| 0 | 0 | 0 | 0 | 0 | NO |

Prerequisites

Students need to demonstrate that they are working at Intermediate level (Oxford Placement or equivalent).

| | | | | | |
|-----------|---|------------|-----|-------|------|
| EOTC DAYS | 0 | TRIP COSTS | NIL | COSTS | \$25 |
|-----------|---|------------|-----|-------|------|

L3 ESOL ADVANCED

L3

This course prepares students for NCEA Level 2 English and provides them with literacy requirements for University Entrance. Students study 3 NCEA achievement standards, gaining credits in both reading and writing. Assessment is done using a portfolio style and involves personal research and reading as well as creative writing. The course involves a contextual approach to learning grammar, which enables students to develop their own personal grammar notes.

| INTERNAL | EXTERNAL | TOTAL | UE LITERACY READING | UE LITERACY WRITING | UNIVERSITY APPROVED |
|----------|----------|-------|------------------------|------------------------|------------------------|
| 0 | 0 | 0 | 0 | 0 | NO |

Prerequisites

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

A laptop computer is required.

| | | | | | |
|-----------|---|------------|-----|-------|------|
| EOTC DAYS | 0 | TRIP COSTS | NIL | COSTS | \$25 |
|-----------|---|------------|-----|-------|------|

L3 INTERNATIONAL ENGLISH LANGUAGE TESTING SYSTEM (IELTS)

L3

In IELTS students prepare for the Academic IELTS examination, an international English language test in reading, writing, listening and speaking. As well as preparing for the examination, students do a range of activities to improve their grammar, vocabulary and communication skills. This includes drama, a film study, work on Language Perfect and an independent research project. Students may sit the examination if they wish to prior to returning to their own home country.

| INTERNAL | EXTERNAL | TOTAL | UE LITERACY READING | UE LITERACY WRITING | UNIVERSITY APPROVED |
|----------|----------|-------|------------------------|------------------------|------------------------|
| 0 | 0 | 0 | 0 | 0 | NO |

Prerequisites

Students need to demonstrate that they are at least Upper Intermediate level (Oxford Placement test or equivalent).

| | | | | | |
|-----------|---|------------|-----|-------|------|
| EOTC DAYS | 0 | TRIP COSTS | NIL | COSTS | \$40 |
|-----------|---|------------|-----|-------|------|

L3 JAPANESE

L3

This course continues to extend and develop the ability to communicate in Japanese both orally and in writing. Topics covered in this course are: Geography, Tourism, Work in Japan and Famous People. Students have the opportunity to participate in a trip to an authentic Japanese restaurant and Japanese stores as an optional extra. There is the opportunity to participate in the proposed trip to Japan in 2018.

| INTERNAL | EXTERNAL | TOTAL | UE LITERACY READING | UE LITERACY WRITING | UNIVERSITY APPROVED |
|----------|----------|-------|------------------------|------------------------|------------------------|
| 8 | 10 | 18 | 0 | 0 | YES |

Prerequisites

At least 5 credits each from Internal and External assessments in Level 2 Japanese.

* Please note the field trip included in this course is advantageous for students, but alternative learning opportunities are provided (at no cost).

| | | | | | |
|-----------|-----|------------|-------|-------|------|
| EOTC DAYS | 0.5 | TRIP COSTS | \$28* | COSTS | \$40 |
|-----------|-----|------------|-------|-------|------|

L3 SPANISH

L3

This course develops the ability to interact, debate, and analyse texts in Spanish. It explores current events and global issues, preparing students to make the most of the growing demand for second language skills and intercultural capabilities. Students may take part in a university visit to explore career path options and enjoy a cultural outing and cooking a range of tapas. As they move between and respond to different languages and cultural practices students are challenged to consider their own identities and assumptions. There is the opportunity to participate in the proposed trip to Spain in 2018.

INTERNAL

10

EXTERNAL

10

TOTAL

20

UE LITERACY
READING

0

UE LITERACY
WRITING

0

UNIVERSITY
APPROVED

YES

Prerequisites

10 credits or more achieved in Level 2 Spanish or equivalent level of spoken and written Spanish.

* Please note the field trip included in this course is advantageous for students, but alternative learning opportunities are provided (at no cost).

EOTC DAYS

0.5

TRIP COSTS

\$47*

COSTS

\$35

L3 TE REO MĀORI

L3

This course will continue extending student's ability to communicate and deepen their understanding of Te Reo Māori and Māori culture. We will research an issue or event, persuade or give a point of view and continue on developing your creative writing style.

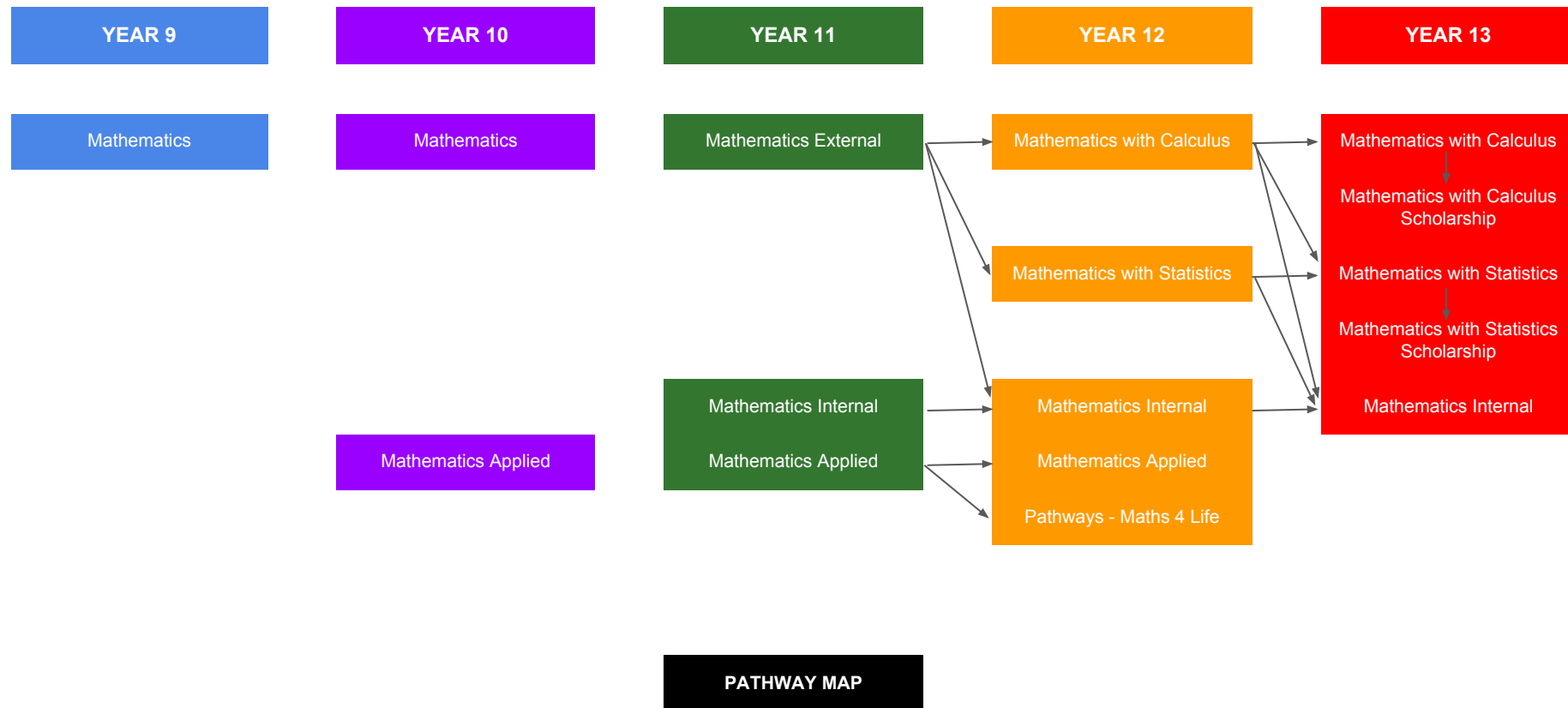
| INTERNAL | EXTERNAL | TOTAL | UE LITERACY READING | UE LITERACY WRITING | UNIVERSITY APPROVED |
|----------|----------|-------|------------------------|------------------------|------------------------|
| 12 | 6 | 18 | 6 | 12 | YES |

Prerequisites

50% of Level 2 internal credits and 50% of Level 2 external credits.

| | | | | | |
|-----------|---|------------|-----|-------|------|
| EOTC DAYS | 0 | TRIP COSTS | NIL | COSTS | \$25 |
|-----------|---|------------|-----|-------|------|

MATHEMATICS PATHWAYS MAP



L3 MATHEMATICS WITH CALCULUS

L3

This course is designed for the algebraically able. It covers differentiation and integration as well as introduces the mathematics of complex numbers, trigonometric modelling and proofs. (An extra 3 internal credits can be attained by optional standard.)

| INTERNAL | EXTERNAL | TOTAL | UE LITERACY READING | UE LITERACY WRITING | UNIVERSITY APPROVED |
|----------|----------|-------|------------------------|------------------------|------------------------|
| 4 | 17 | 21 | 0 | 0 | YES |

Prerequisites

18 credits in level 2 Calculus.

Merit in 91261 Algebra.

Merit in 91262 Calculus Or by HoD approval.

| | | | | | |
|-----------|---|------------|-----|-------|------|
| EOTC DAYS | 0 | TRIP COSTS | NIL | COSTS | \$40 |
|-----------|---|------------|-----|-------|------|

L3 MATHEMATICS WITH CALCULUS SCHOLARSHIP

L3

This course is targeted for our top Calculus students who have the potential to attain Excellence in their Level 3 Calculus Course. You will be considered for entry into Calculus Scholarship from this course. This course extends beyond the constraints of the Level 3 course and includes two further internal standards.

| INTERNAL | EXTERNAL | TOTAL | UE LITERACY READING | UE LITERACY WRITING | UNIVERSITY APPROVED |
|----------|----------|-------|------------------------|------------------------|------------------------|
| 6 | 0 | 6 | 0 | 0 | NO |

Prerequisites

Entry into 3MATC, Merit average in 2MATC and HoD approval.

| | | | | | |
|-----------|---|------------|-----|-------|------|
| EOTC DAYS | 0 | TRIP COSTS | NIL | COSTS | \$21 |
|-----------|---|------------|-----|-------|------|

L3 MATHEMATICS INTERNAL

L3

This is a university approved course with no external achievement standards. It includes standards from statistics and mathematics. You cannot gain a subject endorsement, but when you leave at the end of the year you will know if you have 14 credits required for the university subject of Mathematics.

| INTERNAL | EXTERNAL | TOTAL | UE LITERACY READING | UE LITERACY WRITING | UNIVERSITY APPROVED |
|----------|----------|-------|------------------------|------------------------|------------------------|
| 20 | 0 | 20 | 0 | 0 | YES |

Prerequisites

10 credits from 2MATC or 2MAT5

12 credits from 2MATI, including the external.

| | | | | | |
|-----------|---|------------|-----|-------|------|
| EOTC DAYS | 0 | TRIP COSTS | NIL | COSTS | \$37 |
|-----------|---|------------|-----|-------|------|

L3 MATHEMATICS WITH STATISTICS

L3

This course extends on from Year 12 work in statistical report writing, graphical, computational procedures, and probability. As Statistics is required as a part of many University degrees, this is a useful subject for many areas of future study.

| INTERNAL | EXTERNAL | TOTAL | UE LITERACY READING | UE LITERACY WRITING | UNIVERSITY APPROVED |
|----------|----------|-------|------------------------|------------------------|------------------------|
| 12 | 8 | 20 | 0 | 0 | YES |

Prerequisites

17 credits in 2MATS. Merit in 91267 Probability

OR

18 credits in 2MATC. Achieved in 91261.

| | | | | | |
|-----------|---|------------|-----|-------|------|
| EOTC DAYS | 0 | TRIP COSTS | NIL | COSTS | \$40 |
|-----------|---|------------|-----|-------|------|

L3 MATHEMATICS WITH STATISTICS SCHOLARSHIP

L3

This course will extend you beyond the 3MATS as well as offering a further internal and external achievement standards.

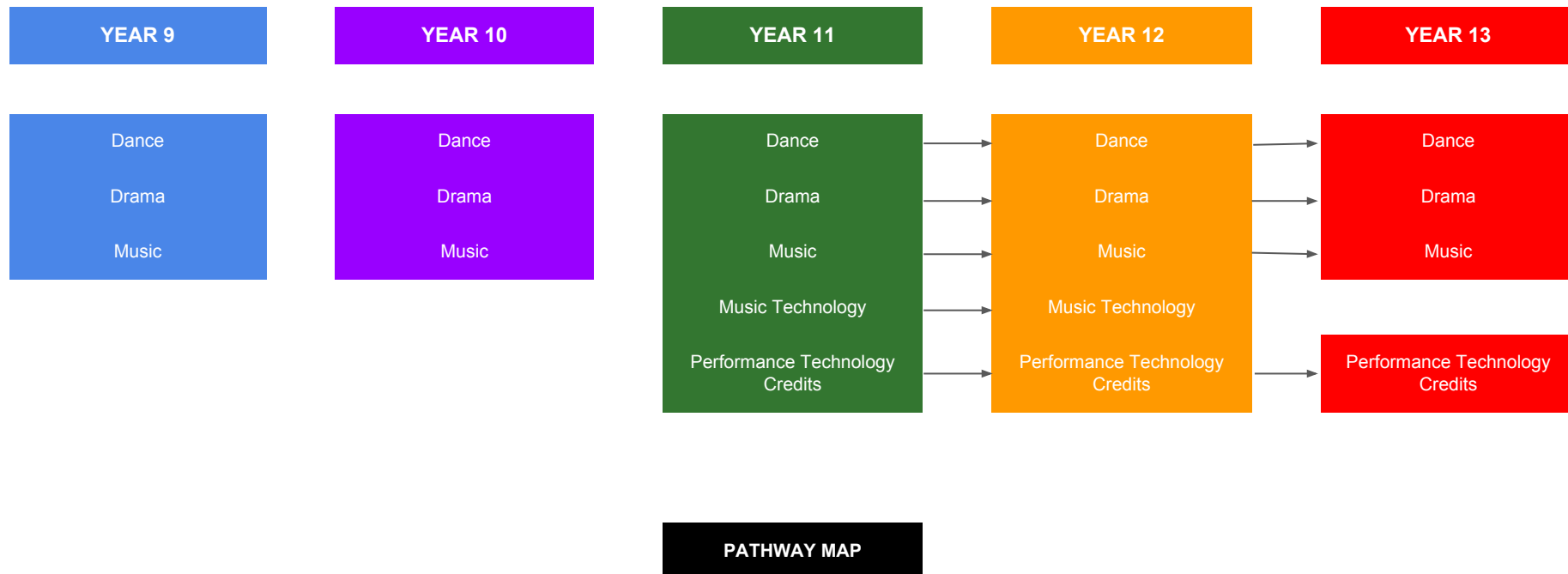
| INTERNAL | EXTERNAL | TOTAL | UE LITERACY READING | UE LITERACY WRITING | UNIVERSITY APPROVED |
|----------|----------|-------|------------------------|------------------------|------------------------|
| 4 | 4 | 8 | 0 | 0 | NO |

Prerequisites

Entry into 3MATS, Merit average in 2MATS and HoD approval.

| | | | | | |
|-----------|---|------------|-----|-------|------|
| EOTC DAYS | 0 | TRIP COSTS | NIL | COSTS | \$21 |
|-----------|---|------------|-----|-------|------|

PERFORMING ARTS PATHWAYS MAP



L3 DANCE - EXTERNAL

L3

This year is based on solo and group technical performances as well as a large choreographic project to create a dance for performance. Scholarship can be attained using your work for this project. There is an internal and external element to this course. You must sit external credits to qualify for Scholarship.

| INTERNAL | EXTERNAL | TOTAL | UE LITERACY READING | UE LITERACY WRITING | UNIVERSITY APPROVED |
|----------|----------|-------|------------------------|------------------------|------------------------|
| 16 | 4 | 20 | 0 | 4 | YES |

Prerequisites

All credits must be achieved at Level 2.

| | | | | | |
|-----------|---|------------|-----|-------|------|
| EOTC DAYS | 0 | TRIP COSTS | NIL | COSTS | \$30 |
|-----------|---|------------|-----|-------|------|

L3 DANCE - INTERNAL

L3

This year is based on solo and group technical performances as well as a large choreographic project to create a dance for performance. Scholarship can be attained using your work for this project. There is an internal and external element to this course. You must sit external credits to qualify for Scholarship.

| INTERNAL | EXTERNAL | TOTAL | UE LITERACY READING | UE LITERACY WRITING | UNIVERSITY APPROVED |
|----------|----------|-------|------------------------|------------------------|------------------------|
| 20 | 0 | 20 | 0 | 4 | YES |

Prerequisites

All credits must be achieved at Level 2.

| | | | | | |
|-----------|---|------------|-----|-------|------|
| EOTC DAYS | 0 | TRIP COSTS | NIL | COSTS | \$30 |
|-----------|---|------------|-----|-------|------|

L3 DRAMA

L3

Students will demonstrate knowledge of the effective application of acting and devising techniques both in class and in public performance. Students are offered the opportunity to complete a Drama Scholarship. All students must attend at least two professional performances.

| INTERNAL | EXTERNAL | TOTAL | UE LITERACY READING | UE LITERACY WRITING | UNIVERSITY APPROVED |
|----------|----------|-------|------------------------|------------------------|------------------------|
| 14 | 4 | 18 | 18 | 4 | YES |

Prerequisites

13 credits in Level 2 Drama including the external standard. Students have demonstrated a commitment to the performing arts, or by permission of the HoD.

* Please note the field trip included in this course is advantageous for students, but alternative learning opportunities are provided (at no cost).

| | | | | | |
|-----------|---|------------|-------|-------|-----|
| EOTC DAYS | 2 | TRIP COSTS | \$75* | COSTS | NIL |
|-----------|---|------------|-------|-------|-----|

L3 MUSIC

L3

You will perform solo and with a group and either compose or arrange music. You will study a chosen piece of music and have the option to do research (6 Reading credits*).

| INTERNAL | EXTERNAL | TOTAL | UE LITERACY READING | UE LITERACY WRITING | UNIVERSITY APPROVED |
|----------|----------|-------|------------------------|------------------------|------------------------|
| 16 | 4 | 20 | 0 ⁺ | 0 | YES |

Prerequisites

You must be able to play an instrument/sing and commit to lessons. 12 credits at Level 2 Music required.

| | | | | | |
|-----------|-----|------------|-----|-------|-----|
| EOTC DAYS | 0.5 | TRIP COSTS | NIL | COSTS | \$5 |
|-----------|-----|------------|-----|-------|-----|

L3 PERFORMANCE TECHNOLOGY CREDITS

L3

To create and rig a lighting design suitable for a Level 3 dance work 3.1 - to work closely with a choreographer, listen to their vision for the dance and create lighting to enhance the dance. Stage management can also be offered and completed during the school show.

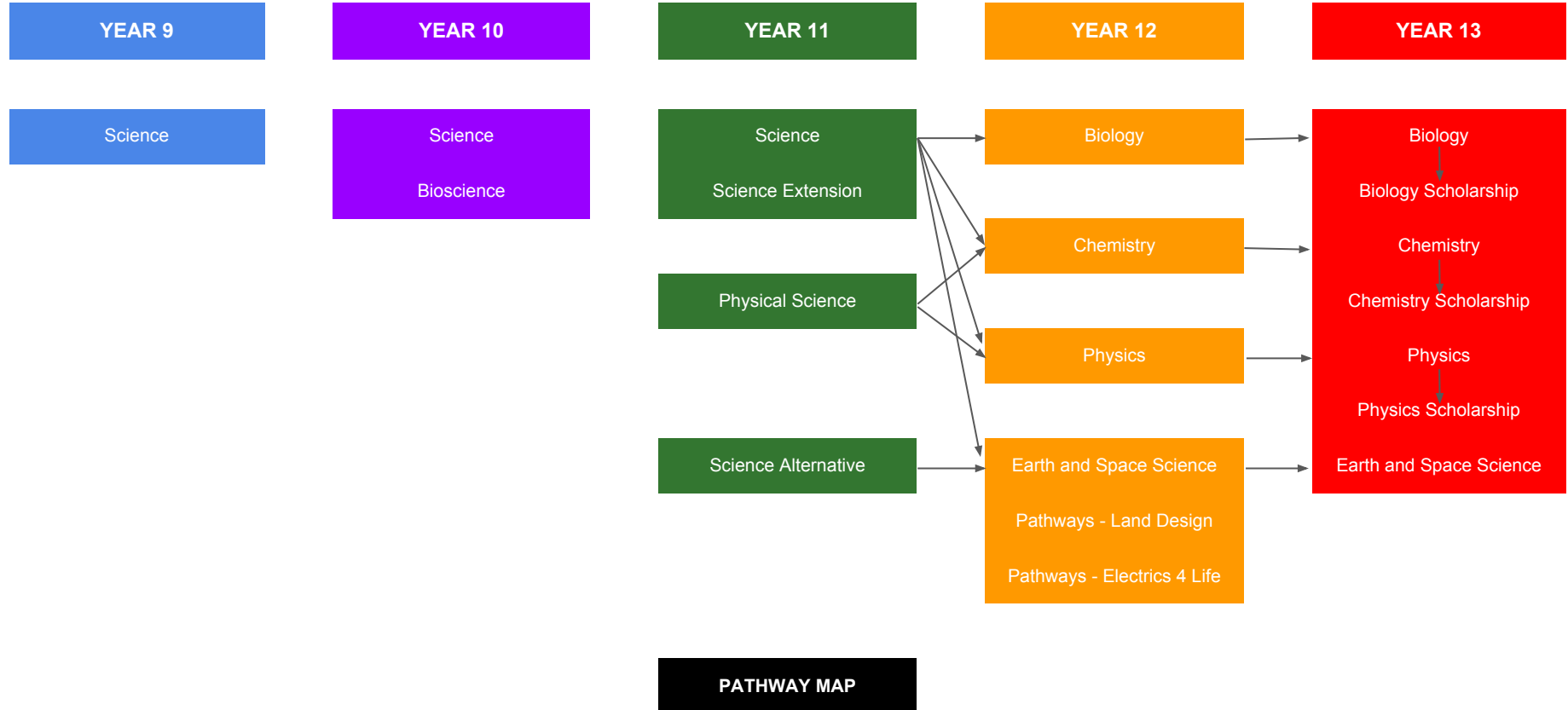
| INTERNAL | EXTERNAL | TOTAL | UE LITERACY READING | UE LITERACY WRITING | UNIVERSITY APPROVED |
|----------|----------|-------|------------------------|------------------------|------------------------|
| 12 | 0 | 12 | 0 | 0 | YES |

Prerequisites

To have competed Level 2 or by talking to the teacher in charge.

| | | | | | |
|-----------|---|------------|-----|-------|-----|
| EOTC DAYS | 0 | TRIP COSTS | NIL | COSTS | NIL |
|-----------|---|------------|-----|-------|-----|

SCIENCE PATHWAYS MAP



L3 BIOLOGY

L3

In this course you will carry out an individual practical investigation which focuses on the ecological niche of one organism. This will require planning, recording data, analysing and interpreting your findings. This is internally assessed. Other areas of study investigate trends in human evolution which is always of interest to students. You will also study the theories behind evolutionary change using NZ examples and how plants and animals respond to the living and physical environment around them. (There is an opportunity for students to do an extra 3 credit internal assessment, which involves researching a socio-scientific issue).

| INTERNAL | EXTERNAL | TOTAL | UE LITERACY READING | UE LITERACY WRITING | UNIVERSITY APPROVED |
|----------|----------|-------|------------------------|------------------------|------------------------|
| 4 | 13 | 17 | 13 | 13 | YES |

Prerequisites

Students must have attained credits in any TWO of the following L2 externally assessed achievement standards - 91156, 91157 and 91159.

| | | | | | |
|-----------|---|------------|-----|-------|------|
| EOTC DAYS | 0 | TRIP COSTS | NIL | COSTS | \$30 |
|-----------|---|------------|-----|-------|------|

L3 BIOLOGY SCHOLARSHIP

L3

This course is useful for students who are considering entering for Scholarship Biology and/or have a strong interest in Biology and wish to gain extra credits towards course endorsement. You will study three Level 3 Biology standards, which are all internally assessed. You will research a current socio-scientific issue of your choice, genetic manipulation by artificial selection and transgenesis, and also how the body maintains a stable internal environment. Students doing scholars' line biology will study genetic transfer which is internally assessed (3 credits).

| INTERNAL | EXTERNAL | TOTAL | UE LITERACY READING | UE LITERACY WRITING | UNIVERSITY APPROVED |
|----------|----------|-------|------------------------|------------------------|------------------------|
| 9 | 0 | 9 | 9 | 3 | YES |

Prerequisites

Students should be working at Merit or Excellence level at L2 Biology.

| | | | | | |
|-----------|---|------------|-----|-------|------|
| EOTC DAYS | 0 | TRIP COSTS | NIL | COSTS | \$12 |
|-----------|---|------------|-----|-------|------|

L3 CHEMISTRY

L3

In this course you will learn about oxidants and their opposite, reductants and how these are used in society. We will then cover Spectroscopy which is a range of techniques used to analyse chemicals in order to determine their exact make up. We then go into how particles bond and react as well as the trends of the periodic table. Finally we also look at Organic Chemistry learning about more functional groups and how they are named and react.

| INTERNAL | EXTERNAL | TOTAL | UE LITERACY READING | UE LITERACY WRITING | UNIVERSITY APPROVED |
|----------|----------|-------|------------------------|------------------------|------------------------|
| 6 | 10 | 16 | 0 | 0 | YES |

Prerequisites

You must get at least 10 Credits from Level 2 Chemistry.

| | | | | | |
|-----------|---|------------|-----|-------|------|
| EOTC DAYS | 0 | TRIP COSTS | NIL | COSTS | \$35 |
|-----------|---|------------|-----|-------|------|

L3 CHEMISTRY SCHOLARSHIP

L3

In this course you will learn about the Chemistry of reactions that occur in water, what happens when solids dissolve and a thorough look at how acids and bases work. We will also cover how Chemistry affects the natural world around us. To finish we focus on achieving Excellence in all three externals and, if applicable, achieving well in the Scholarship Chemistry examinations. Students doing the Chemistry scholars class will be enrolled for the remaining external standard which covers aspects of aqueous chemistry, this includes solubility and acid base chemistry. These students will also be given the opportunity to gain a deeper understanding of the concepts covered over the last 2 years of Chemistry.

| INTERNAL | EXTERNAL | TOTAL | UE LITERACY READING | UE LITERACY WRITING | UNIVERSITY APPROVED |
|----------|----------|-------|------------------------|------------------------|------------------------|
| 3 | 5 | 8 | 0 | 0 | YES |

Prerequisites

You must get at least 10 Credits from Level 2 Chemistry. Students should be working at Merit or Excellence level in Level 2.

| | | | | | |
|-----------|---|------------|-----|-------|-----|
| EOTC DAYS | 0 | TRIP COSTS | NIL | COSTS | NIL |
|-----------|---|------------|-----|-------|-----|

L3 EARTH AND SPACE SCIENCE

L3

This course carries on from L2 Earth and Space Science but is also suitable for students new to this area of Science. The internal standards include an investigation into local water quality, a socio-scientific issue (eg wind farms) and an investigation into an aspect of astronomy (eg space exploration). The external standard is about the atmosphere with an emphasis on New Zealand's weather systems. The course is very useful for students wanting to study environmental science at tertiary level.

| INTERNAL | EXTERNAL | TOTAL | UE LITERACY READING | UE LITERACY WRITING | UNIVERSITY APPROVED |
|----------|----------|-------|------------------------|------------------------|------------------------|
| 12 | 4 | 16 | 16 | 12 | YES |

Prerequisites

At least 8, credits in L2 Earth and Space Science, or have the prerequisite (from L1) to study either L2 Biology, Chemistry or Physics.

| | | | | | |
|-----------|---|------------|-----|-------|------|
| EOTC DAYS | 1 | TRIP COSTS | NIL | COSTS | \$50 |
|-----------|---|------------|-----|-------|------|

L3 PHYSICS

L3

Physics will help you to have a better understanding of the world around you and the technology that we all use on a daily basis. In L3 Physics you will study the following concepts: Movement (bungee jumper, rotation, gravity); Modern Physics (photoelectric effect, atomic spectra and nuclear physics); Electricity (including AC, the type of electricity that comes from a wall socket); Wave energy (speed cameras, music, interference). You will go to Rainbow's End theme park to enhance your understanding of the physics of free fall, vertical circles, collisions and simple harmonic motion.

INTERNAL

3

EXTERNAL

16

TOTAL

19

UE LITERACY
READING

0

UE LITERACY
WRITING

0

UNIVERSITY
APPROVED

YES

Prerequisites

At least 9 credits in L2 Physics.

* Please note the field trip included in this course is advantageous for students, but alternative learning opportunities are provided (at no cost).

EOTC DAYS

1

TRIP COSTS

\$55*

COSTS

\$25

L3 PHYSICS SCHOLARSHIP

L3

In this course you will have the opportunity develop your Physics knowledge and skills to a high level. The course will allow you to explore the uncertainty that is present in all measurements of physical quantities. You will carry out an extended investigation into a physical phenomenon. In the second half of the year you will have the chance to improve your understanding of all L3 Physics concepts and to prepare for the scholarship Physics examination. Students doing the Physics scholars class will be assessed on a practical Physics investigation (4 credits, internally assessed) as well as having the opportunity to improve their understanding of the Physics concepts assessed in the scholarship examination.

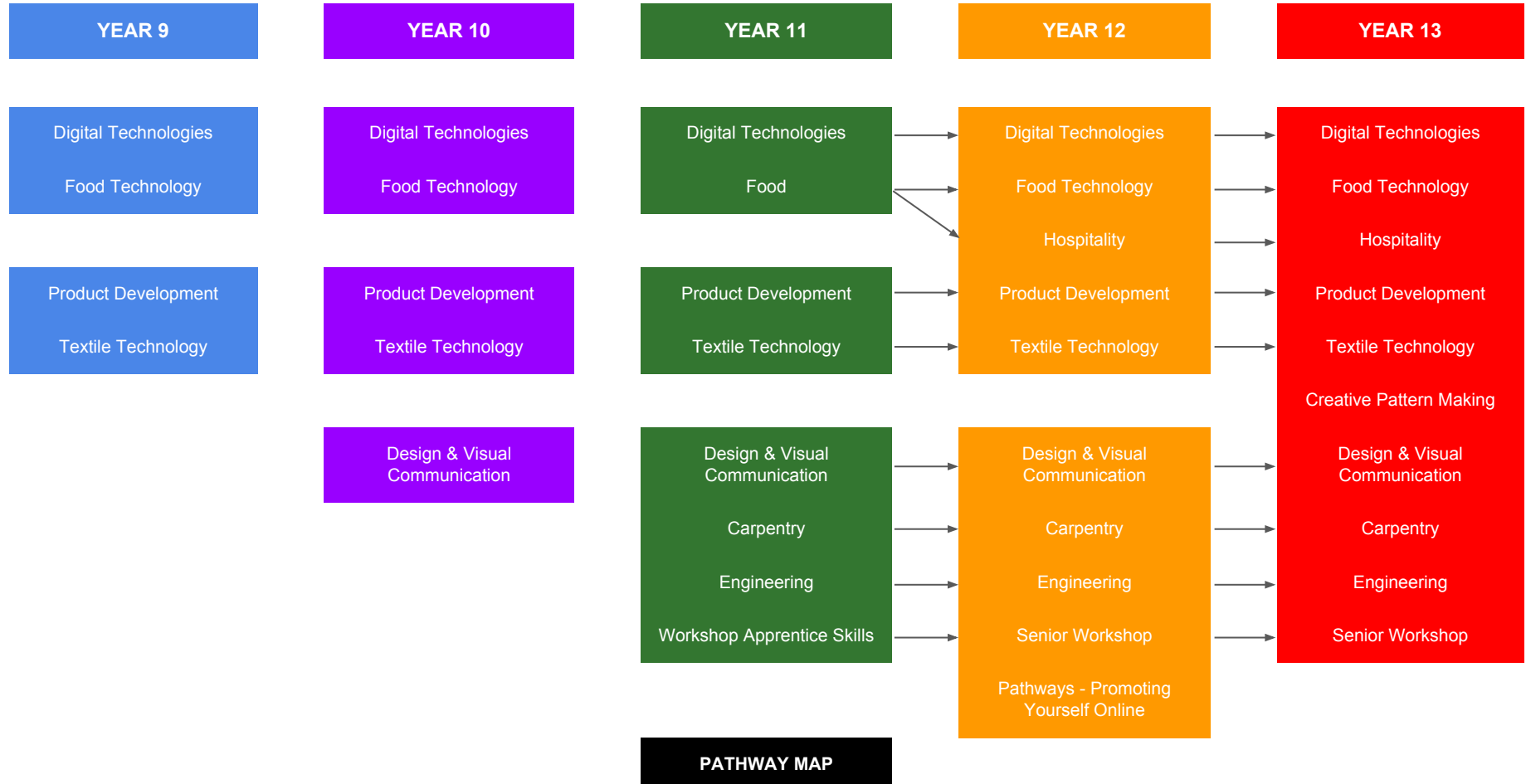
| INTERNAL | EXTERNAL | TOTAL | UE LITERACY READING | UE LITERACY WRITING | UNIVERSITY APPROVED |
|----------|----------|-------|------------------------|------------------------|------------------------|
| 4 | 0 | 4 | 0 | 0 | YES |

Prerequisites

Working at Merit or Excellence level in all L2 Physics achievement standards, or at HoD discretion.

| | | | | | |
|-----------|---|------------|-----|-------|-----|
| EOTC DAYS | 0 | TRIP COSTS | NIL | COSTS | NIL |
|-----------|---|------------|-----|-------|-----|

TECHNOLOGY PATHWAYS MAP



L3 CARPENTRY

L3

This course has been developed for the Building Construction Industry Training Organisation (BCITO), approved and moderated by bconstructive and is dovetailed into the industry apprenticeships. This course is focused on fixed woodworking, machines, building on from Level 1 and 2.

| INTERNAL | EXTERNAL | TOTAL | UE LITERACY READING | UE LITERACY WRITING | UNIVERSITY APPROVED |
|----------|----------|-------|------------------------|------------------------|------------------------|
| 18 | 0 | 18 | 0 | 0 | NO |

Prerequisites

None, however, this course can and will be tailored for each student, as students will only be entered for a standard if and when ready.

| | | | | | |
|-----------|---|------------|-----|-------|-----|
| EOTC DAYS | 0 | TRIP COSTS | NIL | COSTS | NIL |
|-----------|---|------------|-----|-------|-----|

L3 CREATIVE PATTERN MAKING

L3

This course introduces you to pattern making. You will make and adapt patterns for a T-Shirt and a pair of trousers. Learning industrial techniques for the practical sewing. You will then make a garment of your own choice using special fabric. This course will take you from a beginner to a confident user of the technology available in the room, making individual patterns through to using the domestic and industrial machines and overlockers. You will be required to provide some of the materials for the assignments. The standards used are a combination of Achievement and Unit standards.

| INTERNAL | EXTERNAL | TOTAL | UE LITERACY READING | UE LITERACY WRITING | UNIVERSITY APPROVED |
|----------|----------|-------|------------------------|------------------------|------------------------|
| 18 | 0 | 18 | 0 | 0 | NO |

Prerequisites

Must have a positive record in Health & Safety in Technology.

| | | | | | |
|-----------|---|------------|-----|-------|------|
| EOTC DAYS | 0 | TRIP COSTS | NIL | COSTS | \$55 |
|-----------|---|------------|-----|-------|------|

L3 DESIGN & VISUAL COMMUNICATION

L3

In this course you will select a local location to regenerate a spatial or product solution, resolved through a design process. You will learn new ways to generate original and creative ideas extending your designer toolkit. The project involves in-depth research & development of ideas, with an exhibition of the final design. The exhibition will challenge student to collate their range of skills gained over the last couple years of learning.

| INTERNAL | EXTERNAL | TOTAL | UE LITERACY READING | UE LITERACY WRITING | UNIVERSITY APPROVED |
|----------|----------|-------|------------------------|------------------------|------------------------|
| 12 | 4 | 16 | 0 | 0 | YES |

Prerequisites

Level 2 Standards 91337 Visual Communication & 91341/91342 Spatial/Product Design.

For the exhibition standard students will have to work within their personal budget.

The trip out to an urban design outcome will be a cost of approximately \$15.

| | | | | | |
|-----------|---|------------|-------|-------|------|
| EOTC DAYS | 1 | TRIP COSTS | \$15* | COSTS | \$40 |
|-----------|---|------------|-------|-------|------|

L3 DIGITAL TECHNOLOGIES

L3

Combining programming, web design and databases this course builds on what you have learnt in the past two years, preparing you for any 100 level computer science paper at University or Polytechnic. Accelerated students who have completed Level 3 already will develop projects in conjunction with real clients, businesses and university competitions.

| INTERNAL | EXTERNAL | TOTAL | UE LITERACY READING | UE LITERACY WRITING | UNIVERSITY APPROVED |
|----------|----------|-------|------------------------|------------------------|------------------------|
| 16 | 4 | 20 | 0 | 0 | YES |

Prerequisites

Laptop. 12 credits at Level 2 Digital Technologies.

| | | | | | |
|-----------|---|------------|-----|-------|-----|
| EOTC DAYS | 0 | TRIP COSTS | NIL | COSTS | NIL |
|-----------|---|------------|-----|-------|-----|

L3 ENGINEERING

L3

This course is a combination of unit standards and achievement standards and is geared to developing students to further education courses and covers important areas of CAD – Computer Aided Draughting and complex manufacturing techniques.

| INTERNAL | EXTERNAL | TOTAL | UE LITERACY READING | UE LITERACY WRITING | UNIVERSITY APPROVED |
|----------|----------|-------|------------------------|------------------------|------------------------|
| 15 | 0 | 15 | 0 | 0 | NO |

Prerequisites

14 credits from Level 2 Engineering course.

| | | | | | |
|-----------|---|------------|-----|-------|-----|
| EOTC DAYS | 0 | TRIP COSTS | NIL | COSTS | NIL |
|-----------|---|------------|-----|-------|-----|

L3 FOOD TECHNOLOGY

L3

Food Technology focusses on the development of food products to meet the needs of consumers. This course builds on the L2 Food Technology course and offers university approved credits. Students will research, design and develop food products for a brief given by an external client.

| INTERNAL | EXTERNAL | TOTAL | UE LITERACY READING | UE LITERACY WRITING | UNIVERSITY APPROVED |
|----------|----------|-------|------------------------|------------------------|------------------------|
| 12 | 4 | 16 | 0 | 4 | YES |

Prerequisites

Completion of Level 2 Food Technology, with a minimum of 14 credits and a clear safety record. There is also an optional standard worth 6 credits.

Important Note: If you are taking more than one Technology subject, eg Food, Textiles and Product Development, you need to speak to your teacher. Some achievement standards are taught in all 3 subjects and you can only be awarded the credits once.

| | | | | | |
|-----------|---|------------|-----|-------|-------|
| EOTC DAYS | 0 | TRIP COSTS | NIL | COSTS | \$140 |
|-----------|---|------------|-----|-------|-------|

L3 HOSPITALITY

L3

This course is designed for students who have completed the Level 2 course and have successfully achieved the standards taught in Level 2. Unit Standard 167 (Food Safety) is a prerequisite. Students will assist in the catering for different occasions at school.

| INTERNAL | EXTERNAL | TOTAL | UE LITERACY READING | UE LITERACY WRITING | UNIVERSITY APPROVED |
|----------|----------|-------|------------------------|------------------------|------------------------|
| 19 | 0 | 19 | 0 | 0 | NO |

Prerequisites

Level 2 Catering or Food Technology with a minimum of 12 credits.

| | | | | | |
|-----------|---|------------|-----|-------|-------|
| EOTC DAYS | 0 | TRIP COSTS | NIL | COSTS | \$140 |
|-----------|---|------------|-----|-------|-------|

L3 PRODUCT DEVELOPMENT

L3

You are required to source a real client and produce an innovative product (e.g. furniture, sporting equipment, movie props, product design - limitless possibilities!) within an Eco-Business Model. The course is 60% theory, 40% practical and leads on to Design or Engineering at Tertiary level. This is an ideal subject for students wanting to produce work for a portfolio, in a creative industry.

| INTERNAL | EXTERNAL | TOTAL | UE LITERACY READING | UE LITERACY WRITING | UNIVERSITY APPROVED |
|----------|----------|-------|------------------------|------------------------|------------------------|
| 16 | 4 | 20 | 0 | 4 | YES |

Prerequisites

This course is a direct follow on from L2, therefore students must have completed the L2 Design Technology or DVC (Graphics) course, having gained at least 75% of the Achievement Standards offered.

| | | | | | |
|-----------|---|------------|-----|-------|-------|
| EOTC DAYS | 0 | TRIP COSTS | NIL | COSTS | \$125 |
|-----------|---|------------|-----|-------|-------|

L3 SENIOR WORKSHOP

L3

* THIS COURSE PROVIDES ONLY LEVEL 2 CREDITS. This can be a follow-on course for Level 2 Workshop as the projects will be different.

| INTERNAL | EXTERNAL | TOTAL | UE LITERACY READING | UE LITERACY WRITING | UNIVERSITY APPROVED |
|----------|----------|-------|------------------------|------------------------|------------------------|
| 12* | 0 | 12* | 0 | 0 | NO |

Prerequisites

Students need to have a clear safety record from previous years. The course can be and will be tailored for each student, as students will only be entered for a standard if and when they are ready.

In order to gain 5 credits, students must attend a full day STAR course with an external provider.

| | | | | | |
|-----------|---|------------|-----|-------|------|
| EOTC DAYS | 1 | TRIP COSTS | NIL | COSTS | \$60 |
|-----------|---|------------|-----|-------|------|

L3 TEXTILE TECHNOLOGY

L3

Students continue to build on previous year's work. We will complete two major units, the first being a lined garment using complex techniques and in the second unit we explore and use Applied Design.

| INTERNAL | EXTERNAL | TOTAL | UE LITERACY READING | UE LITERACY WRITING | UNIVERSITY APPROVED |
|----------|----------|-------|------------------------|------------------------|------------------------|
| 16 | 0 | 16 | 0 | 0 | YES |

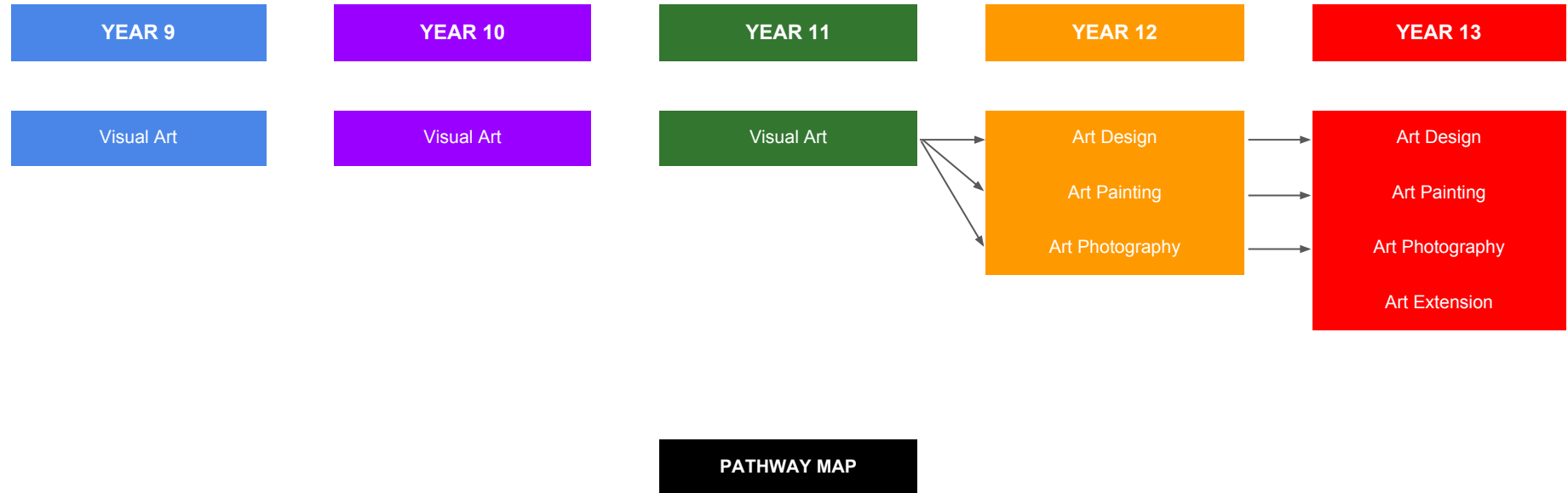
Prerequisites

14 credits from Level 2 Textile Technology or in consultation with the TiC.

Important Note: If you are taking more than one Technology subject, eg Food, Textiles and Product Development, you need to speak to your teacher. Some achievement standards are taught in all 3 subjects and you can only be awarded the credits once.

| | | | | | |
|-----------|---|------------|-----|-------|------|
| EOTC DAYS | 0 | TRIP COSTS | NIL | COSTS | \$30 |
|-----------|---|------------|-----|-------|------|

VISUAL ART PATHWAYS MAP



L3 ART DESIGN

L3

This requires the production of a 3 panel folio of work (A1), which is submitted for external assessment at the end of the year. The work on the Folio must demonstrate an intensive investigation of a well-defined business plan. Craft and skill level must be of high quality. This course focuses on three-dimensional design, (package design) and two-dimensional design (design for print media such as logos and posters and web layout).

| INTERNAL | EXTERNAL | TOTAL | UE LITERACY READING | UE LITERACY WRITING | UNIVERSITY APPROVED |
|----------|----------|-------|------------------------|------------------------|------------------------|
| 8 | 14 | 22 | 0 | 0 | YES |

Prerequisites

12 credits minimum at Level 2. Those without prerequisites apply in writing to the HoD explaining why they want to do Design, with a copy of their last report.

(Costs include an art kit of individual items, plus items that will be shared in the class in order to keep costs down. These shared items will be available over the year as required).

| | | | | | |
|-----------|---|------------|-----|-------|-------|
| EOTC DAYS | 0 | TRIP COSTS | NIL | COSTS | \$100 |
|-----------|---|------------|-----|-------|-------|

L3 ART PAINTING

L3

This requires the production of a 3 panel folio of work (A1), which is submitted for external assessment at the end of the year. The work on the Folio must demonstrate an intensive investigation of a well-defined personal theme. Craft and skill level must be of high quality. Media include drawing in pencil, pen, crayon with full paint, stencil, collage and spray paint.

| INTERNAL | EXTERNAL | TOTAL | UE LITERACY READING | UE LITERACY WRITING | UNIVERSITY APPROVED |
|----------|----------|-------|------------------------|------------------------|------------------------|
| 8 | 14 | 22 | 0 | 0 | YES |

Prerequisites

12 credits minimum at Level 2. Those without prerequisites apply in writing to the HoD explaining why they want to do Painting, with a copy of their last report.

(Costs include an art kit of individual items, plus items that will be shared in the class in order to keep costs down. These shared items will be available over the year as required).

| | | | | | |
|-----------|---|------------|-----|-------|-------|
| EOTC DAYS | 0 | TRIP COSTS | NIL | COSTS | \$110 |
|-----------|---|------------|-----|-------|-------|

L3 ART PHOTOGRAPHY

L3

Students produce a 3 A1 panel folio submitted for external examination at the end of the year. The work on the folio must demonstrate an intensive investigation of a well-defined theme. Printing and presentation technique must be of a high quality. Essentially the course covers; the use of the 35mm SLR camera, black and white developing and printing, darkroom procedures, presentation techniques, the use of digital cameras and Photoshop to enhance imagery.

| INTERNAL | EXTERNAL | TOTAL | UE LITERACY READING | UE LITERACY WRITING | UNIVERSITY APPROVED |
|----------|----------|-------|------------------------|------------------------|------------------------|
| 8 | 14 | 22 | 0 | 0 | YES |

Prerequisites

12 credits minimum at Level 2. Those without prerequisites apply in writing to the HoD explaining why they want to do Photography, with a copy of their last report.

(Costs include an art kit of individual items, plus items that will be shared in the class in order to keep costs down. These shared items will be available over the year as required).

| | | | | | |
|-----------|---|------------|-----|-------|-------|
| EOTC DAYS | 0 | TRIP COSTS | NIL | COSTS | \$173 |
|-----------|---|------------|-----|-------|-------|

L3 ART EXTENSION

L3

This course is a directed tutorial for design, painting and photography students that are doing more than one Visual Art.

| INTERNAL | EXTERNAL | TOTAL | UE LITERACY READING | UE LITERACY WRITING | UNIVERSITY APPROVED |
|----------|----------|-------|------------------------|------------------------|------------------------|
| 0 | 0 | 0 | 0 | 0 | NO |

Prerequisites

These students will be enrolled in more than one Visual Art at L3 or need to apply to the HoD in writing explaining why they wish to join.

| | | | | | |
|-----------|---|------------|-----|-------|-----|
| EOTC DAYS | 0 | TRIP COSTS | NIL | COSTS | NIL |
|-----------|---|------------|-----|-------|-----|