



# Darfield High School



Year 13  
Level 3  
2019



# Use this simple formula to help you choose your course:

## Occupation

You may not know what work you would like to do: this is not unusual. If you do know, or you do have some ideas about what you might like to do, you can find out what subjects possible careers need. Our Careers Advisor is there to help you think this through.

## Interest

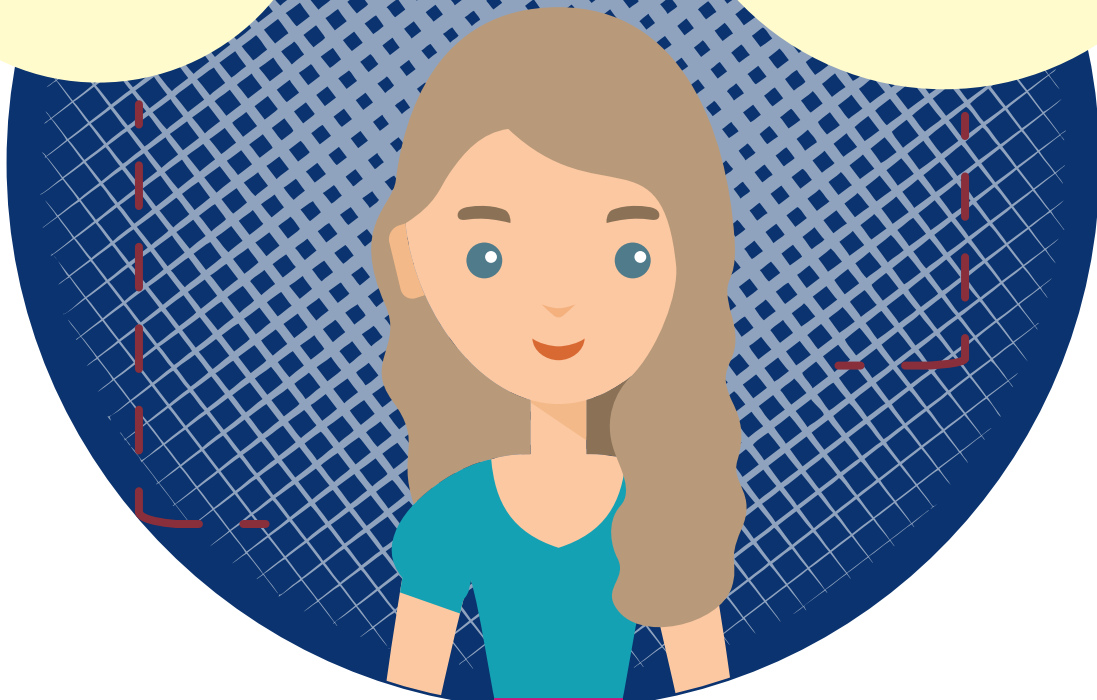
Add to your ability your interest, that is, what you enjoy doing. Reasons for enjoyment might be the subject, the work, your success at both, the teacher...

## Interest

Go through the subjects listed and consider the possibilities. Mark each possibility and investigate thoroughly the subjects you have marked.

## Ability

How good are you at a subject? How readily do you understand it? Your assessment marks and your work will help you estimate your ability. Discuss your ability with your teacher. You might have an incorrect idea of how well you can do something. Be careful not to underrate your ability.



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## School Curriculum

The curriculum offered at Darfield High School enables every student to participate in the eight Learning Areas of the New Zealand Curriculum, in order to gain the knowledge and understanding needed for a broad and balanced education. They provide the context within which knowledge, skills, attitudes, and values are developed.

Subject combinations are arranged to suit the majority of students. Courses will run provided that there are sufficient students to form a class, that staffing is available, and that the requested combination of classes can be timetabled. **If a class size is too small to timetable, it may be possible for the student to be enrolled with the Virtual Learning Network.** (See page 19).

National Certificates, National Examinations, and NCEA are available at Years 11, 12 and 13.

Acceleration of the very able is a possibility and extension is encouraged in all subjects.

ESOL classes are offered at each year level to students whose first language is not English.

## YEAR 13

### ENTRY TO ALL COURSES IS BY APPLICATION

The following factors will be taken into account when applications are processed:

- **Course prerequisites.**
- **Applicant's academic record.**
- **Class capacity.**
- **Applicant's work and study, and self-management record.**

### CLASS CAPACITY

Where there are more applications for places in a class than there are places available, students will receive preference who meet the course pre-requisites, have a strong achievement record in the subject, have a sound work and study record, and have a sound self-management record.

### APPLICANT'S WORK, STUDY, AND SELF-MANAGEMENT RECORD

If an applicant's record of achievement, application, and attitude in a subject in the past has been poor, and if that applicant's being permitted entry to a limited entry course were to mean the exclusion of a student with a more positive record, then the applicant with the poorer record is unlikely to gain entry to the subject.

Entry to all courses is confirmed at the beginning of the next School year.

At Darfield High School, there is a general rule that students whose NCEA Level 2 grades in a subject are Achieved or better will normally do a full Year 13 Course.

Students who do not meet this standard will need to discuss their options with their Dean. The possible results will be:

- *a full Year 13 Course or*
- *a full Year 12 Course or*
- *a multilevel Course*
- 

### DISCRETIONARY ENTRY

Applications are considered by the Curriculum Manager, the Dean of Level, and either the Head of Department or the Teacher with Responsibility for the Subject.

Entry to all courses is confirmed at the beginning of the next school year.

### SELECTING YOUR COURSE

The range of subjects from which Year 13 students can choose is wide. All courses are approved by the New Zealand Qualifications Authority and give students the opportunity to continue to study subjects that interest them, and to continue receiving a well-balanced education.

### QUALIFICATIONS THE FOLLOWING QUALIFICATIONS ARE AVAILABLE

#### NCEA LEVEL THREE

To be awarded NCEA Level Three, a student must achieve 80 credits, 60 of which must be from Level Three standards. While there are no literacy or numeracy requirements for NCEA Level Three, any students intending to enter University will need to familiarise themselves with the literacy and numeracy requirements for University Entrance.

#### UNIVERSITY ENTRANCE

You qualify for entrance to a university in New Zealand if you have obtained:

- *NCEA Level Three.*
- *14 Credits at Level Three or higher in each of three approved subjects.*
- *10 Credits in Mathematics at Level One or higher.*
- *5 Credits at Level Two or above in Reading.*
- *5 Credits at Level Two or above in Writing.*

### NZ SCHOLARSHIP

- *Students in a secondary school have the opportunity to win a NZ Scholarship.*
- *Scholarship is a monetary award to recognise top students. It neither attracts credits nor contributes towards a qualification, but the fact that a student has gained a Scholarship will appear on their Record of Learning.*
- *The content assessed for Scholarship will be the same as that covered for Level 3 Achievement Standards.*
- *Scholarship will enable students to be assessed against challenging standards and will be demanding for the most able students in each subject. Scholarship students will again be expected to demonstrate high-level critical thinking, abstraction and generalisation, and to integrate, synthesise and apply knowledge, skills, understanding and ideas to complex situations.*

### SCHOLARSHIP SUBJECTS

Accounting	Classical Studies	Drama
Economics	English	French
Chinese	Japanese	Latin
Te Reo Maori	Spanish	Geography
German	Design and Visual Communication	History
Media Studies	Music Studies	Physical Education
Mathematics with Calculus	Statistics and Modelling	Science
Biology	Chemistry	Physics
Art History	Visual Arts	

### SCHOLARSHIP AWARDS

Scholarship Awards recognise excellence for secondary school students.

### THE SCHOLARSHIP AWARDS ARE

#### SINGLE SUBJECT AWARDS

One or two Scholarships.

A one-off award of \$500 per subject.

#### TOP SUBJECT SCHOLAR AWARD

For candidates who are top in one of the 27 Scholarship subjects.

\$2,000 each year for three years as long as candidates maintain a B grade average in tertiary study.

#### SCHOLARSHIP AWARD

For candidates who gain three more Scholarships subjects.

\$2,000 each year for three years as long as candidates maintain a B grade average in tertiary study.

#### OUTSTANDING SCHOLAR AWARD

For the top 40–60 candidates who gain a minimum of three Scholarships with at least two at Outstanding level, or more than three Scholarships with at least one at Outstanding level.

\$5,000 each year for three years as long as candidates maintain a B grade average in tertiary studies.

#### PREMIER AWARD

For the very top five to 10 candidates who gain at least three Scholarships at Outstanding level.

\$10,000 each year for three years as long as candidates maintain at least a B grade average in tertiary studies.

For further information, see Mrs Morgan.

### COMPULSORY ELEMENTS

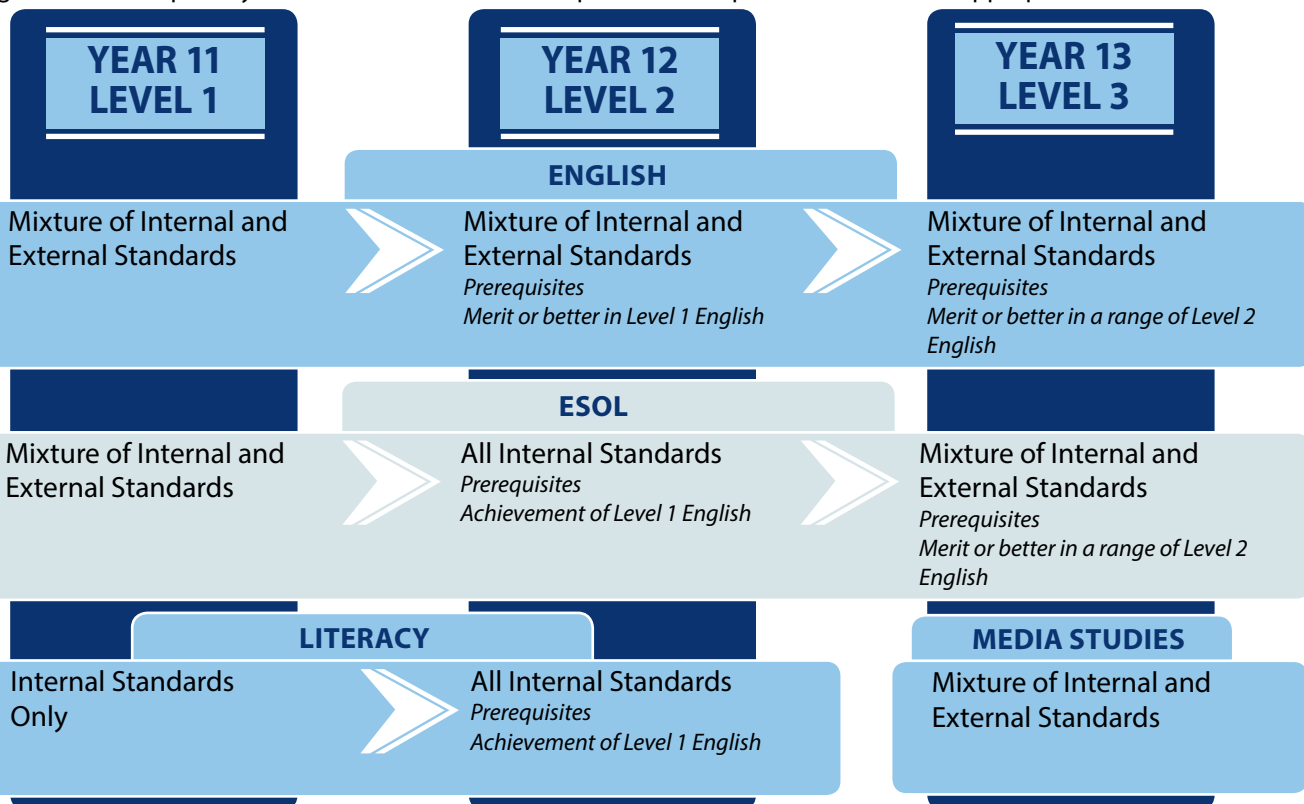
All students must attend the compulsory programmes in Health.

# Senior School Curriculum

ESSENTIAL LEARNING AREAS	YEAR 11 NCEA LEVEL 1	YEAR 12 NCEA LEVEL 2	YEAR 13 NCEA LEVEL 3
<b>ENGLISH</b>	<ul style="list-style-type: none"> <li>English</li> <li>ESOL</li> </ul>	<ul style="list-style-type: none"> <li>English</li> <li>Media Studies</li> <li>ESOL</li> </ul>	<ul style="list-style-type: none"> <li>English</li> <li>Media Studies</li> <li>ESOL</li> </ul>
<b>MATHEMATICS</b>	<ul style="list-style-type: none"> <li>Mathematics</li> </ul>	<ul style="list-style-type: none"> <li>Mathematics</li> </ul>	<ul style="list-style-type: none"> <li>Mathematics with Calculus</li> <li>Mathematics with Statistics</li> </ul>
<b>SCIENCES</b>	<ul style="list-style-type: none"> <li>Rural College</li> <li>Agricultural Science</li> <li>Science</li> </ul>	<ul style="list-style-type: none"> <li>Rural College</li> <li>Biology</li> <li>Chemistry</li> <li>Physics</li> <li>General Science</li> </ul>	<ul style="list-style-type: none"> <li>Rural College</li> <li>Biology</li> <li>Chemistry</li> <li>Physics</li> <li>General Science</li> </ul>
<b>SOCIAL SCIENCES</b>	<ul style="list-style-type: none"> <li>Economics</li> <li>Geography</li> <li>History</li> <li>Commerce</li> <li>Accounting (Course Offered in 2019)</li> </ul>	<ul style="list-style-type: none"> <li>Economics</li> <li>Geography</li> <li>History</li> <li>Commerce</li> </ul>	<ul style="list-style-type: none"> <li>Economics</li> <li>Geography</li> <li>History</li> <li>Business Studies</li> <li>Classical Studies</li> </ul>
<b>THE ARTS</b>	<ul style="list-style-type: none"> <li>Drama</li> <li>Music</li> <li>Visual Art</li> </ul>	<ul style="list-style-type: none"> <li>Drama</li> <li>Music</li> <li>Visual Art (Painting, Sculpture and Printmaking)</li> </ul>	<ul style="list-style-type: none"> <li>Drama</li> <li>Music</li> <li>Visual Art (Painting, Sculpture and Printmaking)</li> </ul>
<b>LANGUAGES</b>	<ul style="list-style-type: none"> <li>French</li> <li>Japanese</li> </ul>	<ul style="list-style-type: none"> <li>French</li> <li>Japanese</li> </ul>	<ul style="list-style-type: none"> <li>French</li> <li>Japanese</li> </ul>
<b>THE TECHNOLOGIES</b>	<ul style="list-style-type: none"> <li>Engineering/Construction Mechanical Technology</li> <li>Design and Visual Communication</li> <li>Digital Technologies</li> <li>Home Economics/Hospitality</li> <li>Soft Materials</li> <li>Furniture Making</li> </ul>	<ul style="list-style-type: none"> <li>Engineering/Construction Mechanical Technology</li> <li>Design and Visual Communication</li> <li>Digital Technologies</li> <li>Food and Nutrition Technology</li> <li>Soft Materials</li> <li>Furniture Making</li> <li>Computer Programming</li> </ul>	<ul style="list-style-type: none"> <li>Engineering/Construction Mechanical Technology</li> <li>Design and Visual Communication</li> <li>Digital Technologies</li> <li>Food and Nutrition Technology</li> <li>Computer Programming</li> </ul>
<b>PHYSICAL WELL-BEING</b>	<ul style="list-style-type: none"> <li>Physical Education</li> <li>Outdoor Education</li> <li>Health</li> </ul>	<ul style="list-style-type: none"> <li>Physical Education</li> <li>Outdoor Education</li> <li>Health</li> </ul>	<ul style="list-style-type: none"> <li>Physical Education</li> <li>Outdoor Education</li> <li>Health</li> </ul>

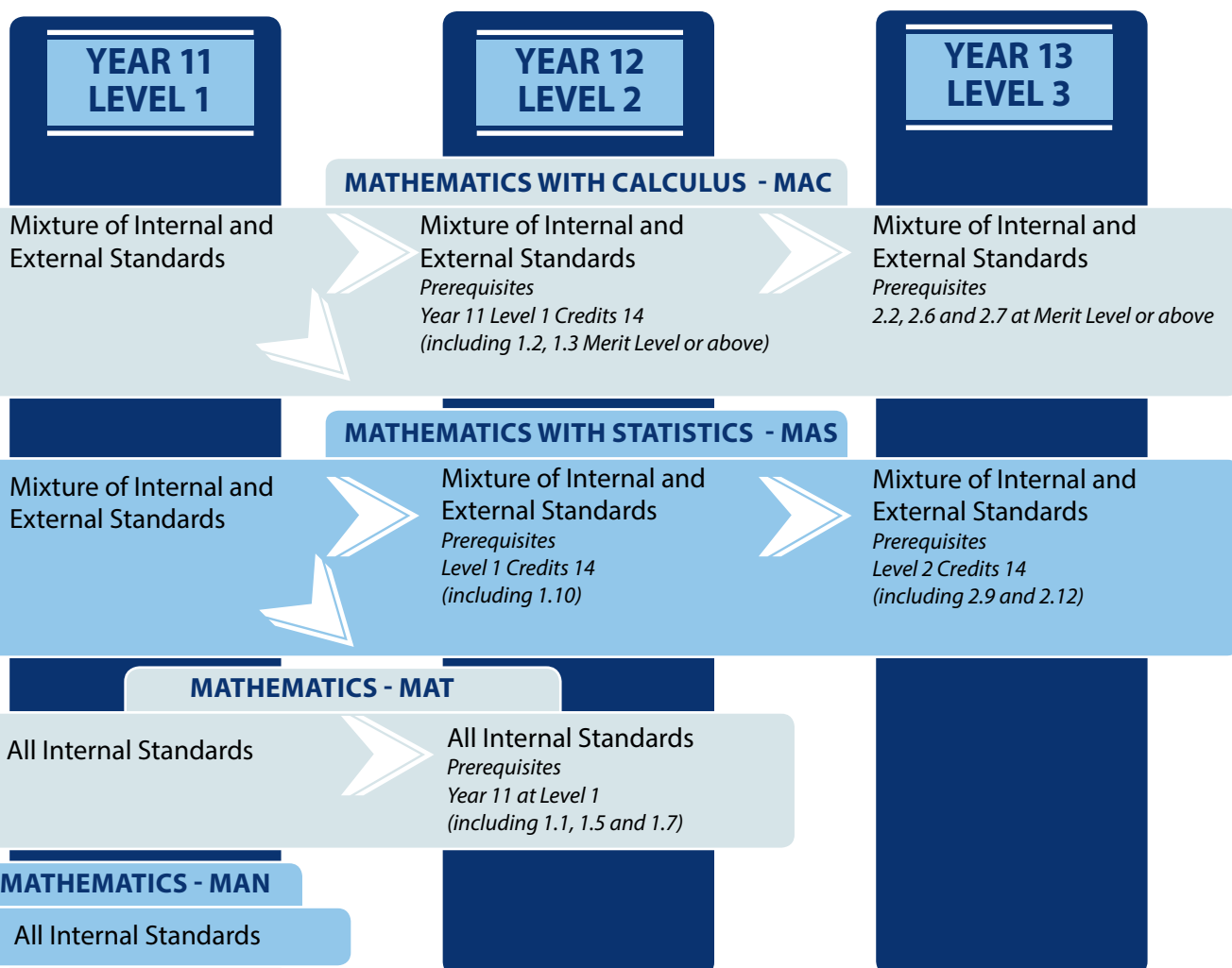
# Senior English Progression

English is not compulsory after Year 11. The Head of Department will place students in an appropriate course.



# Senior Mathematics Progression

Mathematics is not compulsory after Year 11. The Head of Department will place students in an appropriate course.



YEAR 10

# English

**University  
Approved**

**NCEA Level 3  
English**

## CREDITS AND ASSESSMENT

13 Internal Credits.  
8 External Credits.

## ENTRY CONDITIONS

Automatic: Year 13 students who achieved Merit or better in a range of Level 2 English.

## WHAT IS THE COURSE ABOUT?

This is an optional subject for students who love literature and language. It is intended as a preparation for tertiary study in English or other Arts subjects but the skills developed here are transferable to a range of future study options. This course will suit students who wish to continue exploring the role of literature in our culture.

## THIS COURSE LEADS TO

Tertiary study.

## TEACHER IN CHARGE

Mrs Ferguson-Brown.

**NCEA Level 3  
ESOL**

## CREDITS AND ASSESSMENT

8–12 Internal Credits.

## ENTRY CONDITIONS

Any student whose first language is not English and who has completed a Year 12 ESOL course. Students are encouraged to do eight hours of ESOL.

## WHAT IS THE COURSE ABOUT?

The course will continue to develop the four language skills (Speaking, Listening, Reading, Writing). In addition, it will offer both ESOL and English standards working towards the completion of Level 2 Literacy and University Entrance requirements.

## THIS COURSE LEADS TO

Tertiary courses, by achieving the Literacy credits for University Entrance.

## APPROXIMATE COST

\$20.00 Ring binder, refill and dividers.

## TEACHER IN CHARGE

Mr Tsavousis.

**University  
Approved**

**NCEA Level 3  
Media Studies**

## CREDITS AND ASSESSMENT

16 Internal Credits.  
4 External Credits.

## ENTRY CONDITIONS

Automatic: for Year 13 students who achieved Merit or better in a range of Level 2 English standards or similar from other Social Science subjects.

## WHAT IS THE COURSE ABOUT?

This course examines how audiences are targeted by specific media Industries. We apply models and theories to understand the relationship between the audience and a media game. We analyse the impact of television advertising and design, plan and produce a short film showing an understanding of genres and conventions.

## THIS COURSE LEADS TO

Tertiary studies, CPIT, NZ Broadcasting School.

## TEACHER IN CHARGE

Mr Gough.

# Mathematics

**University  
Approved**

**NCEA Level 3  
Mathematics with Statistics**

## CREDITS AND ASSESSMENT

14 Internal Credits.  
8 External Credits.

## ENTRY CONDITIONS

Automatic: for students who have 14 or more credits, including 2.9 and 2.12 from their NCEA Level 2 Mathematics Course. Discretionary (see Page 4).

## WHAT IS THE COURSE ABOUT?

Interpreting statistical information, carrying out a statistical investigation and solving probability problems.

## THIS COURSE LEADS TO

Tertiary study in Mathematics or Statistics and is often required by students going onto tertiary study in life sciences, business or research of any kind.

## APPROXIMATE COST

\$30.00–\$36.00 Workbooks.  
Students will need a scientific or graphics calculator (graphics calculator advisable.)

## TEACHER IN CHARGE

Mrs Whyte.

**University  
Approved**

**NCEA Level 3  
Mathematics with Calculus**

## CREDITS AND ASSESSMENT

4 Internal Credits.  
17 External Credits.

## ENTRY CONDITIONS

Automatic: for students who have Achievement Standards 2.2, 2.6, and 2.7 at Merit or Excellence levels.  
Discretionary (see Page 4).

# Senior Science Progression

All Level 2 Science courses have prerequisites for automatic entry. You should be aware of these if you intend to progress through to Levels 2 and 3 Sciences.

YEAR 10

YEAR 11  
LEVEL 1

SCIENCE

Credits 16-20

AGRICULTURAL  
SCIENCE

Internal Credits 26  
AG ITO Level 2  
Unit Standards  
(Like Rural College)

YEAR 12  
LEVEL 2

GENERAL SCIENCE

Internal Credits 19  
External Credits 4

BIOLOGY

Internal Credits 7  
External Credits 12

CHEMISTRY

Internal Credits 7  
External Credits 13

PHYSICS

Internal Credits 7  
External Credits 12

YEAR 13  
LEVEL 3

Internal Credits 16  
External Credits 4

Internal Credits 10  
External Credits 8

Internal Credits 6  
External Credits 15

Internal Credits 4  
External Credits 16



### WHAT IS THE COURSE ABOUT?

This course is about learning how to use integration, differentiation and trigonometry to solve problems, manipulating real and complex numbers, solving equations, and using numerical methods to solve problems.

### THIS COURSE LEADS TO

Tertiary study in Mathematics and/or physical sciences, engineering or related fields.

### APPROXIMATE COST

\$30.00–\$36.00 Workbooks.  
Students will need a scientific or graphics calculator (graphics calculator advisable.)

### TEACHER IN CHARGE

Mrs Whyte.

## Sciences

**University  
Approved**

**NCEA Level 3  
General Science**

### CREDITS AND ASSESSMENT

16 Internal Credits.  
4 External Credits.

### ENTRY CONDITIONS

Automatic: for students who have achieved at least 15 credits in any NCEA Level 2 Science courses.  
Discretionary (see Page 4).

### WHAT IS THE COURSE ABOUT?

Level 3 Science is a course for students wanting to do a Level 3 Science course for a career or for interest without specialising in Biology, Chemistry, or Physics. Units of work include Biology, Chemistry, Physics, and Earth and Space Science. The content is themed around Kaitiakitangi—using science for guardianship of our earth, with an emphasis on the causes and effects of climate change. This issue will continue to grow and dominate our lives more and more, and an understanding of the relevant science ideas will help to demystify this issue.

### APPROXIMATE COST

\$60.00 Field Trips.

### TEACHER IN CHARGE

Miss Voss.

**University  
Approved**

**NCEA Level 3  
Biology**

### CREDITS AND ASSESSMENT

10 Internal Credits.  
8 External Credits.

### ENTRY CONDITIONS

Automatic: for students who have passed one Internal and two external NCEA Level 2 standards.  
Discretionary (see Page 4).

### WHAT IS THE COURSE ABOUT?

This course further develops skills and concepts in preparation for tertiary studies. The Year 12 course largely looks at the patterns that exist in nature; this course spends time looking at the many exceptions to these patterns. Experimental design skills will be developed further by completing an investigation on an aspect of the niche of a rocky shore animal during our field trip to the Edward Percival Research Station at Kaikoura.

### THIS COURSE LEADS TO

University and other careers.

### APPROXIMATE COST

\$35.00 Workbook.  
\$170.00 Kaikoura Field Trip.

### TEACHER IN CHARGE

Miss Voss.

**University  
Approved**

**NCEA Level 3  
Chemistry**

### CREDITS AND ASSESSMENT

6 Internal Credits  
15 External Credits

### ENTRY CONDITIONS

Automatic: for students who have passed 1 Internal and 2 External Level 2 standards. Discretionary (see Page 4).

### WHAT IS THE COURSE ABOUT?

This course further develops skills and concepts in preparation for tertiary studies. Chemical families studied in Year 12 are briefly revisited and then extra examples are studied. The atom, and how its structure explains certain properties and trends of elements, is looked at in more detail.

### THIS COURSE LEADS TO

University and other careers

### APPROXIMATE COST

\$35.00 Continuing Chemistry NCEA Level 3.

### TEACHER IN CHARGE

Mr Gerritsen.

**University  
Approved**

**NCEA Level 3  
Physics**

### CREDITS AND ASSESSMENT

4–7 Internal Credits  
10–16 External Credits

### ENTRY CONDITIONS

Automatic: for students who have 15 Credits from Level 2 Physics. Discretionary (see Page 4).

### WHAT IS THE COURSE ABOUT?

This course is a comprehensive course giving students an understanding of mechanics, waves, and electrical systems.

### THIS COURSE LEADS TO

University physics, engineering, armed services, medicine and much more.

# Senior Social Science Progression

Levels 2 and 3 subjects may have prerequisites.

YEAR 10

## YEAR 11 LEVEL 1

Internal Credits 12  
External Credits 8  
*Open Entry*

## YEAR 12 LEVEL 2

Internal Credits 14  
External Credits 10  
*Prerequisites*  
*History Level 1 Credits 16*  
*or English Level 1 Credits 16*  
*(Reading or Writing 10)*

## YEAR 13 LEVEL 3

Internal Credits 15  
External Credits 10  
*Prerequisites*  
*History Level 2 Credits 14*  
*or English Level 2 Credits 16*  
*(Reading or Writing 10)*

### HISTORY

### GEOGRAPHY

### ECONOMICS

### COMMERCE

### BUSINESS STUDIES

### ACCOUNTING

### CLASSICAL STUDIES

Course Offered in 2019

Course Offered in 2020

Course Offered in 2021

Internal Credits 12  
External Credits 10  
*Prerequisites*  
*English or History Merit Credits*  
*or by Discretion*

### APPROXIMATE COST

\$30.00 Learning Workbook.  
A laptop with Microsoft Excel is strongly recommended.

### TEACHER IN CHARGE

Mr Maude.

## Rural College

**NCEA Level 3  
Rural College**

### CREDITS AND ASSESSMENT

24–30 Internal Credits.

### ENTRY CONDITIONS

Automatic: for students who have successfully completed Rural College Year 2.

### WHAT IS THE COURSE ABOUT?

Rural College Level 3 is based around animal reproduction and genetics, plant pests and diseases, calving, and agrichemicals.

### THIS COURSE LEADS TO

Lincoln Diploma of Agriculture.

### APPROXIMATE COST

\$150.00  
Paid in full or in instalments by arrangement.

### TEACHER IN CHARGE

Mr Smith.

## Social Sciences

**University  
Approved**

**NCEA Level 3  
History**

### CREDITS AND ASSESSMENT

15 Internal Credits  
5–10 External Credits

### ENTRY CONDITIONS

Automatic: for students who have 14 History credits at Level 2 or 16 credits at Level 2 English (10 of these must be reading/writing standards). Discretionary: (see Page 4).

### WHAT IS THE COURSE ABOUT?

Level 3 History builds on Level 2 History. Students will focus on key events and issues of the England of Elizabeth I. Students will examine key elements of Elizabethan society and economy, systems of government, significant events during her reign, such as the execution of Mary Queen of Scots. Students will also cover a topic called Creating Canterbury. This topic looks into the nature of early contact between Māori and Pakeha in early 19th century Canterbury. Students also conduct an in-depth inquiry into the 1860s Otago Goldrush and will also explore other key events connected to 19th Century NZ and local History. Level 3

History equips students with invaluable skills such as research techniques, the skills needed to process and produce varied and complex materials, the skills needed to give clear and effective oral and written presentations and the ability to articulate ideas and make them clear to others. With these skills, students enhance their employability and are able to participate actively and critically in their societies.

### THIS COURSE LEADS TO

Tertiary Level 1 History papers and is useful in courses such as Law, Journalism, Politics, Museum Curator and Business and Commerce.

### COST

\$250.00 Arrowtown Field Trip.  
\$30.00 Akaroa Field Trip.

### TEACHER IN CHARGE

Mrs Lee.

**University  
Approved**

**NCEA Level 3  
Geography**

### CREDITS AND ASSESSMENT

14 Internal Credits  
9 External Credits

### ENTRY CONDITIONS

Open: Automatic for Year 13 students who achieved 14 credits in Level 2. Students who will be most successful will have well developed writing skills and a proven ability to collect and analyse information.

### WHAT IS THE COURSE ABOUT?

This course looks at how a range of Natural Processes form the Canterbury Coastline, and how the Cultural Processes of Tourism Development operate in the Queenstown region and in Bali. There is a continuation of research, issues, and global studies.

### THIS COURSE LEADS TO

Successful Geography students can look forward to careers in city planning, environmental management, geographic information systems, travel and tourism, and resource management.

### APPROXIMATE COST

\$220.00 A field trip to the Canterbury Coast and Queenstown, plus a workbook.

### TEACHER IN CHARGE

Mr Quinn.

**University  
Approved**

**NCEA Level 3  
Economics**

### CREDITS AND ASSESSMENT

10 Internal Credits.  
14 External Credits.

### ENTRY CONDITIONS

Automatic: for students who have 16 Economics credits at Level 2 or 16 English credits at Level 2 (10 must be in Reading/Writing standards). Discretionary: (see Page 4).

# Arts Progression

Levels 2 and 3 subjects may have prerequisites.

**YEAR 11  
LEVEL 1**

**YEAR 12  
LEVEL 2**

**YEAR 13  
LEVEL 3**

## VISUAL ART

Internal Credits 10  
External Credits 12  
*Prerequisites: Junior Art*

## VISUAL ART, SCULPTURE, PAINTING AND PRINTMAKING

Internal Credits 8  
External Credits 12  
*Prerequisite: External and Internal Level 1 Achieved*

Internal Credits 8  
External Credits 14  
*Prerequisite: External and Internal Level 2 Achieved*

## DRAMA

Internal Credits 13  
External Credits 4  
*Prerequisites: Year 10 Drama*

Internal Credits 13  
External Credits 4  
*Prerequisites: 10 Credits in Level 1 Drama*

Internal Credits 13  
External Credits 4  
*Prerequisites: 10 Credits in Level 2 Drama*

## MUSIC

Internal Credits 22  
External Credits 8  
  
*Prerequisites: Year 10 Music and a Grade 3 Theory exam and/or learning an instrument for three years*

Internal Credits 19  
External Credits 5  
  
*Prerequisites: Level 1 Music or a Grade 4 Theory exam and/or learning an instrument for four years*

Internal Credits 13-20  
External Credits 4-11  
  
*Prerequisites: Level 2 Music or a Grade 5 Theory Exam*

YEAR 10



### WHAT IS THE COURSE ABOUT?

This course builds on Year 12 Economics beginning with an analytical study of the market system now operating in NZ. Topic Two looks at Market Failure and how the Government attempts to make the situation efficient and/or equitable. Finally, we study the two main types of markets, perfectly competitive markets and monopoly markets.

### THIS COURSE LEADS TO

A degree in Commerce or Business Studies or NZ Diploma in Business Studies.

### APPROXIMATE COST

\$25.00 Workbook.

### TEACHER IN CHARGE

Ms Evans.

**University  
Approved**

**NCEA Level 3  
Business Studies**

### CREDITS AND ASSESSMENT

15 Internal Credits.  
4 External Credits.

### ENTRY CONDITIONS

Automatic: for students who have 14 or more credits in Level 2 Commerce. Discretionary (see Page 4).

### WHAT IS THE COURSE ABOUT?

Students participate in the Young Enterprise Programme to develop and run a business providing an innovative and sustainable product. The external exams build on knowledge from Levels 1 and 2 and focus on the internal and external factors that affect business in a global context.

### THIS COURSE LEADS TO

Tertiary level courses in a range of subjects.

### COST

\$15.00 Workbook.  
A laptop is strongly recommended for internals.

### TEACHER IN CHARGE

Ms Harrington.

**University  
Approved**

**NCEA Level 3  
Classical Studies**

### CREDITS AND ASSESSMENT

12 Internal Credits.  
10 External Credits.

### ENTRY CONDITIONS

You must have achieved a Merit in either English written externals or a History essay paper, or at discretion of TIC.

### WHAT IS THE COURSE ABOUT?

Classical Studies is the investigation into the world of the ancient Greeks and Romans. The course will investigate the philosophy of Socrates and the Greeks of the Fifth Century, by exploring the influences of Heracles in two post-classical periods, and analyse Greek vases.

### THIS COURSE LEADS TO

Students will gain a better understanding of the selection, analysis, and presentation requirements of the research process. Close reading of primary and secondary texts is required and will benefit any student intending to study at the tertiary level.

### TEACHER IN CHARGE

Mr Gough.

## Arts

**University  
Approved**

**NCEA Level 3  
Visual Art  
NCEA Level 3 Painting  
NCEA Level 3 Sculpture  
NCEA Level 3 Printmaking**

### CREDITS AND ASSESSMENT

8 Internal Credits.  
14 External Credits.

### ENTRY CONDITIONS

Automatic: for students who achieved the external and at least one internal at Level 2 Visual Art. Students are encouraged to enter Scholarship.

Discretionary (see Page 4).

*Please note: a student may have to take two Art subjects to study Fine Arts at some universities, eg Canterbury University.*

### WHAT IS THE COURSE ABOUT?

Students will develop a proposal where they will explore, develop, and clarify works and ideas in their chosen field— Painting, Sculpture or Printmaking. Scholarship involves a further exploration of a student's proposal and is submitted along with their external folio assessment.

### THIS COURSE LEADS TO

A Fine Arts Degree, 2 or 3D Design, Architecture, Spatial Design, Digital and Photographic Art and/or communications. There are many qualifications and careers where students need to think conceptually and employ creative skills.

### APPROXIMATE COST

\$35.00 Painting. Along with specialty paints and brushes which are appropriate and sourced by the student. Costs cover folio boards, painting mounts and colour photocopying.  
\$30.00 Sculpture. Students will need to source their own materials which are appropriate to their proposal. Costs cover colour photocopying and folio boards.  
\$80.00 Printmaking. Costs cover speciality printing inks and papers plus folio boards and photocopying.

### TEACHER IN CHARGE

Mrs Carey.



**University  
Approved**

**NCEA Level 3  
Drama**

**CREDITS AND ASSESSMENT**

13 Internal Credits.  
4 External Credits.

**ENTRY CONDITIONS**

Automatic: for students who have attained 10 Credits in Level 2 Drama. Discretionary (see page 4).

**WHAT IS THE COURSE ABOUT?**

The skills surrounding acting technique, stylised performance and reflective practice will be extended in Level 3. Students will research, develop and perform using a range of theatre forms and use this knowledge to respond in the external paper. Students will be given the opportunity to direct or undertake other management responsibilities in a performance and will also perform in a class production. Students are encouraged to participate in the cultural extra—curricular opportunities such as Production, Sheilah Winn or ShowQuest to further their understanding of drama practice.

**THIS COURSE LEADS TO**

A degree in Theatre Studies or Performing Arts; a career in performance or technical operation. This course also helps you to develop confidence and presentation skills necessary for almost any career.

**TEACHER IN CHARGE**

Mrs Hanson.

**University  
Approved**

**NCEA Level 3  
Music**

**CREDITS AND ASSESSMENT**

**Making Music Strand—Practical**  
20 Internal Credits.  
4 External Credits.

**Music Studies Strand—Theoretical**

13 Internal Credits.  
11 External Credits.

**ENTRY CONDITIONS**

Students who have achieved Level 2 Music credits, or those who have sat a Grade 5 Theory exam. Discretionary (see page 4).

**WHAT IS THE COURSE ABOUT?**

This advanced performance course provides for the student the perfect opportunity to develop practical skills to a University Entrance level. Participation in school ensemble work is strongly recommended. Can mix credits between both strands.

**THIS COURSE LEADS TO**

Tertiary Studies.

**APPROXIMATE COST**

\$25.00 Theory Book, Course booklet, assignments and discs. Additional charges for competitions and tours, as applicable.

**TEACHER IN CHARGE**

Mrs Balchin.

# Languages

**University  
Approved**

**NCEA Level 3  
French**

**CREDITS AND ASSESSMENT**

14 Internal Credits.  
10 External Credits.

**ENTRY CONDITIONS**

Automatic: for students who have successfully studied NCEA Level 2 French. Discretionary (see Page 4).

**WHAT IS THE COURSE ABOUT?**

Students will further develop all language skills with the emphasis on ability to express a point of view. Topics studied will include famous people and events, getting a job, immigration and social cohesion, new technologies, environmental issues and the study of a region of France.

**THIS COURSE LEADS TO**

Tertiary Level French.

**APPROXIMATE COST**

\$32.00 Workbook  
\$20.00 Language Perfect Subscription.

**TEACHER IN CHARGE**

Mme Juhel.

**University  
Approved**

**NCEA Level 3  
Japanese**

**CREDITS AND ASSESSMENT**

14 Internal Credits.  
10 External Credits.

**ENTRY CONDITIONS**

Automatic: for students who have successfully studied NCEA Level 2 Japanese. Discretionary (see Page 4).

**WHAT IS THE COURSE ABOUT?**

NCEA Level 3 Japanese teaches students to use language patterns spontaneously and to develop and support their points of view in Japanese.

**THIS COURSE LEADS TO**

Tertiary Level Japanese.

**APPROXIMATE COST**

\$32.00 Workbook  
\$20.00 Language Perfect Subscription.

**TEACHER IN CHARGE**

Mrs Hayakawa-Buist.

# Senior Technology Progression

Level 1: No entry prerequisites for most Technologies, but experience in Year 10 preferred.  
 Level 2: Students must have passed the course at Level 1 or discuss with the teacher.

YEAR 10

**YEAR 11  
LEVEL 1**

**YEAR 12  
LEVEL 2**

**YEAR 13  
LEVEL 3**

## DIGITAL TECHNOLOGIES

Internal Credits 17  
 External Credits 3  
 Plus Extra Optional 3

Internal Credits 13  
 External Credits 3  
 Plus Extra Optional 6

Internal Credits 13  
 External Credits 3  
 Plus Extra Optional 6

## COMPUTER PROGRAMMING

Internal Credits 14  
 External Credits 3  
 Plus Extra Optional 6

Internal Credits 14  
 External Credits 3  
 Plus Extra Optional 6

## DESIGN AND VISUAL COMMUNICATION

Internal Credits 13  
 External Credits 6  
 Plus Extra Optional 3

Internal Credits 13  
 External Credits 7  
 Plus Extra Optional 6

Internal Credits 12  
 External Credits 4  
 Plus Extra Optional 6

*Prerequisites*  
 Level 1 Credits 12  
 (Comprising of 1 Internal and 1 External)

*Prerequisites*  
 Level 2 Credits 10  
 (Comprising of 1 Internal and 1 External)

## SOFT MATERIALS

Internal Credits 14  
 External Credits 4

Internal Credits 12  
 External Credits 4

## ENGINEERING

Internal Credits 10  
 External Credits 4  
 Unit Standards 16

Internal Credits 10  
 External Credits 4  
 Unit Standards 12

Internal Credits 13  
 External Credits 4  
 Plus Extra Optional 6

*Prerequisites*  
 Level 1 Credits 12  
 (Comprising of 1 Internal and 1 External)

*Prerequisites*  
 Achievement Standards Credits 6  
 (At pass level in any of the  
 technology generic standards)

## HOME ECONOMICS AND HOSPITALITY

Internal Credits 17  
 External Credits 4

Internal Credits 16  
 External Credits 4

Internal Credits 16  
 External Credits 4

## FURNITURE MAKING TECHNOLOGY

Unit Standards 22

Unit Standards 23



# Technologies

**University  
Approved**

**NCEA Level 3  
Design and Visual  
Communication**

## CREDITS AND ASSESSMENT

- 12 Internal Credits.
- 6 Further Optional Internal Credits.
- 4 External Credits
- 6 External Credits if gained in Level 2.  
(option to attempt again in Level 3).

## ENTRY CONDITIONS

Automatic: Students must have successfully completed NCEA Level 2 Graphics. Discretionary (see Page 4).

## WHAT IS THE COURSE ABOUT?

At Level 3 the students will be challenged to record their own personal design journey in either a product and/or spatial design context. The course covers three main aspects—initiating design ideas, resolving design ideas through to a finished design, and finally presenting their design through either working drawings or an exhibition.

## THIS COURSE LEADS TO

A career in product, architectural, landscape, interior and graphic design, and provides a good basis for many other construction related careers.

## APPROXIMATE COST

\$35.00 Colour printing, 3D printing and copying costs. Plus stationery requirements.

## TEACHER IN CHARGE

Ms Mossop.

**University  
Approved**

**NCEA Level 3  
Engineering Technologies**

## CREDITS AND ASSESSMENT

- 10 Internal Credits.
- 4 External Credits.

## ENTRY CONDITIONS

Automatic: for students who successfully complete NCEA Level 2 Engineering Technology and achieve at least six credits from Level 2 Achievement Standards, or students who have gained six Achievement Standard credits in any of the other technology areas, ie DTG, DVC. Discretionary (see Page 4).

## WHAT IS THE COURSE ABOUT?

This course is designed to develop students' technological knowledge in preparation for further study or University Entrance. Students will focus on the rapid development of design ideas using computer-aided design, programmable microprocessors and advanced workshop skills.

## THIS COURSE LEADS TO

Tertiary study in Engineering/Design/ Technology.

## APPROXIMATE COST

\$55.00 Assessment sheets and consumables. Plus project materials.

## TEACHER IN CHARGE

Mr Finnigan.

**University  
Approved**

**NCEA Level 3  
Digital Technologies**

## CREDITS AND ASSESSMENT

- 14 Internal Credits.
- 3 External Credits.
- 6 Extra Optional Credits.

## ENTRY CONDITIONS

Automatic: for students who studied Level 2 Digital Technologies. Discretionary (see Page 4).

## WHAT IS THE COURSE ABOUT?

Students will build on the skills learnt in Level 2. They will learn complex techniques and apply user experience methodologies and iterative processes to plan, design and develop a digital media outcome and present a reflective analysis of developing the outcome.

## THIS COURSE LEADS TO

Tertiary level courses in related subjects.

## APPROXIMATE COST

Printing credits. Students will require their own headphones.

## TEACHER IN CHARGE

Ms Blakemore.

**University  
Approved**

**NCEA Level 3  
Computer Programming**

## CREDITS AND ASSESSMENT

- 14 Internal Credits.
- 3 External Credits.
- 6 Extra Optional Credits.

## ENTRY CONDITIONS

Automatic: for students who studied Level 2 Computer Programming. Discretionary (see Page 4).

## WHAT IS THE COURSE ABOUT?

This course is designed for students who have good computer skills and who want to learn about Computer Science concepts and creating computer program solutions to problems. They will learn to develop a complex computer program, conduct a critical digital technologies inquiry, use complex techniques to develop a database and evaluate a digital technology concept.

## THIS COURSE LEADS TO

Tertiary level courses in related subjects.

## APPROXIMATE COST

Printing credits. Students will require their own headphones.

## TEACHER IN CHARGE

Mrs Hamilton.

# Senior Physical Education Progression

The Head of Department will make the final decision regarding course acceptance.

**YEAR 11  
LEVEL 1**

**YEAR 12  
LEVEL 2**

**YEAR 13  
LEVEL 3**

## PHYSICAL EDUCATION

Internal Credits 18-24

Internal Credits 18-24

Internal Credits 18-24

*Prerequisites*

*Students who have completed 11 PED will have an advantage*

*Prerequisites*

*Automatic for those with 16 Level 2 PED Credits*

## OUTDOOR EDUCATION

Internal Credits 18-24

Unit Standards 24

Achievement Standards 6

*Open Entry, although you need to be physically fit. Higher fees apply for this course*

Unit Standards 24

Achievement Standards 10

*Higher fees apply for this course*

**YEAR 10**

**University** *NCEA Level 3*  
**Approved** *Food and Nutrition Technology*

### CREDITS AND ASSESSMENT

15 Internal Credits.  
4 External Credits.

### ENTRY CONDITIONS

Automatic: for students who have successfully completed Level 2 Food and Nutrition Technology.  
Discretionary (see Page 4).

### WHAT IS THE COURSE ABOUT?

This course explores sugary drink consumption and effects; multinational food companies and food advertising. Each topic requires students to complete a written assignment.

### THIS COURSE LEADS TO

Tertiary studies in nutrition, cheffing and hospitality.

### APPROXIMATE COST

\$37.00 Workbooks.  
\$50.00 Ingredients.  
Students will be required to provide some ingredients for practical lessons.

### TEACHER IN CHARGE

Mrs Nilsson.

## Physical Education, Health, and Sport

**University** *NCEA Level 3*  
**Approved** *Physical Education*

### CREDITS AND ASSESSMENT

18–24 Internal Credits.

### ENTRY CONDITIONS

Automatic: for students who have 16 Level 2 Physical Education credits. Discretionary (see Page 4).

### WHAT IS THE COURSE ABOUT?

Year 13 Physical Education is a demanding and challenging course in which students develop both their understanding of a physically active lifestyle and the skills required for such a lifestyle. Modules completed are rock-climbing, distance running, leadership, and badminton.

### THIS COURSE LEADS TO

Tertiary level courses in related subjects.

### APPROXIMATE COST

\$250.00 Outdoor Education Module.  
\$ 60.00 Coaches and Course Workbooks.  
These costs may vary from year to year. Costs are also dependent on class size and changes in external providers.

### TEACHER IN CHARGE

Mr Dickens.

*NCEA Level 3*  
*Outdoor Education*

### CREDITS AND ASSESSMENT

All standards are internally assessed.  
10 Achievement Standard Credits.  
24 Unit Standard Credits.

### ENTRY CONDITIONS

Students need to have completed the Year 12 Outdoor Education course to be eligible to take this course. Students need to be physically fit and fully committed to all modules within the course and all opportunities that are provided. This will include overnight trips and some weekend activities.

### WHAT IS THE COURSE ABOUT?

The Outdoor Education course is physically demanding and will require some time outside of school hours. This course will develop the students' understanding of the outdoors and the environment in which they live. They will also learn to work as a team and work towards achieving both personal and group goals.

### THIS COURSE LEADS TO

National Certificate in Outdoor Recreation.

### APPROXIMATE COST

\$250.00 Rock Climbing.  
\$100.00 Tramping.  
\$100.00 Snow Skills.  
\$100.00 Mountain Biking.

### TEACHER IN CHARGE

Mr Dickens.

# Senior Health Progression

The Head of Department will make the final decision regarding course acceptance.

**YEAR 11  
LEVEL 1**

**YEAR 12  
LEVEL 2**

**YEAR 13  
LEVEL 3**

## HEALTH

Internal Credits 16  
External Credits 4

Internal Credits 16  
External Credits 4

Internal Credits 15  
External Credits 5  
Plus Extra Optional 6  
*Prerequisites*  
*12 Credits in Level 2 English*  
*or Level 2 Health with Teacher*  
*approval*

YEAR 10

# CAREER

Loading...

### CREDITS AND ASSESSMENT

15 Internal Credits.  
5 External Credits.

### ENTRY CONDITIONS

Level 2 English (12 credits) or Health Level 2 with HOD approval.

### WHAT IS THE COURSE ABOUT?

The main focus is to equip students with the skills and knowledge to critically examine the effect of health determinants on Hauora (well-being) at a personal, interpersonal and societal level, with a particular focus on the influences, consequences and strategies of these effects. Level 3 NCEA Health assessments require students to apply critical thinking skills using sociological, psychological and Health Promotion models, hence excellent communication and literacy skills are essential. The main topics include contemporary health practices, ethical health issues, sexuality and gender issues in New Zealand.

### THIS COURSE LEADS TO

Possible tertiary and career options could include education, psychology, sociology, politics, law, economic, medicine, community health, social and justice services.

### APPROXIMATE COST

\$28.00 Workbooks.

### TEACHER IN CHARGE

Ms Mallinder.

## Alternatives

### DISTANCE EDUCATION COURSES

Darfield High School sees subjects taken through distance education options as a valuable extension of its curriculum. It provides students with an excellent opportunity for self-directed study.

### VIDEO CONFERENCING—NET NZ

Years 11, 12, and 13  
Prerequisite: Open to senior students.

### WHAT IS NET NZ?

NetNZ is a cluster of 20 secondary and area schools in the greater Canterbury region that engages in eLearning to better meet the needs of students and teachers.

NetNZ is a member of the Virtual Learning Network (VLN) which connects the eLearning clusters and enables the delivery of a range of online courses using a range of technologies.

### HOW DOES IT WORK?

Each of the schools offers a course, a teacher and an eDean that allows them to enrol students in courses offered by schools across the Virtual Learning Network (NZ).

Generally a course consists of eight to 14 students who are taught by an eTeacher (who will be from a participating school) using an approach that blends face-to-face style video conference tutorials with a mix of online and paper based learning. You would typically find a course consists of students from five to seven different schools throughout the country. Much of the learning will be accessed through an online space where students can receive work, download assignments, and interact with the teacher and other students.

The role of the eDean in a school is to support the students and provide an important line of communication between teacher and students. This means students are not just left on their own to cope if they are having difficulties.

There is a NetNZ brochure available to any students who are looking at VC as an option for a particular subject.

Course costs will vary depending on school and course. For more information, please email Mr Adams, [ta@darfield.school.nz](mailto:ta@darfield.school.nz)

Criteria for entry to Video Conferencing are set by the enrolment policies of Darfield High School and by the NetNZ Network.

# Useful Websites

## CAREERS NZ

A New Zealand Government Website. This website is full of useful information to help with Career choices, from planning your career, job hunting, help writing a CV, to Careers and Education choices.



<https://www.careers.govt.nz/>

## YOUTH GUARANTEE

Youth Guarantee initiatives are about improving the transition from school to further study, work or training. They provide a wider range of learning opportunities, make better use of the education network, and clarify pathways from school.



<http://youthguarantee.net.nz/>

## OCCUPATION OUTLOOK

A New Zealand Government Website. Occupation Outlook is a mobile app. It is a great tool for exploring study and career options, with extensive information on labour supply and demand in over 100 occupations in New Zealand.

OCCUPATION  
OUTLOOK

<http://occupationoutlook.mbie.govt.nz>

Check out  
the DHS  
Careers  
webpage

Careers

@ Darfield High School

<https://sites.google.com/darfield.school.nz/careers>



# Virtual Learning Network

These courses require one period a week with a teacher through video conferencing and at least three hours of independent study per week. Most courses will be using Google online learning spaces.

SOCIAL SCIENCES		LEVEL 1	LEVEL 2	LEVEL 3
Geography		√	√	√
History		√	√	√
Classical Studies			√	√
Social Studies				
Tourism				√
Economics		√	√	√
Psychology			√	√
Business Enterprise				
Media Studies			√	√

MATHEMATICS AND STATISTICS		LEVEL 1	LEVEL 2	LEVEL 3
Mathematics (Generic)		√	√	√
Mathematics with Statistics				√
Mathematics with Calculus				√
Accounting		√	√	√

LANGUAGES	INTRODUCTORY	LEVEL 1	LEVEL 2	LEVEL 3
Te Reo Maori	√	√	√	√
Spanish	√	√	√	√
German	√		√	√
Japanese	√	√	√	
French	√	√	√	√

TECHNOLOGY		LEVEL 1	LEVEL 2	LEVEL 3
Graphics		√	√	√
Computing				
Digital Technologies		√	√	√
Food and Nutrition				
Food and Hospitality				
Electronics			√	√

HEALTH AND PHYSICAL EDUCATION		LEVEL 1	LEVEL 2	LEVEL 3
Health		√		
Physical Education			√	√

SCIENCE		LEVEL 1	LEVEL 2	LEVEL 3
Science (Generic)		√		
Physics			√	√
Biology			√	√

THE ARTS		LEVEL 1	LEVEL 2	LEVEL 3
Visual Art				
Art History			√	√
Photography			√	√
Dance				
Drama				
Music		√	√	√



# Background Information for Careers

CAREER	BACKGROUND REQUIRED
Agriculture—Diploma	Completion of Year 12 and NCEA Level 2 recommended.
Architectural Technology—Diploma	Completion of Year 12 and NCEA Level 2 in Mathematics and Physics.
Defence Forces	A wide range of careers is available with differing entry requirements. NCEA Level 2 minimum.
Automotive Trades	NCEA Level 1 English and Mathematics. Useful subjects are Science, Graphics, Workshop Technology.
Building	NCEA Level 1 English, Mathematics. Woodwork or Furniture Making and Graphics an advantage.
New Zealand Diploma in Business	Completion of Year 12 and NCEA Level 2 in four subjects or completion of Level 3 programme of study. Literacy 8 x Level 2 Credits, Numeracy 14 x Level 1 Credits
Childcare—Diploma	Completion of Year 12 and NCEA Level 2 required.
Chef—Certificate	English NCEA Level 1.
Design—Diploma	Good NCEA Level 3 results. Specified portfolio of work. Completion of Year 12 and NCEA Level 2 Portfolio of work.
Electrical Engineering—Technician	Completion of Year 12 and NCEA Level 2 in Mathematics, Science, Technology.
Hairdressing—Certificate	Completion of Year 12 and NCEA Level 2 an advantage.
Horticulture—Diploma	Completion of Year 12 and NCEA Level 2 recommended. Agriculture, Biology and English Level 2 recommended.
Hospitality Management—Diploma	Age 18. Completion of Year 12 and NCEA Level 2 including English, Accounting, Economics and Keyboard Skills preferred.
Police	Completion of Year 12 and NCEA Level 2.
Quantity Surveying—Diploma	Completion of Year 12 and NCEA Level 2, including Mathematics.
Science—Diploma	Completion of Year 12 and NCEA Level 2 Biology, Chemistry and Mathematics.
Travel and Tourism—Certificate	Completion of Year 12 and NCEA Level 2.

## NOTES:

- The subjects here are only a guide to what is needed to begin training. More detailed information can be obtained from the Careers Adviser.*
- Tertiary Institutions will offer different courses and entry requirements may differ.*

# Recommended Subjects For Year 13

\*\* Compulsory  
\* Recommended

These represent only a small selection of possible careers and the requirements listed here are minimum ones. For further information see the Careers Advisor.

Medical	Chemistry	Biology	Physics	Statistics	Calculus	English Rich	Other
Health Science	**	**	**	** or *	*	*	
Biomedical Sciences	**	**	**			*	
Oral Health		**				**	
Dental Technology	**	*	**	* or *	*	*	Year 12 Biology
Medical Radiation Therapy		**	**	** or **	**	**	
Nursing	**	**				**	PE may also be helpful
Occupational Therapy							PE may also be helpful
BPhED Majors	Chemistry	Biology	Physics	Statistics	Calculus	English Rich	Other
Exercise and Sport Science		**		*			PE, Chem & Physics
Exercise Prescription and Mgmt		**		*			PE
Professional Studies		**					PE
Sport Coaching		*		*		*	PE
Sport Management							PE
Sport and Leisure Studies		**		*			PE
BE (HONS)	Chemistry	Biology	Physics	Statistics	Calculus	English Rich	Other
Chemical and Process Engineering	**		**		**		
Civil Engineering	**		**		**		
Computer Engineering			**		**		
Electrical and Electronic Engineering			**		**		
Forest Engineering	**		**		**		
Mechanical Engineering	**		**		**		
Mechatronics Engineering			**		**		
Natural Resources Engineering	**		**		**		
BSc Majors	Chemistry	Biology	Physics	Statistics	Calculus	English Rich	Other
Anatomy and Structural Biology	**	**		*			
Biochemistry	**	**		*			
Botany		**					
Chemistry	**		*	* or *	*		Year 12 Maths & Physics
Clothing and Textile Sciences	*	*		* or *	*	*	Social Sciences (History, Economics)
Computer Science				* or **	**	*	
Ecology		**		*			Geography, Sciences
Economics and Statistics				**	**	*	Economics
Electronics			**		**		DigiTech, Electronics
Energy Studies			**		**		
Food Science	**	**	*	*	*		Business Studies
Forestry		*		*			Year 12 Chemistry
Genetics	**	**		* or *	*		
Geography				**			Geography, Sciences
Geology	*		*	* or **	**		Geography, Sciences
Human Nutrition (Dietetics)	**	**		**		*	
Information Science				* or *	*	*	DigiTech
Land Planning and Development			*	*	**	*	Geography
Mathematics				**	**		DigiTech

Microbiology	**	**					
Neuroscience	**	**	*	*			
Pharmacology	**	**					
Physics			**		**		
Physiology	**	**	*				
Plant Biology	**	**					
Psychology		**		**		*	
Statistics				**	or **		
Survey Measurement			*	*	**	*	Geography
Vet Science	**	**	**	**	**		
Zoology		**		**			
<b>BAppSci Majors</b>	<b>Chemistry</b>	<b>Biology</b>	<b>Physics</b>	<b>Statistics</b>	<b>Calculus</b>	<b>English Rich</b>	<b>Other</b>
Applied Geology	*		*	* or **			Geography, Sciences
Aquaculture and Fisheries	**	**		** or *			Geography, Sciences
Computational Modelling			*	*	**		Computer Studies
Energy Management			**		**		
Environmental Management		*		** or **			Geography, Sciences
Consumer Food Science		**		* or			Home Economics, Business Studies
Forensic Analytical Science	**	**	*	** or *			
Geographic Information Systems				* or **			Computer Studies, Geography
Molecular Biotechnology	**	**		*			
Software Engineering				*	**		Computer Studies
Sport and Exercise Nutrition	**	**		*			PE
Telecommunications			**	* or **			Computer Studies
Clothing and Textile Science	*	*		* or *			History, Economics, Tech
BSci Human Nutrition	**	**		**		*	
<b>BComm Majors</b>	<b>Chemistry</b>	<b>Biology</b>	<b>Physics</b>	<b>Statistics</b>	<b>Calculus</b>	<b>English Rich</b>	<b>Other</b>
Accounting				**	*	*	Accounting
Economics				**	**	*	Economics
Economics and Statistics				**	**	*	Economics
Finance				**	**	*	Accounting, Economics
Information Science				**	*	*	Computer Studies, Accounting
International Business				**	*	*	Economics, a language
Management				**		*	Business Studies
Marketing Management				**		*	Business Studies
Tourism				**		*	Geography, Tourism
<b>Other Specialist Degrees</b>	<b>Chemistry</b>	<b>Biology</b>	<b>Physics</b>	<b>Statistics</b>	<b>Calculus</b>	<b>English Rich</b>	<b>Other</b>
ARB (BA)						**	
Architecture			*	*	*		Art and Graphics
Fine Arts (BFA)						*	Visual Art, Design, Painting, Art History
Law (LLB)						**	Drama
Music (MusB)						*	Music
Social Work (BSW)						**	
Speech and Language Therapy (BSLT)		**		*		*	Science L2
Surveying (BSurv)			*	*	**	*	Geography, Computer Studies
Teaching (Primary) (ECE)						*	Yr 12 English, Maths & Science
Teaching (Secondary)						*	Focus on possible teaching
Theology (BTheol)						*	Social Sciences

# UNIVERSITY ENTRANCE

TO GAIN

STUDENTS  
MUST ACHIEVE

## NCEA LEVEL 3

PLUS  
14 LEVEL 3 CREDITS  
In An Approved Subject

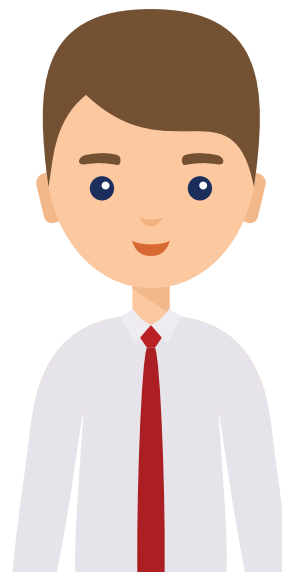
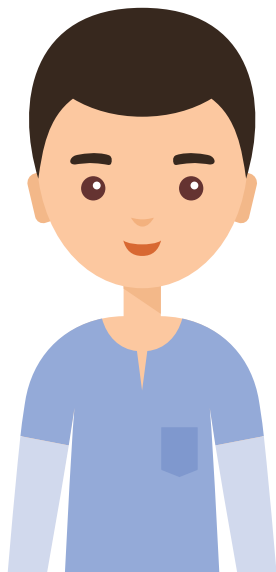
PLUS  
14 LEVEL 3 CREDITS  
In An Approved Subject

PLUS  
14 LEVEL 3 CREDITS  
In An Approved Subject

PLUS  
10 LEVEL 1 CREDITS  
Numeracy Credits

PLUS  
5 LEVEL 2 CREDITS  
Reading Credits

PLUS  
5 LEVEL 2 CREDITS  
Writing Credits



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