



Mackenzie College
SENIOR STUDENT OPTIONS
2020

CONTENTS

INTRODUCTION	2
NCEA	3
University Entrance (Year 13)	4
Choosing Your Subjects	5
SENIOR COURSES 2020	7
ART Miss Rachel Thompson	8
ENGLISH Mr Anjee Taynee	11
MATHEMATICS Mrs Susan Fox	14
PHYSICAL EDUCATION Mr Ben Horne	16
SCIENCE Mr John Cruden	18
SOCIAL SCIENCES Mrs Jo Parke	24
TECHNOLOGY Mr Dave Hignett	28
CAREERS COURSES	33
DISTANCE COURSES	36

INTRODUCTION

There is information here to help you think about the courses you want to take in Years 11, 12 and 13 at Mackenzie College in 2020.

Deans and other staff will help you in the lead up to the start of 2020 using information about your career ideas and achievement to help find the best match for you.

You can see all the classes on offer and how they follow on from each other on page 9. The following pages give some details about each course.

The achievement information we look at first for Year 12 and 13 students, is your achievement in the previous year. The Mackenzie guideline for progression to the next year level in a subject is that a student is achieving well at their current level. This means a minimum of 14 credits at the level below and usually some merit or excellence level passes. Any student who does not meet the criteria will be discussing their options with the head of the learning area, and/or SLT, to assist with final decisions about courses.

NCEA

NCEA certificates are awarded at three levels. Eighty credits are needed for each certificate with 60 of these at or above the level of the certificate.

Level	Subjects Taken	Literacy & Numeracy Requirements for Certificate
1 (Year 11)	English Mathematics Science Three other subjects.	10 credits Literacy 10 credits Numeracy
2 (Year 12)	Five or six subjects	None
3 (Year 13)	Five or six subjects	None for Level 3 There is a UE Literacy requirement.

University Entrance (YEAR 13)

To be awarded UE you need all of the following:

- NCEA Level 3
- 14 Level 3 credits in each of 3 approved subjects
- UE Literacy - 10 credits at Level 2 and above, made up of:
5 credits in reading and 5 credits in writing. These credits are gained from specific standards in Level 2 English and other subjects such as Level 3 Economics and Biology). Students are encouraged to ensure they achieve UE literacy in Year 12.
- UE Numeracy - Level 1 Numeracy

Many courses at university now give preference to students with Merit and Excellence passes. Canterbury University offers guaranteed scholarships for students achieving endorsed certificates in Levels 2 and 3. The chances of being successful in scholarship and halls of residence applications are significantly increased by having Merit or Excellence Certificate Endorsements. You can find details of scholarships on university websites including www.canterbury.ac.nz/prospectus/merit . This trend is continuing as places become more limited.

Fees:

NCEA has no fees. This was changed in 2019.

Choosing Your Subjects

To help you develop as a lifelong learner, who is ready to learn new things you will need throughout your life, we urge you to challenge yourself in the courses you choose. In many cases, employers and tertiary institutions are looking for evidence that you are successful in learning and that you have a broad learning base to progress from.

Every student has their own unique needs and plans, sometimes they can be distracted by what others are choosing to do, or perceived easy options. Look at these three checkpoints to make sure you're choosing what's right for *you*. Here are some ideas to guide your thinking and discussions.

Find out what subjects you need for your future career possibilities

Already have some career ideas?

Find out the must-have or most useful subjects for each of your career ideas.

Still unsure what career would suit you?

- Remember, it's OK if you're unsure what you want to do in the future. Studying a broad range of subjects will keep your career options open.
- Choose what is challenging for you; don't do what is easy, keep a bit of pressure on yourself to achieve highly in challenging subjects. There is plenty of evidence that this helps you become a more effective learner.
- Keeping up with English, Mathematics and at least one Science subject is a good place to start.
- Get an interview with the Careers Teacher (Ms Clarke). She will ask you to do the CareersQuest at www.careers.govt.nz before she sees you.

It is important that you know the entry requirements for possible future careers. Use the Careers website, it has a great database of jobs, each job's prospects, and the training needed.

Think about the subjects you achieve well in

Ask yourself:

- Which subjects am I strongest in?
- What subjects do others say I am good at?

This is not an excuse *not* to challenge yourself; do the hardest thing you can within this strength.

Think about the subjects that you enjoy

What you enjoy doing inside and outside of school can help you choose what subjects to take. It is important to consider this, but it is not necessarily the most important factor.

Ask yourself:

- Which subjects do I like learning now?

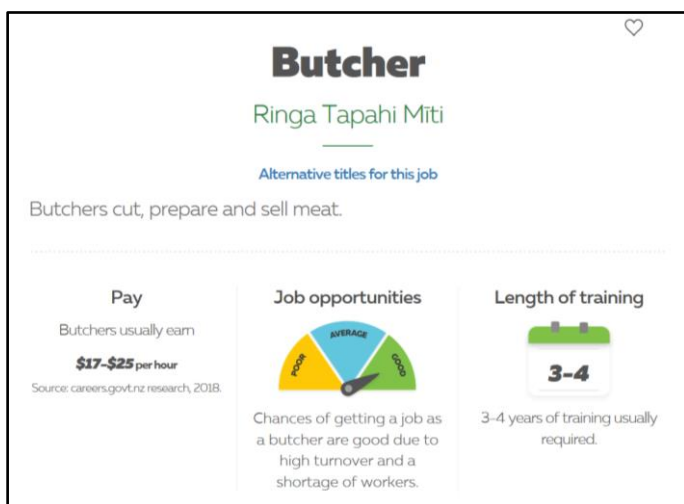
- What do I like doing outside school (e.g. playing music, helping people, thinking creatively)? Do any subjects include these activities?

Some further points to consider are listed below

- Generally, the higher the level of the qualification sought, the higher the school qualification required. To study at university towards a degree requires University Entrance.
- Careers such as trades, which have an apprenticeship or pre-trade training requirement, will often require English, Mathematics and a Science to Level 2, as well as some other subjects. Go to www.careers.govt.nz to check.
- In 2017 over 80% of school leavers had achieved L2 NCEA or better. There are likely to be many people with Level 2 competing for jobs as school leavers. You need to make sure your qualifications are as good or better than theirs.
- Dual Enrolment at Polytech and Gateway can help students to gain entry to apprenticeships and courses.
- Success in tertiary education is usually predicted by success at school – the higher your achievement levels at school, the higher the chances of success at polytech or university.

CareersNZ Website

Here you can take the “CareerQuest” to help you refine your career interests. There are a huge range of careers out there. Fortunately, there’s a job database at <https://www.careers.govt.nz/jobs-database>. On it you can discover what subjects you need at school, where you can get the skills you’ll need, and what chance you’ll have of getting a job.



This is a screenshot for the search on “butcher”, using the site’s job database.

We recommend opening an “account” on this site (it’s free). You can store results, get help with your cv there, plus many other things.

SENIOR COURSES 2020

Note that we cannot guarantee all subjects will run in 2020 at this stage (September 2019). Final decisions will be based on student choices and timetable arrangements.

Level 1	Level 2	Level 3 *UE Approved Subject
Visual Art	Visual Art Painting or Photography	Visual Art Painting or Photography*
English	English	English*
	Media Studies	Media Studies*
Mathematics	Mathematics	Mathematics*
Physical Education	Physical Education	Physical Education*
	Outdoor Education	Outdoor Education
Science	Physics	Physics*
	Chemistry	Chemistry*
	Biology	Biology*
Agriculture	Agriculture	Agriculture*
Social Sciences	Social Sciences	History*
		Geography*
Commerce	Commerce	Accounting*
		Economics*
	Agribusiness	Agribusiness*
Product Design	Product Design	Product Design*
Workshop Technology	Workshop Technology	Workshop Technology
Kitchen Technology	Kitchen Technology	Kitchen Technology
	Transition	Transition
	Gateway	Gateway
	Dual Enrolment (Ara)	Dual Enrolment (Ara)

COURSE OUTLINES

A very brief summary of information is provided here for each course. Students do have some choice within courses. This can include the topics and standards they will focus on and in some cases the types of assessment they will choose. Wherever possible teachers adjust courses for individual needs.

While a lot of work is on-line and printing is not always needed, students do need to have printing credits. Any courses where there is an extra high number needed list this.

Information about Vocational Pathways and Gateway for Years 12 and 13 and AgriLearn courses are listed at the end.

ART Miss Rachel Thompson

<i>Subject</i>	Level 1 Visual Art
<i>Course description</i>	In this course students will: <ul style="list-style-type: none"> • Research a variety of artists from established practice. • Explore a variety of drawing processes using a range of media. • Generate and develop ideas in making artworks which culminates in a two-panel folio for external assessment.
<i>Standards used for assessment</i>	Internally and externally assessed achievement standards.
<i>Likely course costs</i>	Materials \$60. Possible Arts Day trip \$12 Minimum of \$10 printing credits

Subject	Level 2 Painting
Course description	<p>In this course students will:</p> <ul style="list-style-type: none"> ● Investigate a range of painting processes and conventions. ● Research and document artist models. ● Generate and develop ideas using drawing processes and procedures in established painting practice. ● Produce a two-panel folio, based on individual themes, demonstrating an understanding of ideas and conventions within painting.
Standards used for assessment	Internally and externally assessed achievement standards.
Likely course costs	Materials \$60. Possible Arts Day trip \$12 Minimum of \$10 printing credits

Subject	Level 2 Photography
Course description	<p>In this course students will:</p> <ul style="list-style-type: none"> ● Investigate a range of photography conventions with a DSLR camera. ● Research and document artist models. ● Generate and develop ideas using drawing processes and procedures in established photography practice. ● Produce a two-panel folio, based on individual themes, demonstrating an understanding of ideas and conventions within photography.
Standards used for assessment	Internally and externally assessed achievement standards.
Likely course costs	Materials \$60. Possible Arts Day trip \$12 Minimum of \$10 printing credits USB and camera

*Printmaking may also be an option for some students, as a specialist subject at this level.

Subject	Level 3 Painting
Course description	<p>In this course students will:</p> <ul style="list-style-type: none"> • Research and analyse a range of painting conventions. • Investigate and use ideas and methods of established painters in the context of a drawing study. • Produce original paintings, based on an individual theme, in the form of a three-panel folio to show extensive knowledge of art-making methods and ideas.
Standards used for assessment	Internally and externally assessed achievement standards.
Likely course costs	<p>Materials \$60. Possible Arts Day trip \$12 Minimum of \$10 printing credits</p>

Subject	Level 3 Photography
Course description	<p>In this course students will:</p> <ul style="list-style-type: none"> • Research and analyse a range of photography conventions. • Investigate and use ideas and methods of established photographic practice. • Produce original photographs, based on an individual theme, in the form of a three-panel folio to show extensive knowledge of photographic methods and ideas.
Standards used for assessment	Internally and externally assessed achievement standards.
Likely course costs	<p>Materials \$60. Possible Arts Day trip \$12 Minimum of \$10 printing credits USB and camera Printing credits throughout the year.</p>

*Printmaking may also be an option for some students, as a specialist subject at this level.

ENGLISH Mr Anjee Taynee

Subject	Level 1 English
Course description	<p>In this course, students will:</p> <ul style="list-style-type: none"> • Explore themes, characters, and techniques used to create stories through books, poetry and film. • Create your own stories, speeches and visual texts through these powerful forms of self-expression. • Make connections related to themes and characters' actions and behaviours, between and across several texts.
Standards used for assessment	Internally and externally assessed standards.
Likely course costs	<p>\$10 printing credits. \$5 internal assessment wallet.</p>

Subject	Level 2 English
Course description	<p>This is an academic course which offers:</p> <ul style="list-style-type: none"> • A variety of standards but writing, research and reading responses are essential for UE literacy. • Oral presentations and connections studies around a variety of class texts. • The opportunity to create visual texts, either in the form of static images, vlogs, monologues or short films.
Standards used for assessment	Internally and externally assessed standards.
Likely course costs	<p>\$10 printing credits. \$5 internal assessment wallet.</p>

Subject	Level 3 English
Course description	<p>This is a Level 3 academic English Language and Literature course covering analysis of novels, poems, films, documentaries and short texts.</p> <p>You will research your own connections study, present a seminar and explore your own writing in different styles and for different purposes.</p>
Standards used for assessment	Internally and externally assessed standards.
Likely course costs	\$10 printing credits.

Subject	Level 2 Media Studies
Course description	<p>This course explores how and why media texts are created and enables students to then make their own media product. Most of the course is portfolio-based, where students plan, draft and create a media product. Media includes, but is not restricted to: video games, short films, documentaries, music videos, T.V series, vlogs, print (magazine and newspaper).</p> <p>In this course, students will:</p> <ul style="list-style-type: none"> ● Study the narrative structure of media texts. ● Explore conventions of media texts. ● Investigate issues in the media industry. ● Explore links between the media and societal contexts. ● Plan, develop and produce their own media text.
Standards used for assessment	Internally and externally assessed standards
Likely course costs	<p>At least \$10 printing credits.</p> <p>A storage device and a camera/phone.</p>

Subject	Level 3 Media Studies
Course description	<p>This course is a combination of media design and production of media text and academic study of key aspects of the media industry. The bulk of this course is around planning, developing and creating a media product, but also comprises academic study of media texts. Media includes, but is not restricted to: video games, short films, documentaries, music videos, T.V series, vlogs, print (magazine and newspaper).</p> <p>In this course, students will:</p> <ul style="list-style-type: none"> ● Study how societal trends and contexts influence the development in media over time. ● Explore a variety of readings of media texts. ● Research influences that have shaped the media industry and key genres. ● Plan, script, develop and produce their own media text.
Standards used for assessment	Internally and externally assessed standards
Likely course costs	<p>At least \$10 printing credits. A storage device and a camera/phone. A memory card.</p>

MATHEMATICS Mrs Susan Fox

Subject	Level 1 Mathematics
Course description	Students will follow a course of study suited to their individual strengths. They will study topics linked to a minimum of 5 standards including at least one external standard.
Standards used for assessment	Internally and externally assessed achievement standards.
Likely course costs	Helpful to have a graphical calculator. Work books up to \$35.

Subject	Level 2 Mathematics
Course description	Students will study a minimum of 5 topics for achievement standards including at least one external standards. Students need to be confident with algebraic manipulation for this course. Having passed either Linear Algebra and Tables Equations and graphs or the MCAT at level 1.
Standards used for assessment	Internally and externally assessed achievement standards.
Likely course costs	Must have a graphical calculator. Work books up to \$35.

Subject	Level 3 Mathematics
Course description	Students need to be confident with Level 2 Mathematics. This is a specialised course all students will follow an individualised programme with students studying branches of Mathematics suited to their future pathways. Workbooks will be per standard.
Standards used for assessment	A combination of Mathematics, Statistics and Modelling Internals and External Achievement Standard Assessment in either Calculus or Statistics. Students will follow a course of study suited to their individual strengths and be assessed accordingly.
Likely course costs	Must have a graphical calculator. Work books up to \$35.

PHYSICAL EDUCATION Mr Ben Horne

Subject	Level 1 Physical Education
Course description	This is a sports and outdoors course with theoretical components underpinning the practical activities. The modules include: theory and practice of training; learning about anatomy and physiology and how the body responds to exercise; movement quality and interpersonal skills, as well as responsibilities involved with participating in outdoor education and sports. Practical activities will probably include kayaking, an overnight camp, fitness training, half marathon, skiing and snowboarding all of Term 3, and video analysis of sports/outdoor activities.
Standards used for assessment	100% internally assessed achievement standards. Written assignments, tests and practical performance.
Likely course costs	Up to \$150 season pass for Mt Dobson with additional costs. Hire of skiing/snowboarding gear is your own responsibility.

Subject	Level 2 Physical Education
Course description	Students will study the science of sport through Physical Education, with a mix of practical and theory components. Theory work includes anatomy, exercise physiology, biomechanics, skill learning, principles and methods of training, communication and leadership, as well as safety and risk management in the outdoors. Practical activities will probably include a camp, fitness training, half marathon, skiing and snowboarding all of Term 3, organising a competitive sports event, and video analysis of sports.
Standards used for assessment	100% internally assessed achievement standards. Written assignments, tests and practical performance.
Likely course costs	Up to \$150 season pass for Mt Dobson recommended and additional costs on top of this. Hire of skiing/snowboarding gear is your own responsibility.

Subject	Level 3 Physical Education
Course description	This is a practical course focused on leadership and communication, practical sports performance, and training principles. It is designed in consultation with students and their areas of interest and ability. Practical activities will probably include a camp, fitness training, half marathon, skiing and snowboarding all of Term 3, organising a competitive sports event, and video analysis of sports.
Standards used for assessment	100% internally assessed achievement standards. Written assignments, tests and practical performance.
Likely course costs	Up to \$150 season pass for Mt Dobson recommended and additional costs on top of this. Hire of skiing/snowboarding gear is your own responsibility.

Subject	Level 2 Outdoor Education
Course description	This course includes a number of land and water based outdoor pursuits, with students gaining credits along the way. The course will develop students' knowledge and skills in kayaking/canoeing, tramping, rock climbing, mountain biking, alpine skills, cross country skiing and more. Most of the trips take place during afternoon double periods, which minimises the impact on other subjects. There will be a small amount of time out of school for the camps and trips and students are expected to catch up on missed work from other subjects. In 2019 we went on over 20 trips during double periods. There will be an application form for students to complete prior to successful placement in this course. This is due to the high level of personal responsibility and risk management required by students in this environment.
Standards used for assessment	A mixture of unit standard and achievement standards
Likely course costs	Up to \$500.

Subject	Outdoor Education Level 3
Course description	The next step up for students interested in all types of outdoor pursuits. The course will develop students' knowledge, skills, leadership and risk management in the following activities: kayaking/canoeing, tramping, rock climbing, mountain biking, alpine skills (crampons, ice axes, snow caving), skiing or snowboarding, and cross country skiing. Most of the trips take place during afternoon double periods which minimises the impact on other subjects. There will be a small amount of time out of school for the camps and trips and students are expected to catch up on missed work from other subjects. In 2019 we went on over 20 trips during double periods.
Standards used for assessment	A mixture of unit standard and achievement standards.
Likely course costs	Up to \$500.

SCIENCE Mr John Cruden

Subject	Level 1 Agriculture
Course description	In this course students will cover aspects of New Zealand primary production. The focus will be on management practices of soils and animals. You will be looking at the distribution of the farming practices throughout New Zealand and the impacts on the environment.
Standards used for assessment	Internally and externally assessed achievement standards.
Likely course costs	Workbook \$28.00.

Subject	Level 2 - 3 Agriculture
Course description	This course will focus on the agricultural science of the primary industries. You will learn about aspects of livestock and plant production. There will be the opportunity to carry out an extended practical investigation with a focus of your choice. This course is designed to cater for the academic person who has an interest in pursuing some avenue within the agriculture sector. Year 12 course is based mainly on aspects of agriculture inside the farm gate. The Year 13 course concentrates on a New Zealand-wide focus.
Standards used for assessment	Internally and externally assessed achievement standards.
Likely course costs	Up to \$100 mostly for trips.

Subject	Level 1 Science
Course description	<p>In this course students will:</p> <ul style="list-style-type: none"> • Cover aspects of chemistry, biology, physics and possibly either astronomy or geology. • Carry out practical investigations. • Explore scientific knowledge through research, practical work and book work. • Be provided with a suitable foundation for those students intending to further their education in science at higher levels.
Standards used for assessment	Internally and externally assessed achievement standards.
Likely course costs	Subscription to an online resource (Education Perfect) \$25.

Subject	Level 2 Biology
Course description	<p>In this course students will:</p> <ul style="list-style-type: none"> • Cover aspects of ecology, cell biology, genetics, evolution, plants and animals. • Carry out practical investigations. • Participate in a two-day field trip to Fox Peak to study mountain ecology.
Standards used for assessment	Internally and externally assessed achievement standards. Standards will be theoretical and practical based.
Likely course costs	Education Perfect \$25. Fox Peak field trip. \$70.

Subject	Level 3 Biology
Course description	<p>In this course students will:</p> <ul style="list-style-type: none"> • Broaden and deepen their understanding of Biology. • Learn about aspects of plant and animal responses, genetics, DNA technology and evolution, including human evolution. • Participate in a field trip to Portobello to work with post-graduate university students in a marine laboratory setting.
Standards used for assessment	Internal and external achievement standards.
Likely course costs	<p>Workbooks or Education Perfect registration – up to \$25</p> <p>Portobello Field Trip – approx. \$180.</p>

Subject	Level 2 Chemistry
Course description	<p>In this course students will:</p> <ul style="list-style-type: none"> • Cover aspects of the structures of chemicals, how they bond together and how they react together. • Use practical work to support their learning. • Have in depth understanding of how chemistry affects all things around us.
Standards used for assessment	Internal and external achievement standards.
Likely course costs	Subscription to an online resource (Education Perfect) approx. \$25.

Subject	Level 3 Chemistry
Course description	In this course students will: <ul style="list-style-type: none"> ● Build on the learning of Level 2 Chemistry. ● Cover aspects of physical, inorganic and organic chemistry. ● Complete an extended laboratory investigation which looks into chemistry in real life situations.
Standards used for assessment	Assessments will be a mixture of internal and external Achievement standards. Standards will be theoretical and practical based.
Likely course costs	Workbooks – up to \$35.

Subject	Level 2 Physics
Course description	In this course students will: <ul style="list-style-type: none"> ● Build on what is learned at Level 1, however the majority of the content is new. ● Cover aspects of radioactivity, mechanics, electricity and electromagnetism. ● Use practical work and research to allow you to apply your knowledge to new situations.
Standards used for assessment	Evenly weighted combination of internal and external achievement standards.
Likely course costs	Workbooks – up to \$30.

Subject	Level 3 Physics
Course description	<p>In this course students will:</p> <ul style="list-style-type: none"> ● Build on the understanding you have gained at Level 2 and introduce some new concepts. ● Cover aspects of wave properties, mechanics, electricity, electromagnetism and radioactivity. You will carry out practical work and research to support your learning, and also gain an understanding of some key experiments that have helped to shape how we view the universe.
Standards used for assessment	Evenly weighted combination of internal and external achievement standards.
Likely course costs	Workbooks – up to \$30.

SOCIAL SCIENCES Mrs Jo Parke

Subject	Level 1 Commerce
Course description	An introduction to economics and accounting. Economics gives students an introduction to the workings of the NZ economy. It focuses on how consumers, producers and the government interact. It looks at marketing strategies used by producers and ways to improve productivity. Accounting focuses on the processing of financial transactions for a small business and the financial statements that would be prepared.
Standards used for assessment	A mix of internal and external achievement standards
Likely course costs	\$20 for workbooks and Accounting paper. \$5 of printing credits.

Subject	Level 2 Commerce
Course description	Combines aspects of accounting and economics. Accounting focuses on the recording of financial transactions through to financial statements. Students will also do computer processing using MYOB, and study how businesses are aiming to be more sustainable. Economics will allow students to explore issues such as inflation and economic growth. Government policies in relation to social issues and sustainable development will also be studied.
Standards used for assessment	A mix of internal and external achievement standards.
Likely course costs	\$25 for workbooks. \$5 of printing credits.

Subject	Level 3 Accounting
Course description	Level 3 Accounting provides a foundation for the study of accounting at tertiary level. Students are introduced to accounting for partnerships, companies, manufacturing businesses and management control concepts.
Standards used for assessment	A mixture of internal and external achievement standards.
Likely course costs	\$25 for a workbook. \$5 of printing credits.

Subject	Level 3 Economics
Course description	Students will study the economic theory of marginal analysis, market equilibrium and market failure. Practical examples from the New Zealand economy are used to tie theory to reality and are analysed for the impact they have on the way the New Zealand economy functions. Some areas of study are consumer behaviour, price controls, taxes, subsidies, trade and the spillover costs of consumption.
Standards used for assessment	Internally and externally assessed achievement standards.
Likely course costs	\$25 for workbooks. \$5 of printing credits.

Subject	Level 1 Geography and History
Course description	This course is a mix of geography and history standards chosen to introduce students to the different aspects of each subject. Geography explores the relationship between people and the earth, where we will examine a global trend and a hypothetical event and its impacts. History explores what happened in the past and how that can impact on the future, through the study of significant local and international events.
Standards used for assessment	A mixture of internal and external standards which give students the opportunity to achieve 14 credits in each subject.
Likely course costs	\$18 for a workbook.

Subject	Level 2 Geography and History
Course description	Students will have the option to study from both subjects. Level 2 Geography includes the study of development and patterns around the world and the natural landscape of the South Island. Level 2 History includes significant historical events to New Zealand and even some famous conspiracy theories.
Standards used for assessment	A mixture of internal and external standards which give students the opportunity to achieve 14 credits in each subject. External examination selection will be based around the individual learners' strengths in these two subject areas.
Likely course costs	\$20 for a workbook.

Subject	Level 3 Geography and History
Course description	Students will have the option to study from both subjects. Level 3 Geography includes evaluating the organisation of a contemporary event, analysing a current global geographic issue, and conducting local geographical research. Level 3 History analyses significant events to New Zealand and around the world, to make critical and sound judgements based on historical evidence. This requires an academic focus around research and essay writing skills.
Standards used for assessment	A mixture of internal and external standards which give students the opportunity to achieve 15 credits in each subject.
Likely course costs	\$20-40 for a workbook(s), depending on which external examinations students choose to participate in.

Subject	Level 2 & 3 Agribusiness
Course description	This course will focus on decisions that primary businesses make and issues they face. Primary industries include agriculture, horticulture, forestry and fisheries. If students have an interest in businesses that are not directly related to primary industries, they can use this as a focus instead. At Level 2 students will study topics such as future proofing, business structures, cash flow forecasting and the influences that impact businesses. The Level 3 course will look at future proofing, innovation in the supply chain, capital expenditure options and human resource issues.
Standards used for assessment	A mixture of achievement standards from Agribusiness and Business Studies.
Likely course costs	Approximately \$50 depending on the topics studied and field trips.

TECHNOLOGY Mr Dave Hignett

Subject	Level 1 Product Design
Course description	<p>This is a new course aimed at students wishing to develop and make their own designs. Students will be able to select their area and media of study as well as work in their choice of areas of Technology to design and produce a product.</p> <p>You will follow a design procedure in order to identify a product, develop a design, then model and produce the product.</p> <p>You will be taught a range of different drawing, modelling and presentation methods as well as workshop tutorials.</p> <p>This course will be delivered by both technology teachers using all areas of technology.</p>
Standards used for assessment	Internally and externally assessed achievement standards.
Likely course costs	Materials \$100. Students may need to buy extra materials depending on their projects.

Subject	Level 2 Product Design
Course description	<p>This is a new course aimed at students wishing to develop and make their own designs. Students will be able to select their area and media of study or work in all areas of Technology to design and produce a product.</p> <p>You will follow a design procedure in order to identify a product, develop a design, then model and produce the product.</p> <p>You will be taught a range of different drawing, modelling and presentation methods as well as workshop tutorials.</p> <p>This course will be delivered by both Technology teachers using all areas of Technology</p>
Standards used for assessment	Internally and externally assessed achievement standards.
Likely course costs	Materials \$100. Students may need to buy extra materials depending on their projects.

Subject	Level 3 Product Design
Course description	<p>This is a new course aimed at students wishing to develop and make their own designs. Students will be able to select their area and media of study or work in all areas of Technology to design and produce a product.</p> <p>You will follow a design procedure in order to identify a product, develop a design, then model and produce the product.</p> <p>You will be taught a range of different drawing, modelling and presentation methods as well as workshop tutorials.</p> <p>This course will be delivered by both Technology teachers using all areas of Technology</p>
Standards used for assessment	Internally and externally assessed achievement standards.
Likely course costs	Materials\$100. Students may need to buy extra materials depending on their projects.

Subject	Level 1 Workshop Technology
Course description	<p>This course involves mainly practical based learning through working with tools, processing techniques and material and equipment evaluation. You will be taught appropriate aspects of health and safety, tool use and material manipulation skills. This course is suited to students wishing to pursue a career in the trades or who have an interest in learning practical skills.</p>
Standards used for assessment	Internally assessed unit standards.
Likely course costs	Materials for this course will cost approximately \$150.

<i>Subject</i>	Level 2 Workshop Technology
<i>Course description</i>	<p>This course builds on the skills learnt at level 1 and as such involves practical based learning through working with tools, processing techniques and material and equipment evaluation. You will be taught appropriate aspects of health and safety, tool use and material manipulation skills. This course is suited to students wishing to pursue a career in the trades or who have an interest in learning practical skills.</p> <p>In order to benefit from this course, you should have completed the level 1 course.</p>
<i>Standards used for assessment</i>	Internally assessed unit standards.
<i>Likely course costs</i>	Materials for this course will cost approximately \$170.

Subject	Level 3 Workshop Technology
Course description	This course builds on the skills learnt at Level 2 and as such involves practical based learning through working with tools, processing techniques and material and equipment evaluation. You will be able to choose a final year project to develop over the whole year. This course is suited to students wishing to pursue a career in the trades or who have an interest in learning practical skills. In order to benefit from this course, you should have completed the Level 2 course.
Standards used for assessment	Internally assessed unit standards.
Likely course costs	Materials for this course will cost approximately \$190.

Subject	Level 1 Kitchen Technology
Course description	This course involves mainly practical based learning through recipe and food product development; processing and cooking techniques; and kitchen skills development. You will be taught aspects of food preparation, cooking and presentation techniques; equipment use and hospitality industry skills. This course is suited to students wishing to pursue a career in hospitality, culinary arts, food design or who have an interest in developing practical cookery skills.
Standards used for assessment	Unit Standards and Internal Achievement Standards.
Likely course costs	Materials \$170.

Subject	Level 2 Kitchen Technology
Course description	This course follows on from Level 1, with a focus on further developing the skills learnt on the Level 1 programme. It involves mainly practical based learning through recipe and food product development; processing and cooking techniques; and kitchen skills development. You will be taught aspects of food preparation, cooking and presentation techniques; equipment use and hospitality industry skills. This course is suited to students wishing to pursue a career in hospitality, culinary arts, food design or who have an interest in developing practical cookery skills.
Standards used for assessment	Unit Standards and Internal Achievement Standards.
Likely course costs	Materials \$170.

Subject	Level 3 Kitchen Technology
Course description	This course follows on from Level 2, with a focus on refining the skills learnt on the Level 2 programme. It involves mainly practical based learning through recipe and food product development; processing and cooking techniques; and kitchen skills development. You will be taught aspects of food preparation, cooking and presentation techniques; equipment use and hospitality industry skills. This course is suited to students wishing to pursue a career in hospitality, culinary arts, food design or who have an interest in developing practical cookery skills.
Standards used for assessment	Unit Standards and Internal Achievement Standards.
Likely course costs	Materials for this course will cost approximately \$170.

CAREERS COURSES

AgriLearn - Mrs Adele O'Connor

Subject	Level 2 Agriculture Practical Skills - AgriLearn This is not a stand-alone course. Students who take this do so in addition to their other subjects. It combines well with Level 1 Agriculture.
Course description	<p>In this course students will cover: Health and Safety in farming; Practical fencing – tools; equipment and tying knots etc.; water supply; and motorbike and ATV safety and riding.</p> <p>This course is designed to give students an insight into the health and safety of farming and learning practical skills. It caters for students who have an interest and have had some experience on-farm including the opportunity to experience motorbikes and quad bikes.</p> <p>We have a limited number of vacancies and a selection process is followed. At this stage it is assumed that students will also be taking Level 1 Agriculture.</p> <p>Students will cover the theory of this course in class and the practical days will be run by AgriLearn (Washdyke). It also requires some time during 3DLE and possibly weekend time.</p>
Standards used for assessment	The unit standards will be assessed in two ways: Internally assessed for the theory unit standards, which will be in school. Practical unit standards partly assessed by AgriLearn and partly in school.
Likely course costs	This course has a fixed number of places which the school funds through the STAR budget. Students are expected to sign up and be committed to the whole year having checked out all key dates. There will be some costs for transport to Timaru.

TRANSITION Ms Kerensa Clark

Subject	Level 2 and 3 Transition
Course description	There is a focus on developing work-readiness and study skills. Students will learn about job applications and cover letter development, interview techniques and personal financial management. Students in these courses generally have an industry or trade-based outlook for their future but would also suit students wishing to develop their personal transferable skills.
Standards used for assessment	Unit standards which are all internally assessed.
Likely course costs	No course costs.

Gateway Mr John Cruden

Subject	Level 2 and 3 Gateway
Course description	<p>Participants spend up to 20 school days a year in a workplace related to their career choice. All arrangements are made through the college. Students need to be prepared to catch up on work missed by being on work placement, plus study towards their industry standards.</p> <p>It is available for Y12 and 13 students. The students need to be well motivated with a genuine interest in pursuing a trade. There are limited places available and there is a selection process.</p>
Standards used for assessment	Unit standards which are all internally assessed. Some assessment is carried out by an appropriate industry group, and some assessment is in the workplace. Students are expected to pass 20 credits in total.
Likely course costs	No course costs. There may be associated transport costs.

DUAL ENROLMENT Ms Kerensa Clark

At the time of publishing this we can say there is possibility that we can arrange dual enrolment with Ara.

Subject	Level 2, 3 Dual Enrolment Programmes (Ara)
Course description	<p>Successful applicants attend Ara Institute one day per week, to complete training in a skills-based course. Available for Y12 and 13 students, this programme was called “Vocational Pathways” up until last year.</p> <p>Dual enrolment students need to attend Ara, in Timaru, for one day per week.</p> <p>Course content varies year to year, see Ms Clarke, or the Ara website, http://www.ara.ac.nz/study-options/Dual-Enrolment-Programmes. Check that the course you are interested in is available in Timaru.</p> <p>Students need to apply for a place in a course and placement is dependent on the outcome of an interview. Placement decisions are based on school records and your work readiness.</p>
Nature of assessment	Unit standards which are all assessed by Ara
Likely course costs	There are no course costs. There may be associated transport costs with an expectation that parents will be able to drive the students to Timaru on a roster basis.

DISTANCE COURSES

Distance education works well for students who are independent learners, so we have an application process for students in Years 12 and 13 who are wishing to enrol in a course. There are two main providers for distance learners.

NetNZ

NetNZ is a community of secondary and area schools located across the South Island that engages in eLearning. Schools enrol students in courses offered by NetNZ and schools across the Virtual Learning Network Community clusters.

Courses are taught by a eTeacher (who will be from a NetNZ 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 5-7 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. Students are provided with a netNZ email for communication with their teacher.

Each school has an eDean whose role is to support the students on site 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.

Netnz's commitment:

- All courses will be aligned with the New Zealand curriculum and NZQA requirements
- All schools will provide an on-site support person (eDean) for students
- All courses will be taught by a qualified and registered teacher from a school in NZ
- All courses will provide engaging, flexible learning using digital tools and resources blended with video conference tutorials

Why take an online course?

- The course/subject you want to take is not available in your own school
- The subject you want to take clashes with another timetabled class
- You want to develop your ability to self-manage your learning
- You want to experience a course that is fully online and enables you to interact with students across the country

What students need to consider

Learning online requires a change in thinking for students who are used to a structured lesson by lesson day. You need to learn how to manage your own time effectively and to direct your own learning. Students need to be able to take the initiative and ask the teacher, the eDean and other students for help when they need it. Learning online does not mean the absence of the teacher. In fact, because of the small number of students in a course, eTeachers can often provide more feedback than in a traditional classroom, but this feedback is usually not instant, and students need to go into the programme understanding this.

NetNZ courses come at a cost to the college receiving teaching from another school. Students need to be aware that, once committed, they are expected to complete the course they are enrolled in.

Current NetNZ Courses at <http://netnz.org/> - *click on the particular course to open the course outline. Unless indicated, all NCEA levels are available*

Correspondence School

The Correspondence School also provides courses for students. Each course works on a 'set' basis. 15 sets are generally equivalent to a year's work. A coordinating teacher helps students keep up to date. As well, individual teachers give assistance with specific subjects when appropriate. There are limitations and regulations about who they will accept.