



SOUTH OTAGO HIGH SCHOOL



Quality Education in a Supportive Community

2020 COURSEBOOK

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The following will be required:

1. Your intention of returning to school in 2020.
2. The subjects you plan on taking next year (if you meet the Course requirements).
3. The subjects you will take next year if you do NOT meet the required standard.
4. An indication of your likely career.

Understanding NCEA

Not sure how NCEA works? Find out how credits add up to qualifications, background to NCEA, how the system works, and what you can do as a parent?

What is NCEA?

Students' work is assessed internally and externally

- NCEA stands for National Certificate of Educational Achievement.
- NCEA is the national qualification system for New Zealand's senior secondary school students.
- It is made up of three certificates at Levels 1, 2 and 3 and usually studied in Years 11, 12 and 13.
- NCEA qualifications are part of the New Zealand Qualifications Framework (NZQF).

What is the NZQF?

The NZQF is a framework of nationally endorsed standards and qualifications. It is made up of 10 levels, with Level 1 the most basic qualifications and Level 10 the most complex. Qualifications are assigned to a level on the scale depending on the difficulty of the skills or knowledge learned.

Qualifications fit into the framework as follows:

- Levels 1-7 are national certificates.
- Levels 5-7 are national diplomas.
- Levels 7-10 are national degrees and postgraduate qualifications.

How does NCEA fit into the New Zealand Qualifications Framework?

NCEA is part of the New Zealand Qualifications Framework (NZQF). NCEA Levels 1, 2 and 3 are Levels 1, 2 and 3 of the NZQF. Secondary school students generally study at these levels. Levels 4 and above are usually studied after finishing school.

How do NCEA levels compare with School C etc.?

- NCEA Level 1 is usually studied in Year 11. It replaces School Certificate.
- NCEA Level 2 is usually studied in Year 12. It replaces Sixth Form Certificate.
- NCEA Level 3 is usually studied in Year 13. It replaces Bursary.
- The New Zealand Scholarship exams are usually studied in Year 13 but they are not part of NCEA. The Scholarship is a financial reward for top-performing students who intend to enter tertiary study. The Scholarship does not contribute towards a qualification.

Why was NCEA introduced?

- Under the old system, students' results were often scaled so only a certain number of students could pass. So some students would receive a fail grade regardless of how they performed. NCEA measures each student's learning against set standards, instead of comparing students and ranking them.
- Not all skills and knowledge can be assessed using tests and exams (e.g. fluency in foreign languages, competency in conducting science experiments). NCEA provides a range of assessment methods that are appropriate to the subject being assessed.

How is NCEA different from the old system?

NCEA allows students to work towards other qualifications on the New Zealand qualifications Framework at the same time as they are working toward their NCEA. For example, a student studying materials technology at school might also be working on the National Certificate in Elementary Construction Skills. So, they can earn NCEA credits and a national certificate at the same time.

How is work assessed?

Students' work is either externally or internally assessed.

- External assessment means that students sit for an external exam that is set and marked by the New Zealand Qualifications Authority (NZQA).
- Most external assessment will involve a national exam at the end of the year.
- Internal assessment refers to work that is set and marked by the school (e.g. essays, tests, experiments), but the marking is checked by independent moderators from the NZQA to make sure all schools are assessing work to the national standard.

How the System Works

What are credits?

Each Achievement Standard and Unit Standard is worth a certain number of credits. When a student achieves a standard, they earn the amount of credits that standard is worth.

A single Achievement Standard is usually worth three to four credits. A single school subject usually has five to eight Achievement Standards. Depending on the school, the usual number of credits needed per subject is 18 to 25.

How many credits are needed to earn NCEA?

To gain NCEA Level 1:

- Achieve 80 credits at any level (Level 1, 2 or 3).
- This must include a minimum of 10 credits in literacy and 10 in numeracy.

To gain NCEA Level 2:

- Achieve a minimum of 60 credits at Level 2 or above; and
- 20 credits at any level.
- This must include a minimum of 10 credits in literacy and 10 in numeracy.

To gain NCEA Level 3:

- Achieve a minimum of 60 credits at Level 3 or above; and
- 20 credits at Level 2 or above.
- This must include a minimum of 10 credits in literacy and 10 in numeracy.

To gain University Entrance

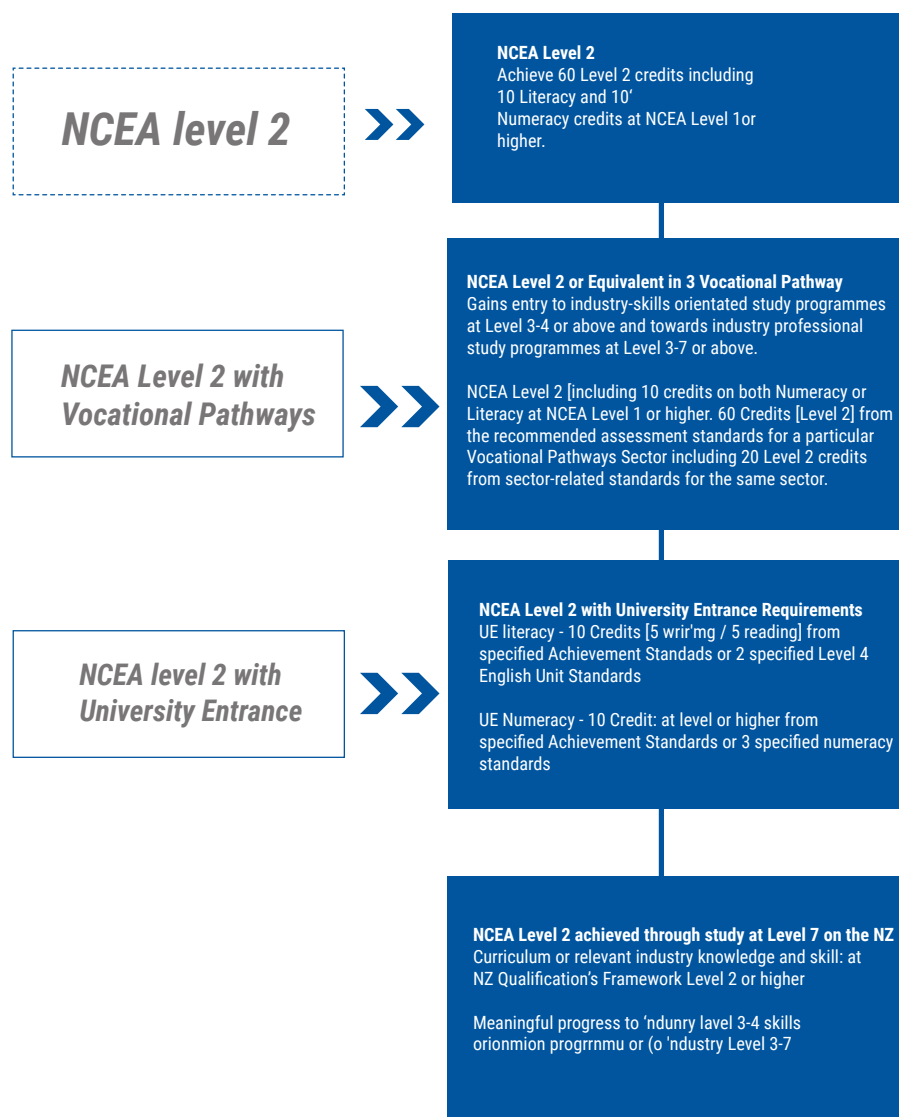
- Achieve NCEA Level 3 including
- 14 Credits in 3 approved subjects (please see www.nzqa.govt.nz for list)
- 10 Credits in Level 1 Numeracy
- 10 Credits in Level 2 Literacy (5 reading, 5 writing)

HOW TO GAIN UNIVERSITY ENTRY SCORE

Approved Subject (best 24 credits per subject)	Excellence Credits (x4)	Merit Credits (x3)	Achieved Credits (x2)	
English	8	6	6	
Statistics		6	10	
Chemistry	4	4	16	
History		10	10	
Geography			24	
SubTotals	12	26	66	
Best 80 Credits	12	26	42	Rank Score
Points Score	(x4) 48	(x3) 78	(x2) 84	210

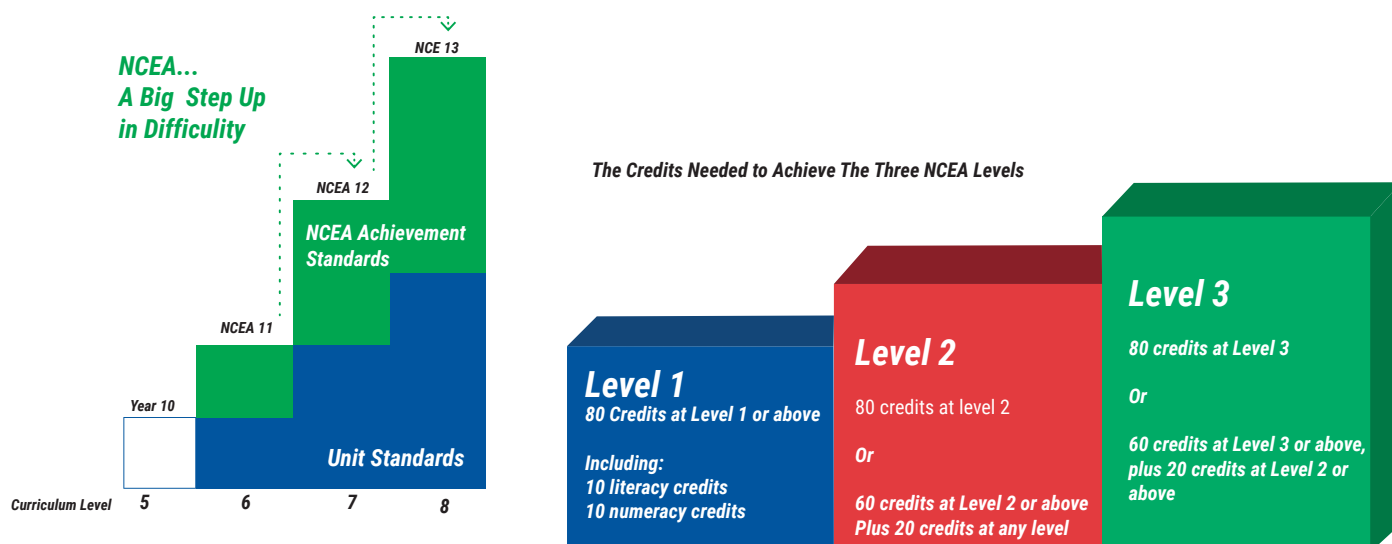
An up to date list of the approved domains can be found on the NZQA website. <http://www.nzqa.govt.nz/ncea/acrp/secondary>

The “Different” NCEA Level 2’s



Years and Curriculum Levels

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What are standards? What's the difference between Achievement Standards (AS) and Unit Standards (US)?

Standards describe particular skills or knowledge within an area of study (e.g. English or Maths). Students gain NCEA and other qualifications by working towards a combination of Achievement Standards and Unit Standards.

- Achievement Standards are gained from studying traditional curriculum subjects. Depending on their performance, students may gain Achievement Standards with either 'Achieved', 'Achieved with Merit' or 'Achieved with Excellence'.
- Unit Standards are gained from studying towards traditional curriculum subjects as well as vocational subject areas (e.g. tourism or hairdressing). Students are awarded Unit Standards on an 'Achieved' (pass) or 'Not Achieved' (fail) basis.

What are 'Merit' and 'Excellence' Endorsements?

Merit and Excellence endorsements are ways to recognise students who have achieved outstanding results. You can gain a Merit or Excellence endorsement for individual Achievement Standards, or for an individual NCEA course or certificate.

What is needed to gain a 'Merit' or 'Excellence' grade for an Achievement Standard?

This will vary depending on the subject. However, as a general guide:

- 'Achieved' means that the student has gained the achievement standard by demonstrating elementary level skills or knowledge
- 'Achieved with Merit' means that the student has gained the achievement standard by demonstrating intermediate level skills or knowledge
- 'Achieved with Excellence' means that the student has demonstrated highly developed skills or knowledge.

Here are some examples of achievement criteria for some of the Achievement Standards for Biology, History and Graphics at various NCEA levels:

	Achieved	Achieved with Merit	Achieved with Excellence
Level 2 biology	Describes biological concepts and processes	Explains biological concepts and processes	Discusses biological concepts and processes
Level 3 history	Demonstrates an understanding of an historical idea	Demonstrates an informed understanding of an historical idea	Demonstrates an informed and perceptive understanding of an historical idea
Level 3 graphics	Plans and produces a presentation to communicate design ideas	Plans and produces an effective presentation to communicate design ideas	Plans and produces an effective, high quality presentation to communicate design ideas

What is needed to gain a 'Merit' or 'Excellence' grade for a course?

To gain a 'Merit' or 'Excellence' grade for an individual course or subject, you need to achieve 14 or more merit or Excellence credits in that course within a single year.

For example, to gain 'NCEA Level 2 English with Excellence', you would have to gain enough Level 2 English Achievement Standards at Excellence level to add up to 14 or more credits.

At least 3 of these credits need to be from externally assessed Achievement Standards, and 3 credits from internally assessed Achievement Standards.

What is needed to gain a 'Merit' or 'Excellence' grade for an NCEA certificate?

To gain a 'Merit' or 'Excellence' grade for an NCEA certificate you need to gain 50 or more credits at Merit or Excellence in one particular NCEA level.

For example, to gain 'NCEA Level 2 with Excellence', you would have to gain enough Level 2 Achievement Standards at Excellence level to add up to 50 or more credits.

For more information on NCEA levels, certificates and Merit and Excellence standards, visit the NZQA website.

NZQA website - information on NCEA levels and certificates www.nzqa.govt.nz

I still don't understand how NCEA actually works! How do I put all this together?

A student will typically begin working for their NCEA in their third year of secondary school (Year 11).

They will no longer be awarded a single grade for a subject. Instead, each subject is now divided into pieces of skills and knowledge called standards (Unit Standards or Achievement Standards). The standards clearly set out what a student needs to be able to demonstrate to achieve that particular standard.

Each standard has a certain number of credits. When a student receives an 'Achieved' for a standard, they will have earned credits towards their NCEA. (See above for how many credits are needed to pass NCEA Levels 1, 2, and 3, and to enter university.)

This system allows a student to work towards an industry qualification as well as NCEA while still at school, as the credits they earn for an NCEA level may also be counted towards a national certificate of the same level.

New Zealand Qualifications Authority website - more information on NCEA www.nzqa.govt.nz

Find out more about careers New Zealand website www.careers.govt.nz

Curriculum Overview 2020

Learning Areas	Year 9 Courses	Year 10 Courses
English	English ESOL Literacy	English ESOL Literacy
Mathematics	Mathematics	Mathematics
Science	Science	Science
Social Sciences	Social Studies	Social Studies
Physical Education and Health	Health Physical Education	Health Physical Education
Technology	Materials Technology Food Technology	Food Technology Digital Technology Graphics Materials Technology
Arts	Art Performing Arts Mandarin Te Reo Māori	Performing Arts Te Reo Māori
Business Studies		Business Studies
Ready to Work		
<p><i>This information is correct as at July 2019</i> <i>Bold Type indicates a subject students have to take (Core)</i> <i>Other subjects are Options that students may choose to take. Please be aware that English proficiency and course entry criteria exists for all courses.</i></p>		

Year 11 Courses	Year 12 Courses	Year 13 Courses
English ESOL Literacy	English ESOL Literacy	English ESOL
Mathematics	Mathematics	Mathematics – Calculus Mathematics - - Statistics and Modelling
Science	Biology Chemistry Physics	Biology Chemistry Physics
Geography History	Geography History	Geography History
Physical Education	Physical Education Outdoor Education	Physical Education Outdoor Education
Building Technology Hospitality Graphics Digital Technology Soft Materials Technology Design & Manufacturing Technology	Digital Technology Hospitality Graphics Design & Manufacturing Technology Building Technology Soft Materials	Digital Technology Hospitality Graphics Design & Manufacturing Technology Building Technology Soft Materials
Art Music Drama Te Reo Māori	Art Music Drama Te Reo Māori	Art Music Drama Te Reo Māori
Commerce	Accounting Economics	Accounting Economics
	Ready to Work Gateway	Ready to Work Gateway

Choosing School Subjects

Here are some tips to help you make a decision about what school subjects to choose.

Know your options

Here at South Otago High School we offer a number of different options such as Technology, Catering, Graphics and Languages just to name a few. Some of the options you can take may vary depending on your timetable.

Think about your abilities and interests at school

What subjects are you good at or not so good at? What does this tell you about yourself? Are you a good writer, good with numbers, a practical person? Which subjects have you enjoyed studying? Which do you dislike and why?

Keep your career options open

Most people change their minds about what they want to do in the future. Your interests and abilities will change over time, or you might find out about new careers that you had never heard of before.

If you're unsure about what job you want to do, try to study a wide range of subjects at school. This will give you more options later on.

CHOOSING YOUR SUBJECTS

Consider:

- The subjects you are studying this year and your achievements so far. Talk to subject teachers if you have doubts about your ability to cope with the work
- Talk to your mentor about your choices
- Note any compulsory subjects and the band that your teacher recommends for you
- Select the optional subjects that interest you and you are good at
- Your possible career. Check out requirements and discuss these with Careers and Guidance staff
- Most scientific or engineering careers must include Mathematics, Physics and Chemistry
- Few science careers require Physics without Chemistry; or Biology without Chemistry
- Mathematics and English are needed for most careers
- Employers are more often interested in your results and attitude to work rather than the actual subjects chosen

Try to avoid choosing subjects for the wrong reason. It would be foolish to give too much weight to:

- Teachers you like or dislike
- The subjects your friends are planning to take
- Subjects you think might help you pass examination, but are not in your future career interests

Choosing School Subjects

Use this plan to help you decide which subjects to take in your next school year.

Step 1: Work out what subjects you enjoy:

Subjects I like doing now

Subjects I'm interested in doing next year that I haven't already studied

Subjects that include activities I like doing outside of school eg, *playing music, helping people, thinking creatively*

Step 2: Work out what subjects you are good at

Subjects I am strongest in

Subjects others say I'm good at

Step 3: Find out what subjects you need for your career ideas

Explore the Jobs database on the Careers New Zealand website to find out what subjects you need for your career ideas.

Career ideas	Subjects I need

NOTE

*Your choice of subject will be checked by senior staff.
If considered necessary, or where subject choice and career are at variance, an interview will be arranged.*

Looking for career ideas?

Use the interactive tools on the Careers New Zealand website to help you get some career ideas:

Subject Matcher – job ideas based on subjects you enjoy

Jobs by Interest – jobs that relate to areas of work you are interested in

CareerQuest – job ideas based on your interests

Skill Matcher – job ideas based on your skills

Still unsure about what career would suit you?

It's OK if you don't know what you want to do in the future. Studying a broad range of subjects will keep your career options open. Keeping up with English, Maths and at least one Science subject is a good place to start.

Talk it over

Talk about your subject choices with your parents and whānau, teachers and careers advisers.

Talk to Careers New Zealand advisers if you need more help.

Call 0800 222 733 or chat online.

Levels and Credits

Y11 Level 1 NCEA – working towards (80 -100 credits)

Y12 Level 2 NCEA – working towards (60 - 80 credits)

Y13 Level 3 NCEA – working towards (60 – 80 credits)

Please note: students can work at more than one Level in a year, depending on their previous year's grades e.g. Level 2 English but working at Level 1 Maths if they did not pass Maths in the previous year.

ENTRY TO LEVEL 1

Students may begin working on Level 1 credits in Year 10

ENTRY TO LEVEL 2

- To qualify for Level 2 you must have completed your Level 1 course
- In general, all subjects have entry requirements. Students should check with teachers to find out what these are
- Placement in Level 2 is at the discretion of the school
- You will be required to study six subjects
- English is highly recommended (refer to University Entrance requirements)

ENTRY TO LEVEL 3

- To gain entry to Level 3 you must have completed your Level 2 course *ie*: you must have attained approximately 16 credits or more in every subject in your Level 2 course.
- All academically focussed students take 5 subjects
- **Any subject can be selected, if it can be timetabled, staffed and there are sufficient numbers**
- Students aiming for tertiary study should study 5 subjects in Year 13
- Details on University Entrance requirements can be found on page 4

For more information please go to the Careers Services website: www.careers.govt.nz and click on the parents, family and whānau link

Here you will find interactive tools that will help you and your son with subject choices, where each subject can lead to and much more.

YEAR 10 OPTION SUBJECTS 2020

Graphics

The aim of the course is to develop creative drawing skills that can be used to find solutions to design problems. The key design skills taught include freehand sketching, Instrumental drawing and computer aided design. Students will engage with a range of skills based tasks and design projects that allows the communication of design ideas using a variety of subject specific contexts.

Contact Person: Mr Douglas

Soft Materials

The aim of the Year 10 Soft Materials Technology module is to actively engage students in developing understanding of the techniques and processes required to design and manufacture articles and garments from fabrics. Projects will give students the opportunity to be creative, independent learners and to explore functional and aesthetic aspects of textiles to ensure solutions meet their stakeholders' requirements.

Contact Person: Mr Douglas

Digital Technology

The aim of the Year 10 Digital Technology module is to actively engage students in exploring the various digital applications available. Students will develop a broad range of skills including presentation and design, word-processing and an introduction to programming. As a result of studying this course, students will be equipped to make appropriate use of and informed choices about information and software technology for their own interest and to enhance their future learning opportunities.

Contact Person: Mr Douglas

Food Technology

The aim of the Year 10 Food Technology module is to actively engage students in developing understanding of the technology and processes required to design, produce and serve high quality food products that meet Stakeholder requirements and following a brief. This provides students the opportunity to be creative, collaborative learners that explore related issues through a range of practical and theory based experiences.

Contact Person: Mr Douglas

Māori

Y10 Te Reo Māori is an introductory course to learning Maori. This course will be delivered by the Correspondence School and will involve online learning and video conferencing. Students need to be good at managing themselves and be independent learners.

Contact Person: Mr McDowall

Design & Manufacturing

The aim of this course is to expose students to new technologies used to create products and to strengthen their understanding of fitness for purpose. Computer Aided Design, Computer Aided Manufacture, Electronics and Robotics will be used in combination with traditional materials and processes to ensure students gain understanding of how technology enhances our ability to develop products from ideas into prototypes. This class is a pathway to Level 1 Building and DMT.

Contact Person: Mr. Douglas

Art

Year 10 Visual Art is a creative and inspiring practical class. During the course students are exposed to a variety of materials and different motivations to extend their practical knowledge. The course covers design, observational drawing, photography, painting, mixed media works and sculpture. The course prepares students for future Visual Art study at NCEA levels.

Contact Person: Mrs Williams

Business Enterprise

This course looks at how the business world around us works. This includes units about how people make choices, issues to do with work, employment and income. There is often a unit on "enterprise" where groups of students design, develop, cost and produce their own product for Market Day. Another unit looks at finances and how business accounts for finance. During the year students are challenged with a variety of activities such as

the “mystery box challenge” to make a product from a given set of items, holding a mock court case and competing to develop the best business from a given brief. The course leads on to Accounting and Economics in the senior school.

Contact Person: Ms Brown

Performing Arts

The Year 10 Performing Arts course offers students the opportunity to participate in Drama, Music and Dance activities. It is a creative course that enables students to be involved in individual and group tasks. This course prepares students for future studies of Music and/ or Drama for Level 1 NCEA

Contact Person: Mr Bertanees

Mandarin

Year 10 Mandarin is a language class that covers the basic listening, speaking, reading and writing skills of Chinese which can help students to communicate with others in Mandarin in daily life. Besides this, some traditional Chinese culture is also included. In a word, this course can help students know more about China and Chinese Culture.

Contact Person: Mr Douglas

Year 11 Courses 2020

Students are required to pick five subjects from the options below. Ensure the choices allow for 10 Literacy and 10 Numeracy credits to be gained

ARTS Level 1

VISUAL ART Level 1

Subject Visual Art	AS	Title	INT/ EXT	Cr	Li	N
ENTRY REQUIREMENTS: Have completed a Year 10 course in Visual Art or approved by HOD Visual Art COURSE DESCRIPTION: The course aims to further develop knowledge and skills using a variety of media throughout the year. QUALIFICATIONS TO BE GAINED: 22 NCEA Level 1 credits COSTS: \$50 for school materials/Portfolio Fees (\$40 Approx. for own paints and brushes)	1.2	Use drawing methods and skills for recording information using wet and dry media.	INT	4		
	1.3	Use drawing conventions to develop work in more than one field of practice.	INT	6		
	1.4	Produce a body of work informed by established practice, which develops ideas, using a range of media.	EXT	12		
11ART		Contact Person: Mrs Williams		22		

DRAMA Level 1

11 Drama	AS	Title	INT/ EXT	Cr	Li	N
ENTRY REQUIREMENTS: An interest in the performing arts. Year 10 drama preferred but not necessary. COURSE DESCRIPTION: The course aims to develop self-confidence, enable students to develop practical drama skills through participation and exploration in the arts. The course will also broaden an understanding of, and involvement in the arts. Through visits to local professional theatres students will develop analysis and appreciation of a performance QUALIFICATIONS TO BE GAINED: Level one drama COSTS: \$25 dollars per trip to the fortune theatre (Approx. 2 trips)	1.1	Theatre Techniques	INT	4	✓	
	1.2	Devised theatre	INT	5	✓	
	1.3	Theatre form	EXT	4	✓	
	1.4	Performance skills	INT	4	✓	
	1.5	Live theatre	EXT	4	✓	
11DRA		Contact Person: Mr Bertanees		21		

Music Level 1

Music	AS	Title	INT/ EXT	Cr	Li	N
ENTRY REQUIREMENTS: Year 10 Music, at least 1 year's tuition on chosen instrument or Performance audition and Music Theory knowledge. Or by permission/discussion of the Teacher in Charge. COURSE DESCRIPTION: Musical Knowledge – study of set works and score reading. Level 1 Literacy – students have the opportunity to follow an academic with practical, skilled, traditional endorsement course. Performance – solo on chosen instrument, maybe group performance. Composition – with use of Sibelius computer programme. QUALIFICATIONS TO BE GAINED: NCEA Music Achievement Standards Level 1 NCEA Music Unit Standards Level 1. Vocational Pathways Certificate Level 1 and Industry Endorsements. COSTS: Music Instrument Hire - \$50 (If Applicable)	1.1	Performance	INT	6		
	1.4	Composition	EXT	4		
	1.5	Score Reading	EXT	4	✓	
	1.6	Music Knowledge – Set Works	EXT	6	✓	
		Performance Groups	EXT	4		
	1.2					
CODE: 11MUS		Contact Person: Mr Bertanees				

Commerce Level 1

Commerce Level 1	AS	Title	INT EXT	Cr	Li	N
ENTRY REQUIREMENTS: Nil COURSE DESCRIPTION: This course introduces students to a range of Accounting and Economic concepts and skills. The course covers accounting for small business and the preparation of financial reports for both business and clubs. Students also learn about business resource usage, competition and production decisions. Students select from the range of standards available. QUALIFICATIONS TO BE GAINED: 19 – 23 Credits towards NCEA Level 1 COSTS: Nil	A1.2	Process financial information for a small entity.	INT	5		
	A1.3	Prepare financial information for sole proprietors.	EXT	5	✓	
	A1.4	Prepare financial information for a community organisation.	INT	4	✓	
	E1.2	Demonstrate understanding of decisions a producer makes about production.	INT	5	✓	
	E1.6	Demonstrate understanding of the interdependence of sectors of the New Zealand economy.	INT	3	✓	
	E1.5	Demonstrate understanding of a government choice where affected groups have different viewpoints.	INT	4	✓	
	E1.1	Demonstrate understanding of consumer choices, using scarcity and/or demand.	EXT	4	✓	
11 COM		Contact Person: Ms Brown				

ENGLISH AND LANGUAGES Level 1

Subject English Level 1	AS	Title	INT/EXT	Cr	Li	N
ENTRY REQUIREMENTS: Open entry COURSE DESCRIPTION: This flexible course develops student critical thinking and communication skills. Students will complete a core set of standards (reading responses, formal or creative writing, and oral presentation) and opt in to standards best suited to their interests and ability, to the total of approximately 18 credits. Students can develop proficiency in written, visual and/or creative strands. A thematic focus will enable students to develop a deeper understanding of issues impacting on themselves and our society. See https://sites.google.com/sohs.school.nz/english/home . QUALIFICATIONS TO BE GAINED: Credits towards NCEA Level 1 NCEA Literacy COSTS: N/A	1.1	Show understanding of specified aspect(s) of studied written text(s), using supporting evidence	EXT	4	✓	
	1.2	Show understanding of specified aspect(s) of studied visual or oral text(s), using supporting evidence	EXT	4	✓	
	1.3	Show understanding of significant aspects of unfamiliar written text through close reading using supporting evidence	EXT	4	✓	
	1.4	Produce creative writing	INT	3	✓	
	1.5	Produce formal writing	INT	3	✓	
	1.6	Construct and deliver an oral text	INT	3		
	1.7	Create a visual text	INT	3	✓	
	1.8	Explain significant connection(s) across texts, using supporting evidence	INT	4	✓	
	1.10	Form personal responses to independently read texts, supported by evidence	INT	4	✓	
11ENG		Contact Person: Ms Smith				

Subject English Level 1 Vocational English	US/AS	Title	INT/EXT	Cr	Li	N
ENTRY REQUIREMENTS: Open entry COURSE DESCRIPTION: This flexible course develops students communication skills for the workplace. Students will complete a core set of standards for literacy credits and opt into standards best suited to their interests and ability, to the total of approximately 18 credits. Vocational pathways tasks will be used, where possible, to develop links between assessment and career options. Visit: https://sites.google.com/sohs.school.nz/english/home . QUALIFICATIONS TO BE GAINED: Credits towards NCEA Level 1 NCEA Literacy COSTS: N/A	10792	Write formal personal correspondence	INT	3		
	3483	Fill in a form	INT	2		
	1.6	Construct and deliver an oral text	INT	3	✓	
		Create a visual text				
	1.7	Show understanding of visual and/or oral text(s) through close viewing and/or listening using supporting evidence	INT	3	✓	
	1.11	Explain significant connections across texts using supporting evidence	INT	3	✓	
	1293					
11VOCENG		Contact Person: Ms Smith				

ESOL – English for Speakers of Other Languages

ESOL	AS	Title	INT/EXT	Cr	Li	N
ENTRY REQUIREMENTS: This course is designed for students for whom English is a new language. COURSE DESCRIPTION: This course covers all modes of language learning: reading, writing, listening and speaking. The aim is to improve English literacy and fluency to support students to achieve in their other subject areas. Students may also work towards obtaining NCEA English Language credits. QUALIFICATIONS TO BE GAINED: Credits towards NCEA. English Language Unit Standards (level 1 – level 3) COSTS:		Individually tailored course				
CODE: ESOL		Contact Person: Mr Nicholson				

MATHEMATICS Level 1

Mathematics Statistics Level 1 A	AS	Title	INT/ EXT	Cr	Li	N
ENTRY REQUIREMENTS: HOD and Teacher recommendation and an average mark of at least 65% for Unit tests and also in the Year 10 School examinations. COURSE DESCRIPTION: This course will continue to develop skills, concepts and work habits for future pathways and the workplace. The 11 Math course forms a basis for 12MathsA. A possible course selection at standards is listed here. QUALIFICATIONS TO BE GAINED: Credits towards NCEA and Numeracy COSTS: \$14	1.1	Apply numeric reasoning in solving problems	INT	4		✓
	1.2	Apply algebraic procedures in solving problems (MCAT)	EXT	4		✓
	1.7	Apply right angled triangles in solving measurement problems	INT	3		✓
	1.10	Investigate a given multivariate data set using the statistical enquiring cycle	INT	4		✓
	1.12	Demonstrate understanding of chance and data	EXT	4		✓
11MATA		Contact Person: Mr Sibley				
Mathematics Statistics Level 1 B	AS	Title	INT/ EXT	Cr	Li	N
ENTRY REQUIREMENTS: HOD and Teacher recommendation and an average mark of under 35% for the Year 10 examinations and 40% average for Unit tests COURSE DESCRIPTION: This course will continue to develop skills, concepts, understanding and work habits for future pathways and the workplace. The course is designed for students wishing to do Year 12 Mathematics. This course forms the basis for Year 12 Maths B. A possible selection of standards is listed here QUALIFICATIONS TO BE GAINED: Credits towards NCEA and Numeracy COSTS: \$14	1.1	Apply numeric reasoning in solving problems	INT	4		✓
	1.5	Apply measurement in solving problems	INT	3		✓
	1.7	Apply right angled triangles in solving measurement problems	INT	3		✓
	1.10	Investigate a given multivariate data set using the statistical enquiry cycle	INT	4		✓
	1.12	Demonstrate understanding of chance and data	EXT	4		✓
11MATB		Contact Person: Mr Sibley				
Mathematics Level 1 C	AS	Title	INT/ EXT	Cr	Li	N
ENTRY REQUIREMENTS: HOD and Teacher recommendation and an average mark of at least 35% for the Year 10 examinations and 40% average for Unit tests COURSE DESCRIPTION: This course of Mathematics will focus on developing basic mathematics that are likely to be used in the workplace. This course is designed for those students who have found Year 10 mathematics very demanding. This course will not allow students to enter Year 12 Mathematics. A possible course selection of standards is listed here. QUALIFICATIONS TO BE GAINED: Credits towards NCEA and Numeracy COSTS: Nil	1.1	Apply numeric reasoning in solving problems	INT	4		✓
	1.5	Apply measurement in solving problems	1 INT	3		✓
	1.7	Apply right angled triangles in solving measurement problems	1 INT	3		✓
	1.10	Investigate a given multivariate data set using the statistical enquiry cycle	1 INT	4		✓
11MAT C		Contact Person: Mr Sibley				

PHYSICAL EDUCATION Level 1

Physical Education Level 1 A	AS	Title	INT/ EXT	Cr	Li	N
ENTRY REQUIREMENTS: Willingness to participate actively in a range of physical activities COURSE DESCRIPTION: This course will provide students with the opportunity to experience a wide range of physical activities. Students will investigate how the human body moves and responds in relation to performance in physical activity. Students will develop their interpersonal and self-management skills, as well as strategies to improve their performance in physical activities QUALIFICATIONS TO BE GAINED: Level 1 Literacy 10 Credits available 20 Credits towards NCEA Level 1 COSTS: Approx. \$30 Dunedin Trip	1.1	Participate actively in a variety of physical activities and explain factors that influence own participation	INT	5		
	1.2	Demonstrate understanding of the function of the body as it relates to the performance of a physical skill	INT	5	✓	
	1.3	Demonstrate quality movement in the performance of a physical activity	INT	3		
	1.5	Demonstrate interpersonal skills in a group and explain how these impact on others	INT	4	✓	
	1.9	Demonstrate self-management strategies and activities and describe the effect on participation in physical activity	INT	3	✓	
11PE A		Contact Person: Ms Bathgate				

Physical Education Level 1 B	AS	Title	INT/ EXT	Cr	Li	N
ENTRY REQUIREMENTS: Willingness to participate actively in a range of physical activities COURSE DESCRIPTION: Through this course, students will develop their self-management, participation and interpersonal skills in a range of physical activities and evaluate factors that influence their physical activity participation QUALIFICATIONS TO BE GAINED: 6 credits available towards Level 1 Literacy 15 Credits towards NCEA Level 1 COSTS: Approx. \$30 Dunedin Trip	1.1	Participate actively in a variety of physical activities and explain factors that influence own participation	INT	5		
	1.3	Demonstrate quality movement in the performance of a physical activity	INT	3	✓	
	1.5	Demonstrate interpersonal skills in a group and explain how these impact on others	INT	4		
	1.9	Demonstrate self-management strategies and describe the effects on participation in physical activity	INT	3	✓	
11PE B		Contact Person: Ms Bathgate				

SCIENCE Level 1

Science Level 1

Subject 11 General Science	AS	Title	INT/ EXT	Cr	Li	N
ENTRY REQUIREMENTS: By arrangement COURSE DESCRIPTION: This course is for pupils wishing to study two or more Science subjects at L2. It covers all three specialist subjects and involves a mix of internal and external assessments. The standards covered include the pre-requisites for L2 Physics, L2 Biology and L2 Chemistry. The standards listed may be changed at the discretion of the teacher in consultation with pupils. QUALIFICATIONS TO BE GAINED: 20 L1 Credits	1.1 (SCI)	Demonstrate understanding of aspects of acids and bases	EXT	4		
	1.5	Demonstrate understanding of aspects of mechanics	EXT	4		
	1.1 (CHE)	Carry out a practical chemistry investigation, with direction	INT	4		✓
	1.1 (PHY)	Carry out a practical physics investigation that leads to a linear mathematical relationship, with direction	INT	4		✓
	1.10 (SCI)	Carry out a practical biology investigation with direction in a	INT	4		✓
11GSC		Contact Person: Mr Swallow				

SOCIAL SCIENCES

GEOGRAPHY Level 1

11 GEOGRAPHY	AS	Title	INT/ EXT	Cr	Li	N
ENTRY REQUIREMENTS: Nil but students should discuss the suitability of this course with their Year 10 Social Studies teacher. COURSE DESCRIPTION: Geography is about understanding the world around you and why things are like they are. The contexts used could be local, national or global. The topics covered in Year 11 includes: Skills, 1080, Weather research, Sustainability and the use of Geographic Information Systems. QUALIFICATIONS TO BE GAINED: 20 credits towards NCEA. (3 of these credits are offered at Year 10) COSTS: Stewart Island Field Trip –(\$250 in 2019)	1.3	Demonstrate geographic understanding of the sustainable use of an environment.	INT	3		
	1.4	Apply concepts and basic geographic skills to demonstrate understanding of a given environment.	EXT	4	✓	
	1.5	Conduct geographic research with direction.	INT	4		✓
	1.6	Describe aspects of a contemporary Geographic issue	INT	3		✓
	1.7	Describe aspects of a geographic topic at a global scale. (Offered in Year 10)	INT	3	✓	✓
	1.8	Apply spatial analysis, with direction, to solve a geographic problem.	INT	3	✓	
11GEO		Contact Person: Mr Beeby				

HISTORY Level 1

11 HISTORY	AS	Title	INT/ EXT	Cr	Li	N
ENTRY REQUIREMENTS: Nil but students should discuss the suitability of this course with their Year 10 Social Studies teacher. COURSE DESCRIPTION: The focus of this course will be around major developments in New Zealand History in the 1900s. Some of the key ideas that we focus on are conformity, collective security, change and challenges. The events studied include: WW1, The Great Depression, WW2, Korean/Vietnam War and the 1981 Springbok Tour and New Zealand Anti-Nuclear stance QUALIFICATIONS TO BE GAINED: 20 credits towards NCEA COSTS: Nil	1.1	Carry out an investigation of an historical event, or place, of significance to New Zealanders.	INT	4	✓	
	1.2	Demonstrate understanding of an historical event, or place, of significance to New Zealanders.	INT	4	✓	
	1.4	Demonstrate understanding of different perspectives of people in an historical event of significance to New Zealanders.	INT	4	✓	
	1.5	Describe the causes and consequences of an historical event.	EXT	4	✓	
	1.6	Describe how a significant historical event affected New Zealand society.	EXT	4	✓	
11HIS		Contact Person: Mr Palmer				

TECHNOLOGY Level 1

BUILDING Level 1

Building level 1	US/AS	Title	INT/ EXT	Cr	Li	N
ENTRY REQUIREMENTS Successful completion of year 10 materials course and/or a genuine interest in the building/ manufacturing industry COURSE DESCRIPTION: The BUILDING Technology course is a vocational based learning opportunity. The course aims to provide students with the initial skills and knowledge to enter any sector in the construction industry. The qualification covers skills in the quality standards, workshop procedures, job specifications, health and safety, materials knowledge (including timber and metal), hand tools and power tools. QUALIFICATIONS TO BE GAINED: ITO certificate at Level 1 – Industry and NZQA recognised qualification. COSTS: \$80 for take home components from practical projects	US25920	Use joints for a BCATS project	INT	3		
	US25919	Use hardware and fastenings for a BCATS project	INT	2		
	US24356	Apply elementary workshop procedures and processes for a BCATS project	INT	8		
	US12932	Construct timber garden furniture and items of basic construction equipment as a BCATS project	INT	8		
11BTC		Contact: MrDouglas				

DESIGN AND VISUAL COMMUNICATION Level 1

Subject	US	Title	INT/ EXT	Cr	Li	N
ENTRY REQUIREMENTS: Successful completion of year 10 design course and/or a genuine interest in the design industry COURSE DESCRIPTION: The course encourages students to develop various product designs through the use of freehand sketching and formal technical drawings such as pictorial and orthographic. Enhancement of drawings by rendering to allow them to be presented to a group will be developed to promote student projects. The introduction of Computer Aided Design and 3D printing will ensure students gain the contemporary design skills required. QUALIFICATIONS TO BE GAINED: Credits towards NCEA COSTS: \$50 for take home graphics pack	1.3	Produce freehand sketches to communicate own design ideas	EXT	3		
	1.31	Use instrumental, multi-view orthographic drawings that communicate technical features of design ideas	EXT	3		✓
	1.32	Use instrumental paraline drawings to communicate design ideas	EXT	3		✓
	1.33	Produce rendering techniques to communicate the form of design ideas	INT	3		
	1.35	Demonstrate development of own design ideas communicated through graphics practice	INT	6		
	1.36	Promote an organised body of design work to an audience using visual communication techniques.	INT	4	✓	
11GRA		Contact: Mr Douglas				

DESIGN & MANUFACTURE TECHNOLOGY Level 1

Design and Manufacture Technology Level 1	US/AS	Title	INT/EXT	Cr	Li	N
ENTRY REQUIREMENTS Level 5 achieved during year 10 Technology an advantage COURSE DESCRIPTION: To offer students the opportunity to learn about, and to improve their knowledge and skills in the field of materials using an engineering focus QUALIFICATIONS TO BE GAINED: NCEA Level 1 Credits COSTS: A subject fee of \$100.00 is payable by the end of February. Stationery needs to be supplied by the student.	AS91057	Implementation of basic procedures using resistant materials to make a specified product.	INT	6		
	US22923	Demonstrate basic engineering workshop skills under close supervision.	INT	12		
	US2395	Demonstrate and apply knowledge of the selection, use, and care of engineering hand tools.	INT	4		
11DMT		Contact: Mr Douglas				

DIGITAL TECHNOLOGY Level 1

Digital Technology Level 1	US/AS	Title	INT/EXT	Cr	Li	N
ENTRY REQUIREMENTS Successful completion of year 10 digital technologies course and/or a genuine interest in the ICT industry COURSE DESCRIPTION: Students taking Digital Technologies will learn not only how to use computers, but how the computers themselves function. Understanding in the area of programming (using JavaScript, HTML & CSS), Hardware design/implementation and Human Computer Interactions will be explored. QUALIFICATIONS TO BE GAINED: NCEA Credits COSTS: N/A	AS91877	Develop a proposal for a digital outcome	INT	3		
	AS91880	Develop a digital media outcome	INT	4		
	AS91882	Develop a computer system	INT	4		
	AS91883	Develop a computer program	INT	4		
	AS91886	Demonstrate understanding of human computer interaction	EXT	3		
11DGT		Contact: Mr Douglas				

HOSPITALITY Level 1

Subject : 11 HOS	US	Title :	INT/ EXT	Cr	Li	N
ENTRY REQUIREMENTS: An interest in cookery as a possible career pathway. COURSE DESCRIPTION: This course will offer Foundation training skills around Food Safety and Cookery. QUALIFICATIONS TO BE GAINED: NCEA Level 1 credits COSTS: A subject fee of \$100.00 is payable by the end of February. Additional consumable items will apply to each student. Stationary will need to be supplied by the student.	21058	Identify career pathways in the hospitality industry.	INT	2		
	15900	Prepare and present meat in the hospitality industry.	INT	4		
	19770	Prepare and present egg and cheese dishes in the hospitality industry.	INT	2		
	15901	Prepare and present fruit and vegetables in the hospitality industry.	INT	3		
	21059	Demonstrate knowledge of knife care, use, storage and carrying for the hospitality industry.	INT	2		
	15920	Prepare and present sauce and soup in the hospitality industry.	INT	2		
	15919	Prepare and present hot finger food in the hospitality industry.	INT	2		
	20157	Prepare, construct, and garnish mocktails for the Hospitality industry	INT	2		
11HOS		Contact Person: Mr Douglas				

SOFT MATERIALS Level 1

Year 11 Soft Materialst	AS	Title	INT/ EXT	Cr	Li	N
ENTRY REQUIREMENTS: Successful completion of Year 10 Technology or consultation with HOD. COURSE DESCRIPTION: The course aims to develop understanding of all aspects of textiles, fashion and design. Students are challenged to explore a wide variety of materials to meet design needs and in doing so develop their practical skills in <i>textiles, fashion and design</i> . QUALIFICATIONS TO BE GAINED: NCEA Level 1 Credits COSTS: \$80	1.4	Undertake development to make a prototype to address a brief.	1NT	6		
	1.26	Make basic adaptations to a pattern to enable a design to fit a person or item.	1NT	4		
	1.21	Implement basic procedures using textile material to make a specified product.	1NT	6		
	1.5	Demonstrate how technological modelling supports decision-making (External)	EXT	4	√	
11TSM		Contact Person: Mr Douglas				

Year 12 Courses 2020

Students are required to pick five subjects from the options below. Please ensure you meet the entry requirements

ARTS Level 2

ART – VISUAL Level 2

Subject Visual Art (Painting)	AS	Title	INT/ EXT	Cr	Li	N
ENTRY REQUIREMENTS: Have completed a NCEA Level 1 course in Visual Art or approved by HOD Visual Art COURSE DESCRIPTION: This course aims to further develop knowledge and skills specific to the Painting medium throughout the year. Students will develop their own individual art investigation QUALIFICATIONS TO BE GAINED: 20 NCEA Level 2 credits to be gained COSTS: \$50 Portfolio Fee (\$40 Approx. for own paints and brushes)	2.2	Use drawing methods to apply knowledge of conventions appropriate to painting.	INT	4		
	2.3	Develop ideas in a related series of drawings appropriate to established painting practice.	INT	4		
	2.4	Produce a systematic body of work that shows understanding of art making conventions and ideas within painting.	EXT	12		
12ART		Contact Person: Mrs Williams				

DRAMA Level 2

12 Drama	AS	Title	INT/ EXT	Cr	Li	N
ENTRY REQUIREMENTS: An interest in the performing arts/ preferably year 11 drama. A minimum of 12 credits in level 1 drama or, under exceptional circumstances, at the discretion of the teacher COURSE DESCRIPTION: The course aims to develop self-confidence, enable students to develop practical drama skills through participation and exploration in the arts. The course will also broaden an understanding of, and involvement in the arts. Through visits to local professional theatres students will develop analysis and appreciation of a performance. Students will explore writing scripts for a live audience. QUALIFICATIONS TO BE GAINED: Level two Drama COSTS: \$25 dollars per trip to the fortune theatre (Approx. 3 trips)	2.1	Theatre techniques	INT	4	✓	
	2.2	Devised theatre	INT	5	✓	
	2.7	Live theatre	EXT	4	✓	
	2.8	Script a scene	INT	4	✓	
12DRA		Contact Person: Mr Bertanees				

MUSIC Level 2

Music	AS		INT/ EXT	Cr	Li	N
ENTRY REQUIREMENTS: Vocational Pathways Certificate and Industry Endorsement. Achievement of Level One standard or equivalent theory. TIC Music approval. Must undertake music lessons on a chosen instrument throughout the year. Students are expected to attend OSSMF and participate in other activities. COURSE DESCRIPTION: Aspect of NZ Music – study. Literacy Level 1. Further higher academic possibilities. Endorsement course. Practical skills are honed at distinction level and strengthens are ascertained to enhance your final year. Score reading. Performance – solo and groups on chosen instrument. Composition. QUALIFICATIONS TO BE GAINED: NCEA Music Achievement Standards Level 2 (*38 credits). NCEA Music Unit Standards Level 1. Vocational Pathways Certificate Level 2 and Industry Endorsements. COSTS: Music Instrument Hire - \$50 Otago Secondary School Music Festival - \$20 approx.	2.1	Performance	INT	6		
	2.4	Composition	INT	6	✓	
	2.6	Score Reading	EXT	4	✓	
	2.3	Performance Group	INT	4		
12MUS		Contact Person: Mr Bertanees				

Commerce Level 2

ACCOUNTING Level 2

Accounting Level 2	AS	Title	INT/ EXT	Cr	Li	N
ENTRY REQUIREMENTS: HOD approval COURSE DESCRIPTION: This course covers the manipulation of an accounting system using an accounting software package. Students gain an understanding of accounting subsystems, the ability to identify strengths and weaknesses within given scenarios and provide business solutions. They also prepare financial statements for a business that operates subsystems. QUALIFICATIONS TO BE GAINED: 19 Level 2 credits towards NCEA COSTS: Nil	2.1	Demonstrate understanding of accounting concepts for an entity that operates accounting subsystems.	EXT	4		
	2.2	Demonstrate understanding of accounting processing using accounting software.	INT	4		✓
	2.3	Prepare financial information for an entity that operates accounting subsystems	EXT	5		✓
	2.6	Demonstrate understanding of an accounts receivable subsystem	INT	3	✓	✓
	2.7	Demonstrate understanding of an inventory subsystem	INT	3	✓	✓
12ACC		Contact Person: Ms Brown				

ECONOMICS Level 2

Economics Level 2	AS	Title	INT/ EXT	Cr	Li	N
ENTRY REQUIREMENTS: HOD approval COURSE DESCRIPTION: This course enables students to gain an appreciation and understanding of the New Zealand economy in terms of the issues of employment, unemployment, inflation and economic growth. Students gain skills in interpreting and using statistical data and economic models. QUALIFICATIONS TO BE GAINED: 22 Credits towards NCEA Level 2 COSTS: Nil	2.1	Analyse inflation using economic concepts and models	EXT	4	✓ W	
	2.3	Analyse economic growth using economic concepts and models	EXT	4	✓ W	
	2.4	Analyse unemployment using economic concepts and models	INT	4	✓	
	2.5	Analyse statistical data relating to two contemporary economic issues	INT	4	✓	✓
	2.6	Analyse how government policies and contemporary economic issues interact	INT	6	✓ R	
12ECO		Contact Person: Ms Brown				

ENGLISH AND LANGUAGES Level 2

Subject Level 2 English	AS	Title	INT/ EXT	Cr	Li	N
ENTRY REQUIREMENTS: At least 10 English credits at Level 1. Students not meeting this requirement may be admitted at the discretion of the HOD. COURSE DESCRIPTION: This flexible course develops student critical thinking and communication skills. Students will complete a core set of standards (reading responses and writing portfolio) and opt in to standards best suited to their interests, needs and ability, to the total of approximately 18 credits. There are multiple pathways students could choose to focus on, such as visual language (film), literature studies, or creative English. A thematic focus will enable students to develop a deeper understanding of issues impacting on themselves and our society. Visit https://sites.google.com/sohs.school.nz/english/home . QUALIFICATIONS TO BE GAINED: Credits towards NCEA Level 2 Reading and writing literacy credits required for University Entrance COSTS: N/A	2.1	Show understanding of specified aspect(s) of studied written text(s), using supporting evidence	EXT	4	R/W	
	2.2	Show understanding of specified aspect(s) of studied visual or oral text(s), using supporting evidence	EXT	4	W	
	2.3	Analyse significant aspects of unfamiliar written texts through class reading supported by evidence	INT	4	R/W	
	2.4	Produce a selection of crafted and controlled writing	INT	6	W	
	2.5	Construct and deliver a crafted and controlled oral text	INT	3	✓	
	2.6	Construct a crafted and controlled visual and verbal text	INT	3	✓	
	2.7	Analyse significant connections across texts supported by evidence	INT	4	✓	
	2.9	Form developed personal responses to independently read texts, supported by evidence	INT	4	R	
	2.10	Analyse aspects of visual and/or oral texts through close viewing and/or listening supported by evidence	INT	3	✓	
12ENG		Contact Person: Ms Smith				

ESOL – English for Speakers of Other Languages

ESOL	AS	Title	INT/ EXT	Cr	Li	N
ENTRY REQUIREMENTS: This course is designed for students for whom English is a additional language. COURSE DESCRIPTION: This course covers all modes of language learning: reading, writing, listening and speaking. The aim is to improve English literacy and fluency to support students to achieve in their other subject areas. Students may also work towards obtaining NCEA English Language credits. QUALIFICATIONS TO BE GAINED: Credits towards NCEA. English Language Unit Standards (level 1 – level 3) COSTS:		Individually tailored course				
		Contact Person: Mr Nicholson				

MATHEMATICS Level 2

Subject: Mathematic and Statistics Level 2	AS	Title	INT/ EXT	Cr	Li	N
ENTRY REQUIREMENTS: HOD and Teacher recommendations and passes in Level 1 'CAT' and 'Chance & Data' COURSE DESCRIPTION: To help students to develop a variety of approaches to solving problems involving mathematics and statistics and to develop the ability to think and reason logically. This course leads on in particular to 13MAC. A possible selection of standards is listed here. QUALIFICATIONS TO BE GAINED: Credits towards NCEA Level 2 COSTS: \$21	2.1	Apply coordinate geometry methods in solving problems	INT	2		✓
	2.4	Apply trigonometric relationships in solving problems	INT	3		✓
	2.6	Apply algebraic methods in solving problems	EXT	4		✓
	2.7	Apply calculus methods in solving problems	EXT	5		✓
	2.14	Apply systems of equations in solving problems	INT	2		✓
12MATA		Contact Person: Mr Sibley				

Subject: Mathematic and Statistics Level 2	AS	Title	INT/ EXT	Cr	Li	N
ENTRY REQUIREMENTS: HOD and Teacher recommendations and passes in Level 1 'MCAT' and 'Chance & Data' COURSE DESCRIPTION: To help students to develop a variety of skills which could help in Polytechnic courses. This course may lead on to, in particular, 13MAS. A possible selection of standards is listed here. QUALIFICATIONS TO BE GAINED: Credits towards NCEA Level 2 COSTS: \$28	2.1	Apply coordinate geometry methods in solving problems	INT	2		✓
	2.4	Apply trigonometric relationships in solving problems	INT	3		✓
	2.5	Apply network methods in solving problems	INT	2		✓
	2.3	Apply sequences and series in solving problems	INT	2		✓
	2.9	Use statistical methods to make an inference	INT	4		✓
	2.12	Apply probability methods in solving problems	EXT	4		✓
12MATB		Contact Person: Mr Sibley				

PHYSICAL EDUCATION Level 2

PHYSICAL EDUCATION Level 2

Physical Education Level 2	AS	Title	INT/ EXT	Cr	Li	N
ENTRY REQUIREMENTS: HOD and Teacher recommendations and has achieved AS1.2. Interest in physical activity and willingness to actively participate. COURSE DESCRIPTION: This eventful and engaging course offers you the opportunity to experience and participate in a wide range of sports and physical activities including a two day Ski Trip. You will study how the body moves, responds and adapts to different physical activities. The main focus of this course is to equip you with the necessary skills to develop specific depth in sports training and physical activity. QUALIFICATIONS TO BE GAINED: Level 1 Literacy credits available 24 Credits towards NCEA Level 2 COSTS: Approx. \$300 ski trip	2.2	Demonstrate understanding of how and why biophysical principles relate to the learning of physical skills	INT	5	✓	
	2.3	Demonstrate understanding of the application of biophysical principles to training and physical activity	INT	4	✓	
	2.4	Perform a physical activity in an applied setting	INT	4		
	2.5	Examine the significance for self, others and society of a sporting event, a physical activity, or a festival	INT	4	✓	
	2.6	Evaluate leadership strategies that contribute to the effective functioning of a group	INT	4	✓	
	2.8	Consistently demonstrate social responsibility through applying a social responsibility model in physical activity	INT	3		
12PE A		Contact Person: Ms Bathgate				

Physical Education Level 2	AS	Title	INT/ EXT	Cr	Li	N
ENTRY REQUIREMENTS: Interest in physical activity and willingness to actively participate. COURSE DESCRIPTION: This course will offer you the opportunity to experience and participate in a wide range of physical activities, in a variety of contexts. You will plan and implement your own physical activity event and develop skills to be able to work effectively in group situations. You will be required to demonstrate skills in a range of physical activities, show understanding of risk management in the context of skiing/snowboarding. The main focus of this course is to equip you with the necessary skills to maintain and develop your personal well-being, both now and in the future. QUALIFICATIONS TO BE GAINED: Credits towards Level 1 Literacy 17 Credits towards NCEA Level 2 COSTS: Approx. \$300 for Ski Trip	2.4	Perform a physical activity in an applied setting	INT	4		
	2.7	Analyse the application of risk management strategies to a challenging outdoor activity	INT	3	✓	
	2.8	Consistently demonstrate social responsibility through applying a social responsibility model in physical activity	INT	3		
	2.9	Examine the implementation and outcome(s) of a physical activity event or opportunity	INT	3	✓	
	3.4	Demonstrate quality performance of a physical activity in an applied setting	INT	4		
12PE B		Contact Person: Ms Bathgate				

OUTDOOR EDUCATION Level 2

Outdoor Education Level 2	US	Title	INT/ EXT	Cr	Li	N
ENTRY REQUIREMENTS: Entry given based on prior achievement in Physical Education COURSE DESCRIPTION: This course gives students the ability to develop outdoor adventure skills in a range of areas. There are five modules which are a combination of both practical and theory. They are: Tramping, Rock Climbing, Mountain Biking, Kayaking and a Snow experience. As students complete a range of standards in these disciplines they also gain experiences in a number of destinations throughout Otago and Southland. QUALIFICATIONS TO BE GAINED: Credits towards NCEA Level 2 Credits towards a Vocational Pathways Endorsement COSTS: Contributions towards a range of practical trips and activities: approx: \$500 trip costs	425	Experience day tramps	INT	3		
	426	Experience camping	INT	3		
	431	Navigate in good visibility on land	INT	3		
	444	Demonstrate basic rock climbing movement	INT	1		
	20157	Demonstrate the use of basic rope systems for top rope rock climbing and abseiling	INT	3		
	457	Mountain bike on intermediate to expert terrain	INT	2		
	20138	Select, set up and maintain a mountain or cycle touring bike	INT	3		
	4596	Snowboard on beginner terrain (EITHER)	INT	4		
	17468	Alpine ski downhill on beginner terrain (OR)	INT	4		
	476	Roll a kayak	INT	2		
120DE		Contact Person: Mr Thomas				

READY TO WORK

R2W (Ready To Work)	US	Title	INT/ EXT	Cr	Li	N
ENTRY REQUIREMENTS: None. COURSE DESCRIPTION: This course is a fantastic opportunity to allow students to start preparation their career journey. A multi-level course setting up the basics, and the possibility of either Friday School in Gore, Telford, or Dunedin. Other options available with Tourism Industry (NZST via HoD R2W), Gateway placement (level 3, limited numbers), or own Work Experience placement (Senior Management approval). QUALIFICATIONS %TO BE GAINED: Credits towards NCEA and Vocational Pathway Award COSTS: Minimal. Uniform bond etc if on a specialised course ie Cookery at OTSC.	10781	Produce a plan for future directions	INT	3		
	4252	Produce a Targeted CV	INT	2		
	1294	Be Interviewed in a Formal Situation	INT	2		
	4251	Plan a Career Pathway	INT	2		
	1296	Interview in an Informal Situation	INT	3		
	1980	Describe from an employee perspective, ways of dealing with employment relationship problems. Plus many more in specialised areas they are training in as described in course description.	INT	3		
R2W		Contact Person: Mrs Cullen				

SCIENCE Level 2

BIOLOGY Level 2

Subject Yr12 Biology	AS	Title	INT/ EXT	Cr	Li	N
ENTRY REQUIREMENTS: By arrangement COURSE DESCRIPTION: This course covers the two main areas required for year 13 Biology. Cell Biology and Genetic Variation. The internal assessments are geared to provide a better understanding of the Cell Biology and a brief introduction to Ecology. QUALIFICATIONS TO BE GAINED: 16 L2 Credits	2.1	Carry Out a Practical Investigation in a Biology Context with Supervision.	INT	4		✓
	2.4	Demonstrate Understanding of Life Processes at the Cellular Level.	EXT	4	✓	
	2.5	Demonstrate Understanding of Genetic Variation and Change.	EXT	4	✓	
	2.6	Investigate a Pattern in an Ecological Community, with Supervision.	INT	4	✓	
12BIO		Contact Person: Mr Swallow				

CHEMISTRY Level 2

Subject Yr12 Biology	AS	Title	INT/ EXT	Cr	Li	N
ENTRY REQUIREMENTS: Minimum of 8 Level 1 credits plus Acids and Bases external COURSE DESCRIPTION: This course provides students with a solid background for further study in a Chemistry related field and/or general knowledge for later life. Chemistry and scientific developments generally, influence and contribute to our everyday lives. The work is interesting, with practical and text based content, the course is well designed, and, the subject provides students with a sense of achievement. QUALIFICATIONS TO BE GAINED: 19 L2 Credits	2.1	Carry out quantitative analysis*	INT	4		✓
	2.2	Carry out procedures to identify ions present in solution*	INT	3		
	2.4	Demonstrate understanding of bonding, structure, properties and energy change	EXT	5	✓	
	2.5	Demonstrate understanding of the properties of selected organic compounds	EXT	4	✓	
	2.7	Demonstrate understanding of oxidation-reduction	INT	3		
12CHE		Contact Person: Mr Swallow				

PHYSICS Level 2

Subject Yr12 Physics	AS	Title	INT/ EXT	Cr	Li	N
ENTRY REQUIREMENTS: Level 1 Mechanics External or by arrangement COURSE DESCRIPTION: At this level there are FIVE Achievement Standards that total to 20 credits. THREE Achievement Standards are assessed internally (at school) while the other TWO are assessed by an external examination at the end of the school year. It is expected that students will complete both the internally assessed Achievement Standards and the externally assessed Achievement Standards. The course involves 4 classroom periods a week. This course provides students with a solid background for further study in Physics and/or general knowledge for later life. Students will investigate physical phenomena (in the areas of mechanics, nuclear physics and waves) and will produce qualitative and quantitative explanations for a variety of unfamiliar situations. QUALIFICATIONS TO BE GAINED: 22 Credits at L2 in Physics,	2.1	Carry out a practical physics investigation that leads to a non-linear mathematical relationship.	INT	4	✓	✓
	2.5	Demonstrate understanding of atomic and nuclear physics	INT	3	✓	
	2.4	Demonstrate understanding of mechanics	EXT	6		✓
	2.6	Demonstrate understanding of electricity and electromagnetism	EXT	6		✓
	2.2	Demonstrate understanding of physics relevant to a selected context	INT	4	✓	
12PHY		Contact Person: Mr Swallow				

SCIENCE Level 2

Subject Yr12 Science	AS	Title	L	Cr	Li	N
ENTRY REQUIREMENTS: By arrangement with Mr Swallow. COURSE DESCRIPTION: The course is designed to allow pupils who do not gain the prerequisites for L2 Biology, Chemistry, Physics but need or wish to have L2 Science credits for entry to tertiary courses or apprenticeships. The exact content of the course will be determined by the teacher in consultation with the pupils and be reflective of pupils' stated outcomes. This class will also be available to Yr12 pupils who wish to re-sit some L1 internals or externals to gain prerequisites for L1 or L2. This will be by supervised study and only be by arrangement with the class teacher. The programme for these pupils will be determined by the teacher in consultation with the pupil/s. The standards listed may be changed at the discretion of the teacher in consultation with pupils. QUALIFICATIONS TO BE GAINED: 15+ L2 Credits in Science (ESS, Biology, Physics, Chemistry) COSTS: to be determined	91187	Carry out a practical Earth and Space Science investigation	2	4	Y	Y
	91190	Investigate how organisms survive in an extreme environment	2	4	Y	
	91155	Demonstrate understanding of adaptations of plants and animals to their way of life	2	3	Y	
	91168	Carry out a practical physics investigation that leads to a non-linear relationship	2	4		Y
	91189	Investigate geological processes in a New Zealand locality	2	4		Y
12SC		Contact Person: Mr Swallow				

SOCIAL SCIENCES Level 2

GEOGRAPHY Level 2

12 GEOGRAPHY	AS	Title	INT/ EXT	Cr	LI	N
ENTRY REQUIREMENTS: 10 credits in Year 11 Geography, History or English or see Mr Beeby for permission. COURSE DESCRIPTION: Geography is about understanding the world around you and why things are like they are. The contexts used could be local, national or global. The topics covered in Year 12 include skills, distribution of HIV, Geographic Information systems. River research and Freedom Camping QUALIFICATIONS TO BE GAINED: 19 credits towards NCEA COSTS: Mt Cook Fieldtrip (\$165 in 2019)	2.1	Demonstrate understanding of a large national development	EXT	4	✓	
	2.4	Apply geography concepts and skills to demonstrate understanding of a given environment.	EXT	4	✓	
	2.5	Conduct geographic research with guidance	INT	5	✓	
	2.6	Explain aspects of a contemporary New Zealand geographic issue.	INT	3	✓	
	2.7	Explain aspects of a geographic topic at a global scale	INT	3	✓	
	2.8	Apply spatial analysis with guidance to solve a geographic problem	INT	3	✓	✓
		Two further internals could be completed				
12GEO		Contact Person: Mr Beeby				

HISTORY Level 2

12 HISTORY	AS	Title	INT/ EXT	Cr	Li	N
ENTRY REQUIREMENTS: Nil but students should discuss the suitability of this course with Mr Palmer. COURSE DESCRIPTION: The focus of the course will be around major developments in world History in the 1900s and early 2000s. The events studied will include: The Russian Revolution, The Cold War, The Creation of Israel and 9/11 QUALIFICATIONS TO BE GAINED: 19 credits towards NCEA COSTS: Nil	2.1	Carry out an inquiry of an historical event or place that is of significance to New Zealanders.	INT	4	✓	
	2.2	Examine an historical event or place that is of significance to New Zealanders.	INT	5	✓	
	2.4	Interpret different perspectives of people in an historical event that is of significance to New Zealanders.	INT	5	✓	
	2.5	Examine the causes and consequences of a significant historical event.	EXT	5	✓	✓
12HIS		Contact Person: Mr Palmer				

TECHNOLOGY Level 2

BUILDING LEVEL 2

12 Building	US	Title	INT/ EXT	Cr	Li	N
ENTRY REQUIREMENTS: Successful completion of Year 11 Building Technology Course – minimum credits 14 or HOD approval COURSE DESCRIPTION: The Building Technology course is a practical based qualification, for students that provides the next level of skills and knowledge to enter any career in the construction industry. The qualification covers skills in communication, quality standards, workshop procedures, job specifications, health and safety, materials knowledge (including timber and metal), hand tools, power tools, and operating fixed machinery. QUALIFICATIONS TO BE GAINED: ITO certificate at Level 2- Industry and NZQA recognised qualification. COSTS: \$80 for take home components from practical projects	24354	Demonstrate knowledge of and apply safe working practices in a BCATS workplace	2	4		
	25921	Make a cupboard as a BCATS project	2	6		
	24350	Identify, select, maintain, and use portable power tools for BCATS projects	2	6		
	24351	Demonstrate knowledge of and use specified fixed machinery in the construction of BCATS projects	2	6		
12BTC		Contact: Mr Douglas				

DIGITAL TECHNOLOGY Level 2

Digital Technology Level 2	US/AS	Title	INT/ EXT	C r	Li	N
ENTRY REQUIREMENTS Level 1 Digital Technology achieved. COURSE DESCRIPTION: Students taking Digital Technologies will learn not only how to use computers, but how the computers themselves function. Understanding in the area of programming (using JavaScript, HTML & CSS), computer science and database design will be explored. QUALIFICATIONS TO BE GAINED: NCEA Level 2 Credits COSTS: N/A	AS91891	Applying conventions to develop design for a digital technologies outcome	INT	3		
	OR					
	AS91892	Use advanced techniques to develop a database	INT	4		
	AS91893	Use advanced techniques to develop a digital media outcome	INT	6		
	AS91896	Use advanced programming techniques to develop a computer program	EXT	3		
	AS91899 OR AS91898	Present a summary of developing a digital outcome Demonstrate understanding of a computer science concept	EXT	3		
12DGT		Contact: Mr Douglas				

DESIGN and MANUFACTURE TECHNOLOGY Level 2

Design and Manufacture Technology Level 2	US/AS	Title	INT/ EXT	Cr	Li	N
ENTRY REQUIREMENTS Level 1 Technology achieved. COURSE DESCRIPTION: To offer students the opportunity to learn about, and to improve their knowledge and skills in the field of materials using an engineering focus QUALIFICATIONS TO BE GAINED: NCEA Level 2 Credits COSTS: A subject fee of \$100.00 is payable by the end of February. Stationery needs to be supplied by the student.	AS91344	Implement advanced procedures using resistant materials to make a specified product.	INT	6		
	US21906	Perform basic mechanical engineering machining operations under supervision.	INT	12		
	US21907	Demonstrate and apply knowledge of safe welding principles and quality assurance under supervision.	INT	4		
12DMT		Contact: Mr Douglas				

DESIGN AND VISUAL COMMUNICATION Level 2

12 Design & Visual Communication	AS	Title	INT/ EXT	Cr	Li	N
ENTRY REQUIREMENTS: Successful completion of Year 11 design course. COURSE DESCRIPTION: To gain further understanding in design processes and visual communication techniques. Develop an understanding of the importance of sustainability in design. Develop a portfolio that highlights students areas of strength. Utilise 3d modelling software to develop, produce and present design outcomes. QUALIFICATIONS TO BE GAINED: Credits towards NCEA COSTS: \$25	2.30	Use visual communication techniques to generate design ideas	INT	3		
	2.34	Develop a spatial design through graphics practice.	INT	6	✓	
	2.36	Use visual communication techniques to compose a presentation of a design.	INT	4	✓	
	2.35	Develop a product design through graphics practice.	INT	6		
12GRA		Contact: Mr Douglas				

HOSPITALITY Level 2

Subject 12 HOS	US	Title	L	Cr	Li	N
ENTRY REQUIREMENTS: 11 Credits in Level 1 Hospitality or consultation with HOD Technology/ Hospitality teacher. COURSE DESCRIPTION: This course will offer training programmes based around Food Safety and Cookery. QUALIFICATIONS %TO BE GAINED: Credits towards Level 2 NCEA COSTS: A subject fee of \$100 is payable by the end of February. Additional consumable items will apply to each student. Stationary will need to be supplied by the student. <i>Note: The subject fee of \$100 is payable by the end of February, the student will be asked to select another subject unless special arrangements have been made with the HOD.</i>	US 167	Practice food safety methods in a food business.	INT	4		
	US 13285	Handle and maintain knives in a commercial kitchen.	INT	2		
	US 13276	Cook food items by grilling.	INT	2		
	US 13282	Prepare and present salads for service.	INT	2		
	US 13272	Prepare fruit and vegetable cuts.	INT	2		
	US 13281	Prepare and present basic sandwiches for service	INT	2		
	US 22234	Compare characteristics of international dishes and prepare and present international dishes.	INT	4		
12 HOS		Contact Person: Mr Douglas				

SOFT MATERIALS Level 2

Subject	AS	Title	INT/EXT	Cr	Li	N
ENTRY REQUIREMENTS: At least 10 credits from Level One Soft Materials Technology, or in consultation with HOD. COURSE DESCRIPTION: The course aims to develop understanding of all aspects of textiles, fashion and design. Students are challenged to explore a wide variety of materials to meet design needs and in doing so develop their practical skills in textiles, fashion and design. QUALIFICATIONS TO BE GAINED: NCEA Level 2 Credits COSTS: \$80	2.4	Undertake effective development to make and trial a prototype.	INT	6		
	2.26	Make advanced adaptations to a pattern to change the structural and style features of a design.	INT	4		
	2.21	Implement advanced procedures using textile materials to make a specified product with special features.	INT	6		
	2.10	Demonstrate understanding of sustainability in design.	EXT	4		
12TSM		Contact Person: Mr Douglas				

YEAR 13 SUBJECTS

ARTS Level 3

ART – VISUAL Level 3

Subject Visual Art (Painting)	AS	Title	INT/ EXT	Cr	Li	N
ENTRY REQUIREMENTS: Have completed a NCEA Level 2 course in Visual Art or approved by HOD Visual Art COURSE DESCRIPTION: This course aims to further develop knowledge and skills specific to the Painting medium throughout the year. Students will develop their own individual art investigation. QUALIFICATIONS TO BE GAINED: 18 NCEA Level 3 credits COSTS: \$80 for school materials used (\$40 Approx. for own paints and brushes) Possible trip to Top Art exhibition in Dunedin (Approx \$20)	3.2	Use drawing to demonstrate understanding of conventions appropriate to Painting.	INT	4		
	3.4	Produce a systematic body of work that integrates conventions and regenerates ideas within painting practice.	EXT	14		
13ART		Contact Person: Mrs Williams				

DRAMA Level 3

Subject	AS	Title	INT/ EXT	Cr	Li	N
ENTRY REQUIREMENTS: An interest in the performing arts/ preferably year 11/12 drama. A minimum of 12 credits in level 1 drama or, under exceptional circumstances, at the discretion of the teacher COURSE DESCRIPTION: The course aims to develop self-confidence, enable students to develop practical drama skills through participation and exploration in the arts. The course will also broaden an understanding of, and involvement in the arts. Through visits to local professional theatres students will develop analysis and appreciation of a performance. Students will get an opportunity to direct a scene for the Shakespeare competition being held in Dunedin. QUALIFICATIONS TO BE GAINED: Level Three drama COSTS: \$25 dollars per trip to the fortune theatre (Approx. 2 trips)	3.4	Theatre techniques	EXT	4	✓	
	3.2	Devised theatre		5	✓	
	3.7	Live theatre		4	✓	
	3.8	Script a scene		5	✓	
	3.9	Direct a scene (Optional)		5	✓	
13DRA		Contact Person: Mr Bertanees				

Music Level 3

Music	AS	Title	INT/ EXT	Cr	Li	N
<p>ENTRY REQUIREMENTS: Achievement of 13 Level two Music credits. TIC Music approval. Must undertake music lessons on a chosen instrument throughout the year. Students are expected to participate in other music activities.</p> <p>COURSE DESCRIPTION: Individualised course to further enhance each music student's strengths and be ready to take to the next level of education regardless of which degree the student chooses to pursue. Making Music: Group performance. Composition. Aural Skills. Solo Performance.</p> <p>QUALIFICATIONS TO BE GAINED: NCEA Music Achievement Standards Level 3 (20 credits) in either Making Music or Music Studies. University Entrance – Music Studies (must have an external for endorsement at some tertiary institutions)</p> <p>COSTS: Music Instrument Hire - \$50 Otago Secondary School Music Festival - \$20 approx.</p>	3.1	Performance Solos	INT	8	√	
	3.4	Composition	INT	8		
	3.10	Research	INT	6		
	3.5	Aural Skills	EXT	4		
	3.3	Performance Groups	INT	4		
	3.4	Arrangement	INT	4		
		Options with different students available				
CODE: 13MUS		Contact Person: Mr Bertanees				

Commerce Level 3

ACCOUNTING Level 3

Accounting Level 3	AS	Title	INT/ EXT	Cr	Li	N
ENTRY REQUIREMENTS: HOD approval COURSE DESCRIPTION: This course covers aspects of formation and financial reporting for both partnerships and companies registered on the New Zealand stock exchange. It looks at quoting, job costing and accounting for manufacturing entities. Students will also gain an appreciation of aspects of financial decision making for business. QUALIFICATIONSTO BE GAINED: 19 Level 3 credits towards NCEA Level 3 and a university entrance subject. COSTS: Nil	3.2	Demonstrate understanding of accounting for partnerships	INT	4		✓
	3.3	Demonstrate understanding of company financial statement preparation - Optional	EXT	5		✓
	3.4	Prepare a report for an external user that interprets the annual report of a New Zealand reporting company	INT	5	✓ R W	✓
	3.5	Demonstrate understanding of management accounting to inform decision-makers	EXT	4	✓	✓
	3.6	Demonstrate understanding of a job cost subsystem for an entity	INT	4	✓	✓
13ACC		Contact Person: Ms Brown				

ECONOMICS Level 3

Economics Level 3	AS	Title	INT/ EXT	Cr	Li	N
ENTRY REQUIREMENTS: HOD approval COURSE DESCRIPTION: This course covers micro-economic concepts that relate to firms activities. It uses marginal analysis to establish market equilibrium and producer profit maximisation. Students will be introduced to a range of different types of business competition Students will also gain an appreciation of how and why government interferes in the market place to improve outcomes for society as a whole. QUALIFICATIONS TO BE GAINED: 18 Credits towards NCEA Level 3. A university entrance subject COSTS: Nil	3.1	Demonstrate understanding of the efficiency of market equilibrium	EXT	4	✓ W R	
	3.2	Demonstrate understanding of the efficiency of different market structures using marginal analysis	EXT	4	✓ W R	
	3.3	Demonstrate understanding of micro-economic concepts.	INT	5	✓ R	
	3.4	Demonstrate understanding of government interventions to correct market failure.	INT	5	✓ R	
13ECO		Contact Person: Ms Brown				

ENGLISH and LANGUAGES Level 3

ENGLISH Level 3

Subject English Level 3	AS	Title	INT/ EXT	Cr	Li	N
ENTRY REQUIREMENTS: At least 10 English credits at Level 2. Students not meeting this requirement may be admitted at the discretion of the HOD. COURSE DESCRIPTION: This flexible course develops student critical thinking and communication skills. Students will complete a core set of standards (writing portfolio and making connections or critical lens) and opt in to standards best suited to their interests, needs and ability, to the total of approximately 18 credits. Students can choose to focus on visual texts, literature studies, or creative English. A thematic focus will enable students to develop a deeper understanding of issues impacting on themselves and our society. Visit https://sites.google.com/sohs.school.nz/english/home QUALIFICATIONS TO BE GAINED: Credits towards NCEA Level 3 Reading and writing literacy credits required for University Entrance U.E. Course COSTS: N/A	3.1	Respond critically to specified aspect(s) of studied written text(s), using supporting evidence	EXT	4	R/W	
	3.2	Respond critically specified aspect(s) of studied visual or oral text(s), using supporting evidence	EXT	4	W	
	3.3	Respond critically to significant aspects of unfamiliar written texts through close reading supported by evidence	INT	4	R/W	
	3.4	Produce a selection of fluent and coherent writing which develops, sustains and structures ideas.	INT	6	W	
	3.5	Create and deliver a fluent and coherent oral text which develops, sustains and structures ideas.	INT	3	✓	
	3.6	Create a fluent visual text which develops, sustains and structures ideas using visual and verbal techniques.	INT	3	✓	
	3.7	Respond critically to significant connections across texts supported by evidence	INT	4	✓	
	3.8	Develop an informed understanding of literature and/or language using critical texts.	INT	4	R	
	3.9	Respond critically to significant aspects of visual and/or oral texts through close reading supported by evidence.	INT	3	✓	
13ENG		Contact Person: Ms Smith				

ESOL – English for Speakers of Other Languages

MATHEMATICS Level 3

MATHEMATICS WITH CALCULUS

Subject 13MAC	AS	Title	INT/ EXT	Cr	Li	N
ENTRY REQUIREMENTS: HOD and Teacher recommendation and a pass in A/S/ 2.7 from Year 12 COURSE DESCRIPTION: To provide a foundation for those students who may continue studies in Mathematics or other learning areas where mathematical concepts are central. A possible selection of standards is listed here. QUALIFICATIONS TO BE GAINED: Credits toward NCEA Level 3 in Calculus and subject pass for U.E. in Calculus COSTS: Homework book \$28	3.1	Apply the geometry of conic sections in solving problems	INT	3		✓
	3.3	Apply trigonometric methods in solving problems	INT	4		✓
	3.6	Apply differentiation methods in solving problems	EXT	6		✓
	3.7	Apply integration methods in solving problems	EXT	6		✓
13MAC		Contact Person: Mr Sibley				

MATHEMATICS WITH STATISTICS

Subject 13MAS	AS	Title	INT/ EXT	Cr	Li	N
ENTRY REQUIREMENTS: HOD and Teacher recommendation and passes in A/S/ 2.9 and A/S/ 2.1 from Year 12 COURSE DESCRIPTION: To provide a foundation for those students who may continue studies in mathematics or other learning areas where mathematical concepts are central. A possible selection of standards is listed here. QUALIFICATIONS TO BE GAINED: Credits toward NCEA Level 3 and subject pass in U.E. for Mathematics COSTS: Homework book \$35	3.8	Investigate time series data	INT	4	✓	✓
	3.9	Investigate bivariate measurement data	INT	4	✓	✓
	3.2	Apply linear programming methods in solving problems	INT	3		✓
	3.12	Evaluate statistically based reports	EXT	4	✓	✓
	3.15	Apply systems of simultaneous equations to solve problems	INT	3		✓
13MAS		Contact Person: Mr Sibley				

PHYSICAL EDUCATION Level 3

PHYSICAL EDUCATION Level 3

Physical Education Level 3	AS	Title	L	Cr	Li	N
ENTRY REQUIREMENTS: HOD and teacher recommendation. Achievement standard 2.3 and 2.5 have been achieved COURSE DESCRIPTION: Through this course, students examine factors that influence physical activity performance and participation. This will include evaluating contemporary leadership, analysing the role of physical activity in people's lives, the societal implications of physical activity events, issues and trends and biomechanical analysis to improve performance. QUALIFICATIONS TO BE GAINED: 20 Credits towards NCEA Level 3 Level 1 Literacy COSTS: Approx: Leadership Course approx.. \$130. Physical activity trip approx. \$40	3.1	Evaluate physical activity experiences to devise strategies for lifelong well-being	INT	4	✓	
	3.3	Evaluate the effectiveness of a performance improvement programme	INT	4	✓	
	3.4	Demonstrate quality performance of a physical activity in an applied setting	INT	4		
	3.5	Examine a current physical activity event, trend or issue and its impact on New Zealand society	INT	4	✓	
	3.8	Examine contemporary leadership principles applied in physical activity contexts	INT	4	✓	
13PE		Contact Person: Ms Bathgate				

OUTDOOR EDUCATION Level 3

Outdoor Education Level 3	US	Title	INT/EXT	Cr	Li	N
ENTRY REQUIREMENTS: Entry given based on prior achievement in Outdoor Education or Physical Education COURSE DESCRIPTION: Throughout this course, students will develop self-management, communication and leadership as they participate in a range of outdoor activities. Skills in Tramping, Rock Climbing, Mountain Biking and Kayaking are developed in continuation from 12ODE. This course works towards preparing students for further education in Outdoor Recreation at a tertiary organisation and a career in the Adventure Tourism Industry. QUALIFICATIONS TO BE GAINED: Credits towards NCEA Level 3 COSTS: Contribution towards a range of practical trips and activities: approx. \$500.00	424	Assess and manage an emergency care situation during an outdoor recreation activity	INT	5		
	26249	Demonstrate bushwalking knowledge and skills	INT	5		
	20150	Demonstrate rock climbing skills on natural rock	INT	5		
	26246	Demonstrate mountain biking knowledge and skills	INT	5		
	26237	Demonstrate kayaking knowledge and skills	INT	5		
13ODE		Contact Person: Mr Thomas				

SCIENCE Level 3

BIOLOGY Level 3

Year 13 Biology	AS	Title	INT/ EXT	Cr	Li	N
ENTRY REQUIREMENTS: Minimum 8 L2 Biology Credits COURSE DESCRIPTION: This course is for pupils who are interested in studying Biology or related subjects such as Nursing at tertiary level. It consists of two externals and three internals. NOTE due to the way the credits are arranged, pupils will need to pass at least one external to pass the course QUALIFICATIONS %TO BE GAINED: 18 L3 Biology Credits COSTS: \$30 for a learning workbook for externals	3.1	Carry out a practical investigation in a biological context, with guidance	INT	4	✓	✓
	3.2	Integrate biological knowledge to develop an informed response to a socio-scientific issue	INT	3	✓	
	3.4	Demonstrate understanding of how an animal maintains a stable internal environment	INT	3	✓	
	3.7	Demonstrate understanding of human manipulations of genetic transfer	INT	3	✓	
	3.6	Demonstrate understanding of trends in human evolution	EXT	4	✓	
13BIO		Contact Person: Mr Swallow				

CHEMISTRY Level 3

Yr13 Chemistry	AS	Title	INT/ EXT	Cr	Li	N
ENTRY REQUIREMENTS: Minimum 14 L2 credits COURSE DESCRIPTION: This course provides students with a solid background for further study in a Chemistry related field and/or general knowledge for later life. Chemistry and scientific developments generally, influence and contribute to our everyday lives. The work is interesting, with practical and text based content, the course is well designed, and, the subject provides students with a sense of achievement QUALIFICATIONS TO BE GAINED: 19 L3 credits COSTS: Approx \$30 for a learning workbook for externals	3.1	Carry out an extended practical investigation involving quantitative analysis	INT	4		✓
	3.2	Demonstrate understanding of spectroscopic data in chemistry	INT	3		
	3.3	Demonstrate understanding of chemical processes in the world around us	INT	3		
	3.4	Demonstrate understanding of thermochemical principles and the properties of particles and substances	EXT	5	✓	
	3.5	Demonstrate understanding of the properties of organic compounds	EXT	4	✓	
13CHE		Contact Person: Mr Swallow				

PHYSICS Level 3

Yr13 Physics	AS	Title	INT/ EXT	Cr	Li	N
ENTRY REQUIREMENTS: Level 2 Mechanics External or by arrangement COURSE DESCRIPTION: At this level there are FIVE Achievement Standards that total to 20 credits. THREE Achievement Standards are assessed internally (at school) while the other TWO are assessed by an external examination at the end of the school year. It is expected that students will complete both the internally assessed Achievement Standards and the externally assessed Achievement Standards. This course provides students with a solid background for further study in Physics (including, but not limited to engineering, medical sciences and environmental science) at university and/or general knowledge for later life. Students will investigate physical phenomena (in the areas of mechanics, nuclear physics, electricity and electromagnetism) and will produce complex qualitative and quantitative explanations for a variety of unfamiliar situations. QUALIFICATIONS TO BE GAINED: 20 Credits at L3 in Physics, COSTS: Approx \$25	3.1	Carry out a practical investigation to test a physics theory relating two variables in a non-linear relationship	INT	4		✓
	3.3	Demonstrate understanding of wave systems	EXT	4	✓	
	3.4	Demonstrate understanding of mechanic's systems	EXT	6	✓	
	3.5	Demonstrate understanding of Modern Physics	INT	3	✓	
	3.7	Use physics knowledge to develop an informed response to a socio-scientific issue (Optional)	INT	3		
13PHY		Contact Person: Mr Swallow				

SCIENCE Level 3

Subject Yr13 Technical Science	AS	Title	L	Cr	Li	N
ENTRY REQUIREMENTS: By arrangement with Mr Swallow. A critical part of this course is that it is self determined by the pupils in consultation with the teacher and that pupils have the capability and motivation to work independently when required. COURSE DESCRIPTION: The course is designed to allow pupils who do not gain the prerequisites for L3 Biology, Chemistry, or Physics but need or want to have L3 Science credits for entry to tertiary courses or for UE. The exact content of the course is to be determined by the teacher in consultation with individual pupils and be reflective of pupils' stated outcomes. The first half of the course will consist of two internals from Earth and Space Science domain for a total of eight credits. After this, the pupils will select internals to complete based on their own interests and with the guidance of the teacher. There is the possibility of further whole class learning at this point if it is appropriate. The class will be supported by the iQualify digital learning platform which will allow pupils to work through chosen internals at their own pace, and with teacher support. With consultation, it may be that externals are offered to allow the opportunity for pupils to gain a course endorsement. QUALIFICATIONS TO BE GAINED: 15+ L3 Credits in Science (ESS, Biology, Physics, Chemistry, Ag+ Hort) COSTS: to be determined	91410	Carry out an independent practical Earth and Space Science investigation	3	4	Y	Y
	91411	Investigate a socio-scientific issue in an Earth and Space Science context	3	4	Y	
	91415	FOR EXAMPLE Investigate an aspect of astronomy	3	4	Y	
	91532	Analyse a New Zealand primary production environmental issue.	3	5	Y	
	91601	Carry out a practical investigation in a biological context with guidance	3	4	Y	Y
13TSC		Contact Person: Mr Swallow				

SOCIAL SCIENCES Level 3

GEOGRAPHY Level 3

13 GEOGRAPHY	AS	Title	INT/ EXT	Cr	Li	N
ENTRY REQUIREMENTS: 10 credits in Year 12 Geography, History or English OR see Mr Beeby for permission. COURSE DESCRIPTION: Geography is about understanding the world around you and why things are like they are. The contexts used could be local, national or global. The topics covered in Year 13 include: Coastal South Otago, Event planning, Geography research, Tourism and the accessibility of Milford Sound QUALIFICATIONS TO BE GAINED: 18 Credits towards NCEA COSTS: Queenstown Fieldtrip (\$150 in 2019)	3.1	Demonstrate understanding of how interacting natural processes shaped New Zealand's geographical environment	EXT	4	✓	
	3.2	Demonstrate understanding of how a cultural process shapes geographic environment(s).	EXT	4	✓	✓
	3.3	Analyse a significant contemporary event from a geographic perspective.	INT	3	✓	
	3.5	Conduct geographic research with consultation	INT	5		
	3.6	Analyse aspects of a contemporary geographic issue. A further internal (2 credits) could be completed in the Friday Geography Class	INT	3	✓	
13GEO		Contact Person: Mr Beeby				

HISTORY Level 3

13 HISTORY	AS	Title	INT/ EXT	Cr	Li	N
ENTRY REQUIREMENTS: Nil but students should discuss the suitability of this course with Mr Palmer. COURSE DESCRIPTION: The focus of this course will be to further develop the key ideas from Level 2 History. The events studied include: the My Lai Massacre, Early Contact Period, Scottish War of Independence and the New Zealand gold rushes. There is a field trip to Central Otago as part of the research assessment focusing on the Otago Goldfields QUALIFICATIONS TO BE GAINED: 21 credits towards NCEA COSTS: Goldfields trip (\$150 in 2019)	3.1	Research an historical event or place of significance to New Zealanders, using primary and secondary sources.	INT	5	✓	
	3.2	Analyse an historical event or place of significance to NZ	INT	5	✓	
	3.4	Analyse different perspectives of a contested event of significance to New Zealanders.	INT	5	✓	
	3.5	Analyse the causes and consequences of a significant historical event.	EXT	6	✓	
13HIS		Contact Person: Mr Palmer				

TECHNOLOGY Level 3

BUILDING Level 3

Subject: Building	US	Title	INT/EXT	Cr	Li	N
ENTRY REQUIREMENTS: Successful completion of Year 12 Building Technology Course – minimum credits 14 or HOD approval COURSE DESCRIPTION: The Building Technology course is a practical based qualification, for students that provides the next level of skills and knowledge to enter any career in the construction industry. The qualification covers skills and understanding of the health and safety act, timber Identification, operating fixed and portable machinery used on construction sites. QUALIFICATIONS TO BE GAINED: Industry and NZQA recognised qualification. COSTS: Dependant on student driven project selected. Students will only be charged for take home components from practical projects.	12997	Demonstrate knowledge of safe working practices on construction sites	INT	3		
	12998	Demonstrate knowledge of carpentry hand tools	INT	4		
	12999	Demonstrate knowledge of timber machining equipment used on construction sites	INT	3		
	13000	Demonstrate knowledge of portable power tools used on construction Sites	INT	4		
	13002	Demonstrate knowledge of timber used in construction	INT	2		
13BTC		Contact: Mr Douglas				

DESIGN & MANUFACTURE TECHNOLOGY Level 3

Subject	AS	Title	INT/EXT	Cr	Li	N
ENTRY REQUIREMENTS: 14 level 2 credits achieved during Year 12 Design & Manufacture Technology. COURSE DESCRIPTION: To offer Students the opportunity to learn about, and to further enhance their knowledge and skills in the field of materials using an engineering focus and develop teamwork skills QUALIFICATIONS TO BE GAINED: NCEA Level 3 Credits COSTS: Dependant on student driven project selected. Students will only be charged for take home components from practical projects.	3.22	Implement complex procedures to make a specified product using a Computer Numerical Controlled (CNC) machine	INT	4		
	3.4	Develop a prototype considering fitness for purpose in the broadest sense	INT	6	✓	
	3.20	Implement complex procedures to integrate parts using resistant materials to make a specified product	INT	6		
	3.5	Demonstrate understanding of how technological modelling support technological development and implementation	EXT	4	W	
13DMT		Contact Person: Mr Douglas				

DESIGN AND VISUAL COMMUNICATION Level 3

Subject	AS	Title	INT/ EXT	Cr	Li	N
ENTRY REQUIREMENTS: Successful completion of Year 12 design course. COURSE DESCRIPTION: Gain exposure to professional designers environments and tertiary education options. Utilise drawing skills and 3d modelling software to develop, produce, and present design outcomes Develop a portfolio of work that can be used for entry into design career pathways To gain further confidence in exhibiting design work to an audience. QUALIFICATIONS TO BE GAINED: Credits towards NCEA - University approved subject for University Entrance. COSTS: \$25	3.30	Initiate design ideas through exploration	3	4		
	3.32	Resolve a spatial design through graphics practice.	3	6		
	3.31	Develop a visual presentation that exhibits a design outcome to an audience	3	6		
13 GRA		Contact: Mr Douglas				

DIGITAL TECHNOLOGY Level 3

Design and Manufacture Technology Level 2	US/AS	Title	INT/EXT	Cr	Li	N
ENTRY REQUIREMENTS Level 2 Digital Technology achieved. COURSE DESCRIPTION: Students taking Digital Technologies will learn not only how to use computers, but how the computers themselves function. Understanding in the area of digital media creation, wide area networks and information systems will be explored. QUALIFICATIONS TO BE GAINED: NCEA Level 3 Credits COSTS: N/A	AS91635	Implement complex procedures to produce a specified digital media outcome	INT	4		
	AS91641	Demonstrate understanding of wide area network technologies	INT	4		
	AS91634	Demonstrate understanding of complex concepts of digital media	INT	4		
	AS91632	Demonstrate understanding of complex concepts of information systems in an organisation	EXT	4		
13DGT		Contact: Mr Douglas				

HOSPITALITY: Level 3

Subject : 13 HOS	US	Title	INT/ EXT	Cr	Li	N
ENTRY REQUIREMENTS: The completion of US 167, and a further 8 credits in Level 2 Hospitality. COURSE DESCRIPTION: This course will offer training programmes based around Food Safety, Cookery and Nutrition. QUALIFICATIONS TO BE GAINED: Level 3 Unit Standards which contribute to a Level 3 Qualification in Hospitality. COSTS: A subject fee of \$ 100 is payable by the end of February. Additional consumable fees will apply to each student. Stationary will need to be supplied by the student.	US 168	Demonstrate knowledge of food contamination hazards, and control methods used in a food business.	INT	4		
	US 18497	Demonstrate knowledge of culinary terms and products.	INT	8		
	US 13343	Demonstrate knowledge of basic nutrition in commercial catering.	INT	5		
13HOS		Contact Person: Mr Douglas				

SOFT MATERIALS Level 3

13 Soft Materials	AS	Title	INT/ EXT	Cr	Li	N
ENTRY REQUIREMENTS: At least 10 credits Level 2 Soft Materials Technology, or in consultation with HOD. COURSE DESCRIPTION: The course aims to develop understanding of all aspects of textiles, fashion and design. Students are challenged to explore a wide variety of materials to meet design needs and in doing so develop their practical skills in textiles, fashion and design. QUALIFICATIONS TO BE GAINED: NCEA Level 3 credits (count towards University Entrance) COSTS: \$80	3.21	Implement complex procedures using textile materials to make a specified product.	INT	6		
	3.4	Develop a prototype considering fitness for purpose in the broadest sense.	INT	6		
	3.23	Implement complex procedures to create an applied design for a specified product.	INT	4		
	3.10	Undertake a critique of a technological outcome's design.	EXT	4		
13TSM		Contact Person: Mr Douglas				

Secondary –Tertiary Partnership

Via application students may select a subject for a polytechnic course. These are every Friday out of town. Standards shown here are an indication only. A commitment to attending every week is essential. Please see Mrs Cullen to discuss this.

Primary Industries - Introductory Skills in Agriculture and Animal Care

Programme Agriculture Level 2

Unit Standard	Description	Level	Credits
23540	Demonstrate knowledge of hazards, hazard control, and the consequences of injury in a rural work place	2	5
19116	Demonstrate knowledge of livestock behaviour and animal welfare	2	2
19112	Check and report on livestock	2	4
19114	Assist with handling and treatment of livestock	2	6
19044	Describe the legal requirements and occupational hazards associated with tractor use	2	3
24552	Check and drive a basic wheel tractor with an attached implement on flat terrain	2	5
24557	Demonstrate knowledge of the safe operation of an All Terrain Vehicle (ATV)	2	3
24554	Ride an All Terrain Vehicle (ATV) on flat terrain	2	4
23541	Locate hazards, describe safety procedures and demonstrate safe work practices in a rural work place	2	5

Manufacturing & Technology - Introductory skills in Engineering

Programme ENGINEERING

Unit Standard	Description	Level	Credits
4436	Select, use, and care for engineering marking-out equipment	2	4
21907	Demonstrate and apply knowledge of safe welding procedures under supervision	2	3
2387	Assemble mechanical components under supervision	2	2
2395	Select, use and care for, engineering hand tools	2	4
21911	Demonstrate knowledge of safety on engineering worksites	2	2

Service Industries - Introductory skills in Beauty, Hair and Retail

Unit Standard	Description	Level	Credits
25439	Demonstrate knowledge of sustainability concepts for a salon	2	2
57	Provide customer service	2	2
62	Maintain personal presentation and a positive attitude in a workplace involving customer contact	2	3
27640	Demonstrate knowledge of current fashion trends and history related to beauty therapy	2	3
27641	Describe the relevance of anatomy and physiology knowledge of legislation applicable to sale of goods and services	2	4
405	Demonstrate knowledge of consumerism	2	3

Service Industries - Introductory skills in Café and Bar

Unit Standard	Description	Level	Credits
17285	Demonstrate knowledge of commercial espresso coffee equipment and recipes and prepare espresso beverages under supervision	2	4
17286	Prepare and present pressed coffee for service	2	2
17287	Prepare and present filtered coffee for service	2	2
17288	Prepare and present espresso beverages for service	3	5
14462	Maintain personal presentation and greet customers in the hospitality industry	2	2
14434	Prepare and clear areas for table service in a commercial hospitality environment	2	3
14436	Provide table service in a commercial hospitality environment	2	4

Social & Community Services

HEALTH and WELLBEING (Study in Dunedin)

Level 2 – Exercise and Health

Level 3 – Work towards the New Zealand Certificate in Health and Wellbeing (L3)

What will you do?

- Learn effective interpersonal skills
- Gain experience in whanau ora and community support services
- Understand basic disability and health procedures
- Understand basic health and recreation principles

Manufacturing & Technology

AUTOMOTIVE (Motor Industry) (Study in Dunedin)

Working towards the New Zealand Certificate in Automotive (L3)

What will you do?

- Strip and reassemble single and multi-cylinder engines
- Remove and refit car body equipment
- Vehicle servicing and repairs
- Build and test electrical circuits
- Make small electronic devices

Services Industry

COOKERY

Please note: This programme is delivered over two days per week. You will gain the New Zealand Certificate in Cookery (L3)

What will I do?

- Work in a commercial kitchen
- Prepare, cook and present dishes common to the industry
- Learn health and safety requirements
- Learn effective customer service and communication tech

HAIRDRESSING (Study in Dunedin)

You will be working towards the National Certificate in Hairdressing (L3) (Salon Support)

What will I do?

- Learn a range of hairstyling techniques
- Develop customer service
- Learn safe practices for working in a salon

MANAAKI TAUIRA (Study in Dunedin)

Please note: This programme is delivered in four block courses throughout the year, each course up to a week's duration. It is facilitated by the Kokiri Training Centre

What will I do?

- Learn from tutors and kaumātua
- Stay on marae
- Interact with Māori business leaders

Construction and Infrastructure Industry

BUILDING (Study in Balclutha)

Please note: This programme is delivered two days a week throughout the year. You will be expected to be working towards a New Zealand Certificate in Construction Trade Skills.

What will I learn?

- How to build a house
- Work as part of a team
- Introduction to other trades