

YEAR 13 SUBJECTS

ARTS Level 3

Painting Level 3

Painting	AS	Title	INT EXT	Cr	Li	N
<p>ENTRY REQUIREMENTS: Have completed a NCEA Level 2 course in Visual Art or approved by HOD Visual Art</p> <p>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. This is a University Entrance subject.</p> <p>QUALIFICATIONS TO BE GAINED: 18 NCEA Level 3 credits</p> <p>COSTS: \$80 for school materials used (\$40 Approx. for own paints and brushes) Possible trip to Top Art exhibition in Dunedin (Approx \$20)</p>	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		
		Contact Person: Mrs Williams				

DRAMA Level 3

Drama	AS	Title	INT EXT	Cr	Li	N
<p>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</p> <p>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.</p> <p>QUALIFICATIONS TO BE GAINED: Level Three drama</p> <p>COSTS: \$25 dollars per trip to the fortune theatre (Approx. 2 trips</p>	3.4	Theatre techniques		4	✓	
	3.2	Devised theatre		5	✓	
	3.7	Live theatre	EXT	4	✓	
	3.8	Script a scene (Optional)		5	✓	
	3.3	Demonstrate knowledge of a theatre form)	EXT	4	✓	
		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 (optional)	INT	8		
	3.10	Research	IN	6	√	
	3.3	Performance Groups (optional)	INT	4		
		VC Available				
		Contact Person: Mr Bertanees				

Commerce Level 3

ACCOUNTING Level 3

Accounting	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	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 - optional	EXT	4	√	√
	3.6	Demonstrate understanding of a job cost subsystem for an entity	INT	4	√	√
			Contact Person: Mrs Wright			

ECONOMICS Level 3

Economics	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 √	
	3.2	Demonstrate understanding of the efficiency of different market structures using marginal analysis	EXT	4	R W √	
	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 √	
		Contact Person: Mrs Wright				

ENGLISH and LANGUAGES Level 3

ENGLISH Level 3

English	AS	Title	INT EXT	Cr	Li	N
<p>ENTRY REQUIREMENTS: At least 10 English credits at Level 2 including 4 external credits. Students not meeting this requirement may be admitted at the discretion of the HOD.</p> <p>COURSE DESCRIPTION: This course develops student critical thinking and communication skills. Students will complete a core set of standards and may negotiate further standards depending on personal interest.</p> <p>QUALIFICATIONS TO BE GAINED: Credits towards NCEA Level 3 Reading and writing literacy credits required for University Entrance U.E. Course</p> <p>COSTS: N/A</p>	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	
	3.4	Produce a selection of fluent and coherent writing which develops, sustains and structures ideas.	INT	6	W	
	3.8	Develop an informed understanding of literature and/or language using critical texts.	INT	4	R	
	3.5	Create and deliver a fluent and coherent oral text which develops, sustains and structures ideas.	INT	3		
	3.7	Respond critically to significant connections across texts, supported by evidence	INT	4		
		Contact Person: Ms Beaumont				

Te Reo Maori

We will be offering a course combining Video Conferencing and support within school to learn Te Reo. The entry requirements, course description and standards to be completed will be confirmed at the start of 2023.

MATHEMATICS Level 3

MATHEMATICS WITH CALCULUS

Mathematics and Calculus	AS	Title	INT EXT	Cr	Li	N
<p>ENTRY REQUIREMENTS: HOD and Teacher recommendation and a pass in A/S/ 2.7 from Year 12</p> <p>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.</p> <p>QUALIFICATIONS TO BE GAINED: Credits toward NCEA Level 3 in Calculus and subject pass for U.E. in Calculus</p> <p>COSTS: Optional revision book - \$14</p>	3.1	Apply the geometry of conic sections in solving problems	INT	3		√
	3.3	Apply trigonometric methods in solving problems	INT	4		√
	3.4	Use critical path analysis in solving problems	INT	2		√
	3.6	Apply differentiation methods in solving problems	EXT	6		√
	3.7	Apply integration methods in solving problems	EXT	6		√
		Contact Person: Mr Sibley				

MATHEMATICS

Statistics	AS	Title	INT EXT	Cr	Li	N
<p>ENTRY REQUIREMENTS: HOD and Teacher recommendation and passes in A/S/ 2.9 and A/S/ 2.12 from Year 12</p> <p>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.</p> <p>QUALIFICATIONS TO BE GAINED: Credits toward NCEA Level 3 and subject pass in U.E. for Mathematics</p> <p>COSTS: Optional revision book - \$7</p>	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		√
		Contact Person: Mr Sibley				

PHYSICAL EDUCATION Level 3

PHYSICAL EDUCATION Level 3

Physical Education	AS	Title	INT EXT	Cr	Li	N
<p>ENTRY REQUIREMENTS: HOD and teacher recommendation. Achievement standard 2.3 and 2.6 have been achieved</p> <p>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.</p> <p>QUALIFICATIONS TO BE GAINED: 20 Credits towards NCEA Level 3 UE Literacy credits available</p> <p>COSTS: Leadership Trip approx.. \$130. Physical activity trip approx. \$40</p>	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				
			Contact Person: Mr Ensor			

OUTDOOR EDUCATION Level 3

Outdoor Education	US	Title	INT EXT	Cr	Li	N
<p>ENTRY REQUIREMENTS: Students to have completed Outdoor at Level 1 or 2 or have an interest in the outdoors</p> <p>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.</p> <p>QUALIFICATIONS TO BE GAINED: Credits towards NCEA Level 3</p> <p>COSTS: Contribution towards a range of practical trips and activities: approx. \$400.00</p>	20150	Demonstrate top rope rock climbing and belaying skills on Ewbank grade 14 and above	INT	2		
	20149	Lead climb on single pitch routes with bolts and in situ anchors	INT	2		
	26243	Demonstrate a managed abseil descent with secondary protection	INT	1		
	20817	Demonstrate mountain bike skills on grade 3 terrain	INT	2		
	32850	Participate in and evaluate a self contained multo day trip in an outdoor context	INT	2		
	32849	Roll a decked paddle craft on moving water	INT	2		
	427	Demonstrate crossing rivers	INT	2		
	4582	Complete red orienteering or rogaine courses	INT	2		
	19428	Demonstrate sea kayaking skills on coastal water	INT	2		
		Contact Person: Mr Palmer				

READY TO WORK Level 3

R2W (Ready To Work)	US	Title	INT EXT	Cr	Li	N
ENTRY REQUIREMENTS: Positive attitude towards investigating and preparing to possible career pathways. COURSE DESCRIPTION: This course is a fantastic opportunity to allow students to start preparation for their career journey that compliments pathways in Gore, Telford, or Dunedin. 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.	4251	Plan a career pathway	INT	3		
	1980	Describe from an employee perspective, ways of dealing with employment relationship problems	INT	3		
		A selection from:				
	1296	Interview in an informal situation	INT	3		
	12356	Demonstrate knowledge of consumer problems and ways to resolve them	INT	3		
	28100	Develop a plan to achieve a long-term personal financial goal	INT	4		
	2990	Read texts to research information	IN	4		
1307	Speak to a known audience in a predictable situation	INT	3			
1279	Write in plain English	INT	3			
		Contact Person: Mrs Scarth				

SCIENCE Level 3

BIOLOGY Level 3

Biology	AS	Title	INT EXT	Cr	Li	N
ENTRY REQUIREMENTS: Successful completion of Level 2 Science or Biology COURSE DESCRIPTION: This course is for pupils interested in Biology, it provides a solid background in essential biological knowledge for general life skills as well as for those going on to study any biological science. It is important for those planning to go into careers such as health care or veterinary. Biology underpins a great deal of science in society and working knowledge of biological principles enables pupils to actively participate as informed citizens. This source includes 2 externals which are required for UE but an additional internal maybe available in consultation with the teacher. The course maybe adjusted on consultation with the class at the beginning of the year. QUALIFICATIONS TO BE GAINED: 16 L3 Biology Credits / UE Biology COST: 2 field trips costs to be confirmed	91601	Carry out a practical investigation in a biological context, with guidance	INT	4	Y	Y
	91602	Integrate biological knowledge to develop an informed response to a socio-scientific issue	INT	3	Y	
	91603	Demonstrate understanding of the responses of plants and animals to their external environment	EXT	4	Y	
	91606	Demonstrate understanding of trends in human evolution	EXT	5	Y	
		Contact Person: Ms Murdoch				

CHEMISTRY Level 3

Chemistry	AS	Title	INT EXT	Cr	Li	N
<p>ENTRY REQUIREMENTS: Have completed Level 2 Chemistry</p> <p>COURSE DESCRIPTION: This course provides students with a better understanding and solid background for further study in a Chemistry related field and/or general knowledge for later life. Chemistry and scientific developments influence and contribute to our everyday life. The work is interesting, with practical and text based content.</p> <p>QUALIFICATIONS TO BE GAINED: 20 L3 credits</p> <p>COSTS: Approx \$20 for field trip costs</p>	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		
	3.7	Demonstrate understanding of oxidation-reduction processes	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 (optional)	EXT	5		
	3.6	Demonstrate understanding of equilibrium principles in aqueous systems	EXT	5		
		Contact Person: Mrs Bir				

PHYSICS Level 3

Physics	AS	Title	INT EXT	Cr	Li	N
<p>ENTRY REQUIREMENTS: Level 2 Mechanics External or by arrangement</p> <p>COURSE DESCRIPTION: At this level there are FOUR Achievement Standards that total to 17 credits. TWO 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, and nuclear physics) and will produce complex qualitative and quantitative explanations for a variety of unfamiliar situations.</p> <p>QUALIFICATIONS TO BE GAINED: 17 Credits at L3 in Physics,</p>	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 mechanical systems	EXT	6		
	3.5	Demonstrate understanding of Modern Physics	INT	3		
	3.2	(optional) Demonstrate understanding of the application of physics to a selected context	INT	3		
		Contact Person: Mr Sly				

SCIENCE Level 3

Science	AS	Title	INT EXT	Cr	Li	N
<p>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.</p> <p>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.</p> <p>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.</p> <p>QUALIFICATIONS TO BE GAINED: 15+ L3 Credits in Science (ESS, Biology, Physics, Chemistry, Ag+ Hort)</p> <p>COSTS: to be determined</p>	91410	Carry out an independent practical Earth and Space Science investigation	INT	4	Y	Y
	91411	Investigate a socio-scientific issue in an Earth and Space Science context	INT	4	Y	
	91415	FOR EXAMPLE Investigate an aspect of astronomy	INT	4	Y	
	91532	Analyse a New Zealand primary production environmental issue.	INT	5	Y	
	91601	Carry out a practical investigation in a biological context with guidance	INT	4	Y	Y
		Contact Person: Mr Swallow				

SOCIAL SCIENCES Level 3

GEOGRAPHY Level 3

Geography	AS	Title	INT EXT	Cr	Li	N
<p>ENTRY REQUIREMENTS: 10 credits in Year 12 Geography, History or English OR see Mr Beeby for permission.</p> <p>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: Event planning, Skills, Coastal processes, Marine Piracy and the accessibility of Milford Sound</p> <p>QUALIFICATIONS TO BE GAINED: 19 Credits towards NCEA</p> <p>COSTS: Te Anau Fieldtrip (\$160 in 2023)</p>	3.3	Analyse a significant contemporary event from a geographic perspective.	INT	3	R	
	3.4	Demonstrate understanding of a given environment(s) through selection and application of geographical concepts and skills.	EXT	4	RW	
	3.5	Conduct geographic research with consultation	INT	5		Y
	3.6	Analyse aspects of a contemporary geographic issue.	INT	3	R	
	3.7	Analyse aspects of a geographic topic on a global Scale	INT	3	R	
		Contact Person: Mr Beeby				

HISTORY Level 3

History	AS	Title	INT EXT	Cr	Li	N
<p>ENTRY REQUIREMENTS: 10 credits in Year 12 History, Geography or English.</p> <p>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, Invasion of Waikato, Early Contact Period 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.</p> <p>QUALIFICATIONS TO BE GAINED: 21 credits towards NCEA</p> <p>COSTS: Goldfields trip (\$180 2023)</p>	3.1	Research an historical event or place of significance to New Zealanders, using primary and secondary sources.	INT	5	R	
	3.2	Analyse an historical event or place of significance to NZ	INT	5	R	
	3.3	Analyse evidence relating to an historical event of significance to New Zealanders	EXT	4	RW	
	3.4	Analyse different perspectives of a contested event of significance to New Zealanders.	INT	5	R	
	3.5	Analyse the causes and consequences of a significant historical event.	EXT	6	RW	
		Contact Person: Mr Beeby				

TECHNOLOGY Level 3

DIGITAL TECHNOLOGY Level 3

Digital Technology	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		
		Contact: Mr Doherty				

ENGINEERING & TECHNOLOGY Level 3

Engineering & Technology (E&T)	US	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 improve their knowledge and skills in the fields of machining and sheet metal fabrication, engineering focussed. QUALIFICATIONS TO BE GAINED: ITO certificate at Level 3- Industry and NZQA recognised qualification. COSTS: Dependent on student driven projects selected. Students will only be charged for take home components from practical projects.	32052	Demonstrate knowledge of and produce development drawings and patterns for three-dimensional objects in MaPS environment	INT	4		
	32054	Produce components by performing engineering machining operations in MaPS environment	INT	7		
	32056	Perform fabrication operations in MaPS environment	INT	7		
		Contact Person: Mr Doherty				

BUILDING & TECHNOLOGY Level 3

Building (BTC)	US	Title	INT EXT	Cr	Li	N
<p>ENTRY REQUIREMENTS: Successful completion of Year 12 Building Technology Course – minimum credits 14 or HOD approval</p> <p>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.</p> <p>QUALIFICATIONS TO BE GAINED: Industry and NZQA recognised qualification.</p> <p>COSTS: Dependant on student driven project selected. Students will only be charged for take home components from practical projects.</p>	29677	Follow safe workplace practices, and contribute to a health and safety culture, in a BCATS environment.	INT	2		
	29678	Demonstrate knowledge of, select, and use materials for a Stage 3 BCATS project	INT	4		
	29679	Develop and use BCATS project documentation for a Stage 3 BCATS project.	INT	8		
	29682	Select, use, and maintain tools, equipment and machinery for a Stage 3 BCATS project.	INT	4		
		Contact: Mr Doherty				

DESIGN AND VISUAL COMMUNICATION Level 3

Design and Visual Communication	AS	Title	INT EXT	Cr	Li	N
<p>ENTRY REQUIREMENTS: Successful completion of Year 12 design course.</p> <p>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.</p> <p>QUALIFICATIONS TO BE GAINED: Credits towards NCEA - University approved subject for University Entrance.</p> <p>COSTS: \$80 for take home graphics equipment pack/ alternatively these can be purchased by the students themselves.</p>	91627	Initiate design ideas through exploration	EXT	4		
	91629	Resolve a spatial design through graphics practice.	INT	6		
	91630	Resolve a product design through graphics practice	INT	6		
	91628	Develop a visual presentation that exhibits a design outcome to an audience	INT	6		
	91631	Produce working drawings to communicate production details for a complex design	EXT	6		
		Contact: Mr Doherty				

HOSPITALITY Level 3

Food Technology	US	Title	INT EXT	Cr	Li	N
<p>ENTRY REQUIREMENTS: The completion of US 167, and a further 8 credits in Level 2 Hospitality.</p> <p>COURSE DESCRIPTION: This course will offer training programmes based around Food Safety, Cookery and Nutrition.</p> <p>QUALIFICATIONS TO BE GAINED: Level 3 Unit Standards which contribute to a Level 3 Qualification in Hospitality.</p> <p>COSTS: A donation of \$175 is payable by the end of February. Additional consumable fees will apply to each student. Stationary will need to be supplied by the student.</p>	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		
	US13314	Prepare and cook egg dishes in a commercial kitchen	INT	4		
	US13316	Prepare and cook basic pasta dishes in a commercial kitchen	INT	3		
	US 13343	Demonstrate knowledge of basic nutrition in commercial catering.	INT	5		
		Contact Person: Mr Doherty				

MATERIALS PROCESSING TECHNOLOGY Level 3

Materials Processing Technology (MPT)	US/AS	Title	IN T EX T	Cr	Li	N
<p>ENTRY REQUIREMENTS Successful completion of a year 12 Technology course and a genuine interest in product design and manufacturing industry and HOD approval.</p> <p>COURSE DESCRIPTION: Ākonga who study Materials and Processing Technology will develop knowledge about materials, techniques, and processes which are intrinsic to their application and use. They will learn to plan projects and develop specifications through design concepts and the use of briefs. They will create outcomes that address a need or opportunity. This course offers students University Entrance.</p> <p>QUALIFICATIONS TO BE GAINED: NZQA recognised qualification.</p> <p>COSTS: \$175 for take home components/practical projects</p>	AS91609	Undertake project management to support technological practice	INT	4		
	AS91610	Develop a conceptual design considering fitness for purpose in the broadest sense	INT	6		
	AS91620	Implement complex procedures to integrate parts using resistant materials to make a specified product	INT	6		
		Contact: Mr Doherty				

SOFT MATERIALS Level 3

Soft Materials	AS	Title	INT EXT	Cr	Li	N
ENTRY REQUIREMENTS: 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		
		Contact Person: Mr Doherty				

Friday off site options for Year 12 and Year 13

Opportunities in Balclutha

- **Big River homes** Y12 and Y13 (Level 3 and 4 credits) students learn by building a house. 2 days a week Wednesday and Thursday
- **Engineering experience** Y11 to Y13 work with a range of local employers in an engineering context on Fridays
- **Gateway** Y13 (Level 3 credits) – be supported in a local work place that suits your interests we recommend a Friday although this can be flexible – some places maybe offered to Y12
- **Work experience** Y11 to Y13 – gain experience in the workplace and develop your skills we recommend a Friday although this can be flexible

Transport will be provided for all of the following:

Opportunities at Telford

- **Farm skills** (Level 2 credits) learn hands on learning farm skills such as working with and looking after livestock
- **Equine** (Level 2 credits) learn about grooming, exercising, body systems, good health and treatment of horses

Opportunities in Gore

- **Engineering** (Level 2 credits) build and race a grass cart
- **Beauty therapy** (Level 2 credits) learn a range of salon skills
- **Hospitality - café / bar** (Level 2 credits) learn front of house skills

Opportunities in Dunedin

- **Automotive** (Level 2 credits) learn to become a Mechanic
- **Cookery / Chef** (Level 3 credits) learn to become a chef and gain an NZ certificate (2 days a week later in the year)
- **Cookery** (Level 2 credits) learn to become a chef and produce food in “real world” situations for Polytech students
- **Sport, exercise and health** (Level 3 credits) learn to become a physiotherapist or a personal trainer
- **Police pathway** (Level 3 credits) start looking at a career working in the Police
- **Construction** (Level 2 credits) gain the NZ Certificate in Building, Construction and Allied Trades
- **Beauty Therapy** (Level 2) beauty, make-up and fashion
- **Salon skills and hairdressing** (Level 2) hair styling, customer service, safe practices
- **Manaaki Tauira** a marae and classroom based food and hospitality course with a strong emphasis on Maori Culture and tradition

Opportunities in Invercargill

A range of options including: **Audio / Music Technology, Electrotechnology, Digital Design and Animation, Outdoor skills for emergency services, Art and Design, Hospitality, Health and Support services, Animal Care, Individual and group fitness, Massage therapy**