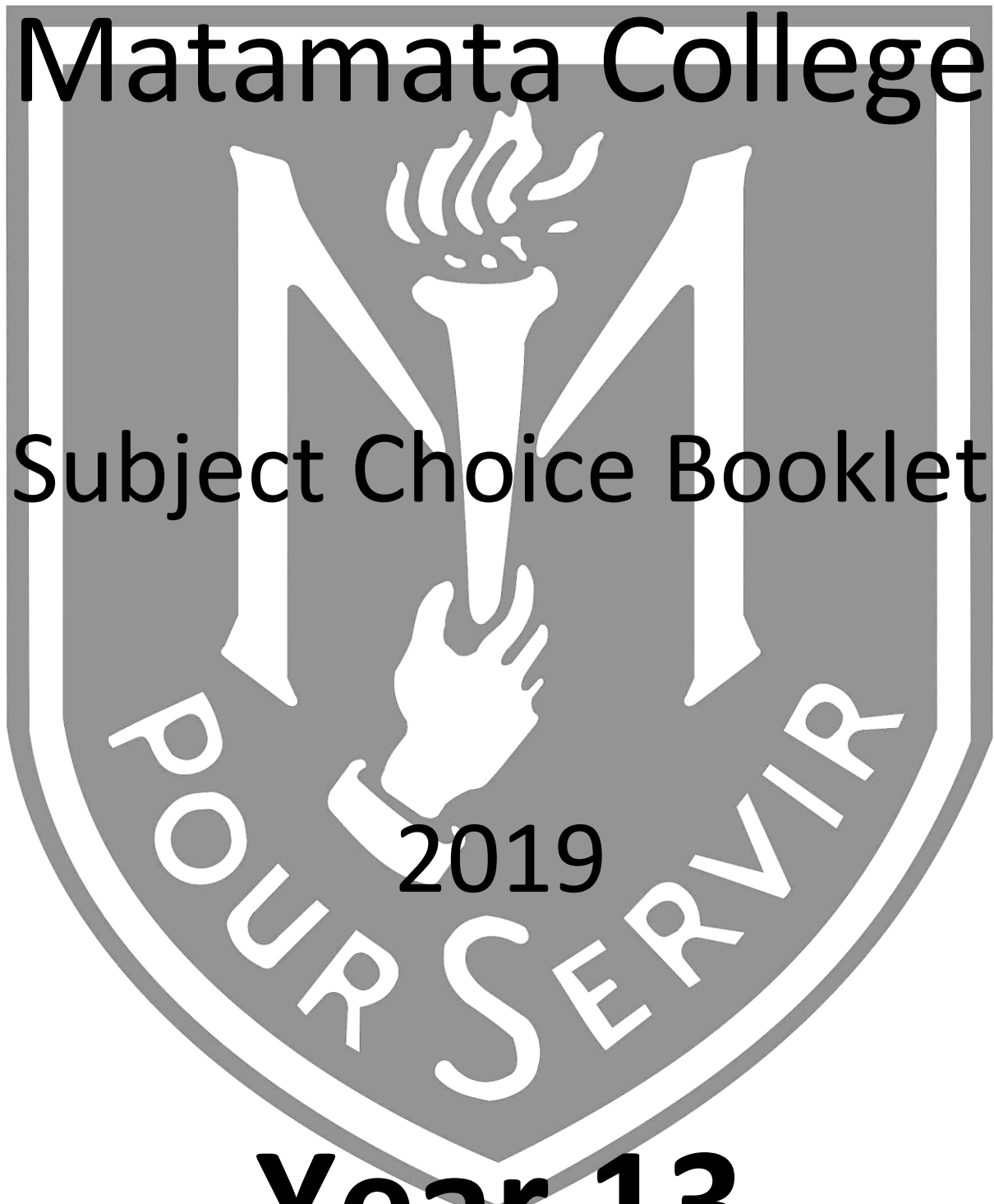


Matamata College

Subject Choice Booklet

2019

Year 13



Accounting (ACC300)		Commerce
Description This is a one-year course designed to enable students to develop the skills and knowledge required to continue to study Accounting at a tertiary level.	Qualification <ul style="list-style-type: none"> NCEA Level 3 UE Approved subject Course endorsement to Excellence 	
	Assessment Types <ul style="list-style-type: none"> Internal NZQA standards External NZQA standards 	
Course Content During the course students will: <ul style="list-style-type: none"> Process financial information and prepare financial statements for partnerships and companies Explore manufacturing job cost sub-systems Prepare information for management decision making Prepare a report for an external user that interprets the annual report of a NZ reporting entity 	Prerequisites ACC100	
	Costs None	
	Literacy Level <ul style="list-style-type: none"> Students will need good literacy skills 	
	Additional Notes Students must have completed ACC100 to be guaranteed entry into this course. Completion of ACC200 is also recommended.	

Agriculture / Horticulture (AGR300)		Science
Description A continuation of the Agriculture / Horticulture course started at Year 11 & 12 which is assessed under the Primary Industry Training Organization. The emphasis is on more advanced practical skills and Agriculture / Horticulture theory. (These credits are transferable to the NCEA Level 3 qualification) This course prepares students for: higher level study, life skills, direct links to the Polytechnics, on-job training and links with training providers	Qualification <ul style="list-style-type: none"> NCEA Level 3 National Certificate in Agriculture (Level 3) 	
	Assessment Types <ul style="list-style-type: none"> Internal NZQA standards ITO standards 	
Course Content <ul style="list-style-type: none"> Nursery Production Animal Anatomy & Physiology ATV Tractor Fencing Rural Workplace Injuries 	Prerequisites None. This course is an applied Science subject Students must be willing to get their hands dirty.	
	Costs A fee may be charged for any optional component, trip etc. related to this course. Parental/guardianship permission would be sought prior to the fee being charged.	
	Literacy Level <ul style="list-style-type: none"> Suits students at all literacy levels 	

Art Painting (ART300)		Art
<p>Description Painting at Level 3 prepares students for entrance to university and independent study. It is a highly personalised journey and students must be extremely motivated to succeed. They will build on skills and techniques acquired at Level 2 and develop their means of self-expression.</p>	<p>Qualification</p> <ul style="list-style-type: none"> • NCEA Level 3 • UE Approved subject • Course endorsements to Excellence 	
	<p>Assessment Types</p> <ul style="list-style-type: none"> • Internal NZQA standards • External NZQA standards 	
<p>Course Content This course is highly practical with some research and a great deal of practical application of ideas and techniques. The disciplines of drawing, printmaking and painting are covered in depth: This course assumes a high degree of personal interest and commitment, plus a developed ability to think creatively and originally.</p>	<p>Prerequisites Level 2 paint/photography & by arrangement</p>	
	<p>Costs \$55 Optional Stationery Art Pack</p>	
	<p>Literacy Level</p> <ul style="list-style-type: none"> • Students will need good literacy skills 	
	<p>Additional Notes Students must have completed ART100 to be guaranteed entry into this course. Completion of ART200 is also recommended.</p>	

Art Photography (ARP300)		Art
<p>Description Photography at Level 3 prepares students for entrance to university and independent study. It is a highly personalised journey and students must be extremely motivated to succeed. They will build on skills and techniques acquired at Level 2 and develop their means of self-expression.</p>	<p>Qualification</p> <ul style="list-style-type: none"> • NCEA Level 3 • UE Approved subject • Course endorsements to Excellence 	
	<p>Assessment Types</p> <ul style="list-style-type: none"> • Internal NZQA standards • External NZQA standards 	
<p>Course Content This course is highly practical with some research and a great deal of practical application of ideas and techniques. The discipline of photography and computer manipulation are covered in depth: This course assumes a high degree of personal interest and commitment, plus a developed ability to think creatively and originally.</p>	<p>Prerequisites Level 2 paint/photography & by arrangement</p>	
	<p>Costs \$25 Optional Stationery Art Pack</p>	
	<p>Literacy Level</p> <ul style="list-style-type: none"> • Suits students at all literacy levels 	
	<p>Additional Notes A digital SLR camera is helpful but not compulsory as there are some available for student use through a booking system.</p>	

Biology (BIO300)		Science
<p>Description</p> <p>The course further develops the Biological concepts covered at Level 2, including the structure and function of organisms from the molecular to the organ system level. Students will develop their understanding of how organisms adapt and respond to their environment and learn about human evolution. They will also carry out a thorough practical investigation and produce an evidence-based personal opinion on a controversial topic.</p> <p>Students will find this course useful if they are planning to have any career in Scientific Research, Medicine & Health, Environmental Studies, Horticulture or Agriculture.</p>	<p>Qualification</p> <ul style="list-style-type: none"> • NCEA Level 3 • Course endorsements to Excellence • UE Approved subject 	
	<p>Assessment Types</p> <ul style="list-style-type: none"> • Internal NZQA standards • External NZQA standards 	
<p>Course Content</p> <p>The areas of study are:</p> <ul style="list-style-type: none"> • How organisms respond to their environment • Detailed biological investigation • Human biological and cultural evolution • Homeostasis (how animals maintain a stable internal environment) • Biotechnological advances in gene transfer • Investigation of a socio-scientific issue 	<p>Prerequisites</p> <p>Students must have satisfactorily completed the Level 2 Biology course</p>	
	<p>Costs</p> <p>None</p>	
	<p>Literacy Level</p> <ul style="list-style-type: none"> • Students will need good literacy skills 	

Calculus (MAC300)		Mathematics
<p>Description</p> <p>This course encourages the development of mathematical skills. It is designed for students who may take up tertiary study in Mathematics, Sciences, Medicine, Engineering and related fields.</p>	<p>Qualification</p> <ul style="list-style-type: none"> • NCEA Level 3 • UE Approved subject • Course endorsements to Excellence 	
	<p>Assessment Types</p> <ul style="list-style-type: none"> • Internal NZQA standards • External NZQA standards 	
<p>Course Content</p> <p>The areas of study are</p> <ul style="list-style-type: none"> • Differentiation • Integration • Trigonometry • Complex numbers and equations 	<p>Prerequisites</p> <p>14+ Level 2 Mathematics Achievement Standards including Algebra, Calculus and Graphs</p>	
	<p>Costs</p> <p>None</p>	
	<p>Literacy Level</p> <ul style="list-style-type: none"> • Students will need good literacy skills 	
<p>Additional Notes</p> <p>Suitability for the course may be decided by consultation with the Learning Area Leader of Mathematics and the Year 13 Dean.</p> <p>A Graphics calculator is essential.</p>		

Chemistry (CHE300)		Science
<p>Description</p> <p>This course develops the ideas introduced from Year 12 Chemistry. It consists of 5 units of work developing research, practical skills and theoretical knowledge.</p> <p>Students will find this course useful if they are planning to pursue a career in the Science, Technology or Medical Sciences fields.</p>	<p>Qualification</p> <ul style="list-style-type: none"> • NCEA Level 3 • Course endorsements to Excellence • UE Approved subject 	
	<p>Assessment Types</p> <ul style="list-style-type: none"> • Internal NZQA standards • External NZQA standard 	
	<p>Prerequisites</p> <p>CHE200</p>	
	<p>Costs</p> <p>None</p>	
<p>Course Content</p> <ul style="list-style-type: none"> • Inorganic structure and bonding • Reduction and oxidation reactions • Aqueous solutions • Organic chemistry • Spectroscopy 	<p>Literacy Level</p> <ul style="list-style-type: none"> • Students will need good literacy skills 	
<p>Additional Notes</p> <p>Exceptional students with PSC100 and MAT101 can apply to be considered for the course.</p>		

Design and Visual Communication (DVC300)		Technology
<p>Description</p> <p>In Year 13 Design and Visual Communication you work on one project that covers either product or spatial design. You will be exposed to a professional advisor for your design ideas. You can choose to complete these projects using your strengths in sketching, computer aided drawing and model making.</p>	<p>Qualification</p> <ul style="list-style-type: none"> • NCEA Level 3 • UE Approved subject • Course endorsements to Excellence 	
	<p>Assessment Types</p> <ul style="list-style-type: none"> • Internal NZQA standards • External NZQA standards • Scholarship 	
	<p>Prerequisites</p> <p>Students should have experience of DVC200</p>	
	<p>Costs</p> <p>An A3 Visual Diary is required for this course. It can be purchased from school for \$12 (optional). A fee may be charged for any optional component, trip etc related to this course. Parental/guardianship permission would be sought prior to this fee being charged.</p>	
<p>Course Content</p> <p>What students are going to gain from the course:</p> <ul style="list-style-type: none"> • Project management skills • CAD skills (Archicad, Solid Works) • Graphic design skills (Photoshop) • Specialist product design knowledge • Specialist spatial design knowledge • Specialist graphic design knowledge • Specialist construction design knowledge 	<p>Literacy Level</p> <ul style="list-style-type: none"> • Students will need good literacy skills 	

Digital Computer Science (DCS300)		Digital Technology
<p>Description</p> <p>The aim of this course is to give students advanced computing skills needed for future employment. Students will learn how to use a range of computer hardware and software to solve problems to a high standard. Students will further develop skills in computer programming.</p>	<p>Qualification</p> <ul style="list-style-type: none"> • NCEA Level 3 • UE Approved Subject • Course endorsements to Excellence 	
	<p>Assessment Types</p> <ul style="list-style-type: none"> • Internal NZQA standards • External NZQA standard 	
	<p>Prerequisites</p> <p>Successful completion of DCS200 (or) Merit or above average in DIT200 (or) Successful completion of ENG201 or MAT201</p>	
	<p>Costs</p> <p>None</p>	
<p>Course Content</p> <ul style="list-style-type: none"> • Programming • Movie Making • Computer Science • Networking 	<p>Literacy Level</p> <ul style="list-style-type: none"> • Students will need good literacy skills 	
<p>Additional Notes</p> <p>UE in DCS300 is gained in the Technology domain.</p>		

Digital Information Technology (DIT300)		Digital Technologies
<p>Description</p> <p>This subject gives students the ability to refine their text processing skills enabling them to enter the workplace.</p> <p>Students planning to attend University will find the skills learnt very useful, especially those studying Arts, Economics or Accounting.</p>	<p>Qualification</p> <ul style="list-style-type: none"> • NCEA Level 3 • UE Approved Subject • Course endorsements to Excellence 	
	<p>Assessment Types</p> <ul style="list-style-type: none"> • Internal NZQA standards • External NZQA standard 	
	<p>Prerequisites</p> <p>Ideal if student has done Level 1 or Level 2 DIT or DCS but not essential.</p>	
	<p>Costs</p> <p>None</p>	
<p>Course Content</p> <p>What students are going to gain from the course:</p> <ul style="list-style-type: none"> • General Computer Literacy • Advanced Word Processing • Advanced Spreadsheet/Database • Advanced Presentation • Advanced Desktop Publishing • Information Systems 	<p>Literacy Level</p> <ul style="list-style-type: none"> • Suits students at all literacy levels 	

Drama (DRA300)		Drama
<p>Description</p> <p>This subject continues to build upon performance skills taught in DRA200. It focusses on developing students' practical experience of Drama and, in particular, performing for a large, live audience in a major production.</p> <p>Students will find this course useful if they are considering a career in a performance-based industry or any occupation that requires speaking to and managing large groups of people.</p>	<p>Qualification</p> <ul style="list-style-type: none"> • NCEA Level 3 • Course endorsements to Excellence • UE Approved subject 	
	<p>Assessment Types</p> <ul style="list-style-type: none"> • Internal NZQA standards • External NZQA standard 	
<p>Course Content</p> <ul style="list-style-type: none"> • Working with published script • Solo performance work • Devising Drama • Acting skills (based on Stanislavski's system) • Analysis and understanding of Drama processes and professional performance • Performing for a live audience 	<p>Prerequisites</p> <p>DRA200</p>	
	<p>Costs</p> <p>A fee may be charged for any optional component, trip (live theatre visits) etc. related to this course. Parental/guardianship permission would be sought prior to the fee being charged.</p>	
	<p>Literacy Level</p> <ul style="list-style-type: none"> • Students will need good literacy skills. 	

Economics (ECO300)		Commerce
<p>Description</p> <p>Economics is the study of the most efficient use of scarce resources and the choices that are made in the market. The Laws of Demand and Supply, marginal utility, allocative efficiency and equilibrium are modelled and analysed to gain an understanding of the impact of intervention in the market and such effects on pricing given the efficiency of different market structures.</p>	<p>Qualification</p> <ul style="list-style-type: none"> • NCEA Level 3 • UE Approved Subject • Course endorsements to Excellence 	
	<p>Assessment Types</p> <ul style="list-style-type: none"> • Internal NZQA standards • External NZQA standards 	
<p>Course Content</p> <p>The course is a one-year stand-alone course where prior knowledge of economics is useful but not essential. The course covers three main areas of Economics:</p> <ul style="list-style-type: none"> • Resource Allocation via the Private Sector • Resource Allocation via the Public Sector • The impact of market changes on buyers, sellers and the Government 	<p>Prerequisites</p> <p>None</p>	
	<p>Costs</p> <p>None</p>	
	<p>Literacy Level</p> <ul style="list-style-type: none"> • Students will need good literacy skills 	

English (ENG301-303)		English
Description Level 3 English is a dynamic course that encourages a high level of critical thinking, text analysis, lateral thinking and discussion based learning. The course is designed to prepare students to successfully engage at a first year university level. Level 3 English involves teaching, learning and assessment in the two areas of: <ul style="list-style-type: none"> • Creating Meaning – Listening, Reading and Viewing • Making Meaning – Speaking, Writing and Presenting 	Qualification <ul style="list-style-type: none"> • NCEA Level 3 • UE Approved Subject • Course endorsements to Excellence 	
	Assessment Types <ul style="list-style-type: none"> • Internal NZQA standards • External NZQA standard 	
Course Content The activities included in this course will involve: <ul style="list-style-type: none"> • Various writing tasks • Responding to various works of literature. e.g. short stories, poetry, novels and films • In addition, the course will emphasise speaking to an audience and constructing visual texts. The course will build on skills established in Year 12. 	Prerequisites Level 2 English – 14 Credits	
	Costs None	
	Literacy Level <ul style="list-style-type: none"> • Students will need good literacy skills 	
Additional Notes Suitability for the course will be decided by consultation with the Learning Area Leader of English and Year 13 Dean.		

English for Speakers of Other Languages (ELL300)		Languages
Description This course has been developed to assist learners whose first language is not English, to achieve English language skills across all levels and gain NCEA credits.	Qualification <ul style="list-style-type: none"> • NCEA Level 3 	
	Assessment Types <ul style="list-style-type: none"> • Internal NZQA standards • Unit standards • Formative and Summative 	
Course Content <ul style="list-style-type: none"> • Demonstrate understanding of detailed spoken instructions • Participate in spoken transactions • Participate in a formal interview • Write a response for a specific purpose • Read and understand texts on familiar topics • Write texts on familiar topics 	Prerequisites English is not your first language	
	Costs NZQA IELTS if entered	
	Literacy Level <ul style="list-style-type: none"> • Suits students with English literacy needs 	

Fashion & Design (FDT300)		Soft Materials Technology
<p>Description</p> <p>This subject gives students the opportunity to work with a client to develop fashion to meet their needs. Practical and theory assignments will help students understand business practice in textile trades and industries.</p> <p>Students will find this course useful if they want to work in the fashion, interior design or textile industries or if they want to learn more advanced sewing skills.</p>	<p>Qualification</p> <ul style="list-style-type: none"> • NCEA Level 3 • Course endorsement to Excellence 	
	<p>Assessment Types</p> <ul style="list-style-type: none"> • Internal NZQA standards • External NZQA standard 	
<p>Course Content</p> <ul style="list-style-type: none"> • Developing designs for a client or yourself • Sewing garments or articles for a client or yourself • Drafting and making patterns 	<p>Prerequisites</p> <p>Year 11 or 12 Fashion and Design</p>	
	<p>Costs</p> <p>There is a cost associated to this course for a student to construct a garment. Students will calculate the cost of their garment. Parental/guardianship permission would be sought prior to this cost/fee being charged. This must be paid in full before the garment can be taken home. Suitable fabrics for garments are available at school but students may wish to choose and purchase their own fabric.</p>	
	<p>Literacy Level</p> <ul style="list-style-type: none"> • Students will need good literacy skills 	
<p>Additional Notes</p> <p>Advanced lined garments of the student's choice are the expected standard. This is a UE Approved subject.</p>		

Food & Nutrition (FNT300)		Soft Technology
<p>Description</p> <p>This is an academic course of study in Food and Nutrition and will be of interest to students who are keen to continue tertiary studies in Food Technology, Nursing, Health related careers and Sport Science. Students will study and research nutritional issues that affect the individual as well as the wider community and New Zealand society. All assessments are essay based and students should have very good literacy and research skills.</p>	<p>Qualification</p> <ul style="list-style-type: none"> • NCEA Level 3 • UE Approved subject 	
	<p>Assessment Types</p> <ul style="list-style-type: none"> • Internal NZQA Achievement Standards • An External Achievement standard will be offered 	
<p>Course Content</p> <ul style="list-style-type: none"> • Explore a current nutrition issue affecting New Zealand society • An investigation into how multinational food companies have changed the eating patterns of New Zealand families • Analyse a food related ethical dilemma for New Zealand society 	<p>Prerequisites</p> <p>None</p>	
	<p>Costs</p> <p>The cost to the department for materials to deliver this course is \$70. A donation/contribution can be paid on your student's account. A fee may be charged for any optional component, trip etc. related to this course. Parental/guardianship permission would be sought prior to this fee being charged.</p>	
	<p>Literacy Level</p> <ul style="list-style-type: none"> • Students will need good literacy skills 	
<p>Additional Notes</p> <p>Food and Nutrition is an academic subject. Students do not need to have previously studied Foods or Hospitality at senior level but they must have sound research and literacy skills. Please note that only one period in each six-day cycle will be devoted to practical work. Students are expected to wear an apron and hair net (supplied) during all practical lessons. The wearing of correct footwear is a requirement in the kitchen.</p>		

French (FRE300)		Languages
<p>Description Students studying Year 13 French will develop their language skills to an extent where they will be able to present arguments, discuss problems and express themselves imaginatively in French.</p> <p>Course Content</p> <ul style="list-style-type: none"> • French literature • Society issues e.g. immigration • Film study 	<p>Qualification</p> <ul style="list-style-type: none"> • NCEA Level 3 • UE Approved subject 	
	<p>Assessment Types</p> <ul style="list-style-type: none"> • Internal NZQA standards • External NZQA standards 	
	<p>Prerequisites NCEA Level 2 French (minimum 12 credits)</p>	
	<p>Costs None</p>	
	<p>Literacy Level</p> <ul style="list-style-type: none"> • Students will need good literacy skills 	

Gateway (GTY300)		Careers
<p>Description Open for all Year 13 students. Gateway involves completion of work placements in industries of your choice combined with tertiary and trade theory papers to gain credits toward NCEA Level 3 and support future career choices. Suitable for those intending on gaining full-time or part-time employment, tertiary study at university or polytechnic and those seeking apprenticeships.</p> <p>Course Content</p> <ul style="list-style-type: none"> • Industry placements vary between one day per week, half days, weekend and holiday, dependent upon student and employer schedule. • Health & Safety and First Aid Certificates • Industry based Level 3 credits or tertiary institute papers from your field of choice and suited to individual student requirements • Attendance at various short courses, tertiary visits and one day taster events • Career-based events and training • Creation of individual vocational plan and CV • Linked with local employers, job and training opportunities 	<p>Qualification</p> <ul style="list-style-type: none"> • Towards NCEA level 3 	
	<p>Assessment Types</p> <ul style="list-style-type: none"> • ITO standards • Unit standards 	
	<p>Prerequisites Students selected after an interview process and must be prepared to commit to completing unit standard and short courses</p>	
	<p>Costs None</p>	
	<p>Literacy Level</p> <ul style="list-style-type: none"> • Suits students at all literacy levels 	
<p>Additional Notes Gateway is open for all year 13 students and is chosen over and above your 5 year 13 subjects. Students are expected to use study periods and own time to complete industry related tertiary papers.</p>		

Geography (GEO300)		Social Science
<p>Description A study of mainly the cultural environments; the issues in these and the interactions. Geography is a useful subject for those looking at Resource Management; Planning; Environmental Studies or any future studies at University. It also encourages students to take a holistic view of things which is a high level of interpretation.</p>	<p>Qualification</p> <ul style="list-style-type: none"> • NCEA Level 3 • Course endorsements to Excellence • UE Approved subject 	
	<p>Assessment Types</p> <ul style="list-style-type: none"> • Internal NZQA standards • External NZQA standards 	
<p>Course Content</p> <ul style="list-style-type: none"> • Cultural processes shaping the environment • Natural processes shaping the environment • Geographic concepts and skills • Analysis of contemporary events; issues and global topics 	<p>Prerequisites AT LEAST ONE reading or writing Level 2 English standard is required. AND new geographers are at the discretion of the LAL.</p>	
	<p>Costs TBC. Possibility of an optional overnight fieldtrip of around \$300</p>	
	<p>Literacy Level</p> <ul style="list-style-type: none"> • Students will need good literacy skills 	

History (HIS300)		Social Sciences
<p>Description Course content aims to explore the impact of Empire on world history, and New Zealand and India's experience of British Imperialism. Employers and tertiary providers love the skills History fosters, such as; critical thinking about ideas, researching, processing and synthesising information, and the communication of good arguments.</p>	<p>Qualification</p> <ul style="list-style-type: none"> • NCEA Level 3 • Course endorsement to Excellence • UE Approved subject 	
	<p>Assessment Types</p> <ul style="list-style-type: none"> • Internal NZQA standards • External NZQA standards • All standards earn literacy credits 	
<p>Course Content</p> <ul style="list-style-type: none"> • Research • Interpretation of historical sources • Appreciation of significant people, decisions and events and their relevance to New Zealand 	<p>Prerequisites English 201 or 202</p>	
	<p>Costs None</p>	
	<p>Literacy Level</p> <ul style="list-style-type: none"> • Students will need good literacy skills 	

Hospitality (HTY300)		Soft Technology
<p>Description</p> <p>This course is both a practical skills-based course as well as theoretical. It is offered to students who would like to expand their culinary skills prior to pursuing a career in the Hospitality Industry, Restaurant Management or Tourism.</p>	<p>Qualification</p> <ul style="list-style-type: none"> NCEA Level 2 & 3 	
	<p>Assessment Types</p> <ul style="list-style-type: none"> Internal Level 2 and Level 3 NZQA Unit Standards 	
<p>Course Content</p> <p>Students will demonstrate knowledge of food contamination hazards, coffee origin and production, culinary products and terms and prepare expresso beverages. Complex sandwiches and preserves will also be prepared.</p>	<p>Prerequisites</p> <p>Students must have US167 gained from Level 2 Hospitality</p>	
	<p>Costs</p> <p>The cost to the department for materials to deliver this course is \$70. A donation/contribution can be paid on your student's account. A fee may be charged for any optional component, trip etc. related to this course. Parental/guardianship permission would be sought prior to this fee being charged.</p>	
	<p>Literacy Level</p> <ul style="list-style-type: none"> Students will need good literacy skills 	
<p>Additional Notes</p> <p>This subject is not a University Entrance approved subject and some Level 2 Hospitality Unit Standards may be offered. Students will be supplied with a uniform and this will be worn during all practical lessons. The wearing of correct footwear is a requirement in the kitchen.</p>		

Māori (MAO300)		Languages
<p>Description</p> <p>This course is for students who have already obtained NCEA Level 1 and 2 Te Reo Māori. It is a NCEA Level 3 course. It enables students to increase their listening, reading, writing and speaking skills at an advanced level.</p>	<p>Qualification</p> <ul style="list-style-type: none"> NCEA Level 3 Te Reo Māori UE Approved subject 	
	<p>Assessment Types</p> <ul style="list-style-type: none"> Internal NZQA standards External NZQA standard 	
<p>Course Content</p> <p>A variety of learning opportunities based on current learning contexts, modern themes and topics as well as the local history and knowledge of the people and the area.</p>	<p>Prerequisites</p> <p>NCEA Level 1 & 2 Te Reo Māori Entry is at the discretion of the Learning Area Leader</p>	
	<p>Costs</p> <p>None</p>	
	<p>Literacy Level</p> <ul style="list-style-type: none"> Suits students at all literacy levels 	

Māori Performing Arts (MPA200/300)		Languages
Description This course will provide scope for the extension of knowledge and skills in the area of Māori performing arts.	Qualification <ul style="list-style-type: none"> NCEA Level 2 & 3 	
	Assessment Types <ul style="list-style-type: none"> Internal NZQA standards 	
Course Content This course includes Poi, Haka , Mau rākau, Whakaraka, Waiata-a- ringa, Moteatea and historical research.	Prerequisites Entry is at the discretion of the HOD	
	Costs None	
	Literacy Level <ul style="list-style-type: none"> Suits students at all literacy levels 	

Mathematics (MAT300)		Mathematics
Description This course encourages the development of mathematical skills useful in employment and everyday situations.	Qualification <ul style="list-style-type: none"> NCEA Level 3 UE Approved subject 	
	Assessment Types <ul style="list-style-type: none"> Internal Level 3 Achievement standards 	
Course Content The areas of study are: <ul style="list-style-type: none"> Networks Linear Programming Simultaneous Equations Critical Paths Conic Sections Time Series 	Prerequisites Students should have achieved 14+ Level 2 Mathematics credits	
	Costs None	
	Literacy Level <ul style="list-style-type: none"> Students will need good literacy levels 	
Additional Notes Suitability for the course will be decided by consultation with the Learning Area Leader of Mathematics and the Year 13 Dean. A Graphics calculator is essential.		

Media Studies (MED300)		Media Studies
<p>Description</p> <p>This subject helps students develop analytical skills, gain an awareness of the world around them and helps them to understand how media texts create meaning.</p> <p>Students will find this course useful as many occupations require applicants to have an understanding of the media and the wider society.</p>	<p>Qualification</p> <ul style="list-style-type: none"> • NCEA Level 3 • UE Approved Subject • Course endorsements to Excellence 	
	<p>Assessment Types</p> <ul style="list-style-type: none"> • Internal NZQA standards • External NZQA standard 	
	<p>Prerequisites</p> <p>Achieved English Level 2</p>	
	<p>Course Content</p> <ul style="list-style-type: none"> • Production experience and planning and design skills through creating their own products • Understanding of genre • Analysis skills via media texts & research 	
<p>Costs</p> <p>None</p>		<p>Literacy Level</p> <ul style="list-style-type: none"> • Students will need good literacy skills
<p>Additional Notes</p> <p>Media Studies will help students to become more critically aware of the world around them.</p>		

Music (MUS300)		Music
<p>Description</p> <p>This course allows students to create a personalized learning program based on strengths and interests in music. Skills developed in Level 2 are also enhanced.</p> <p>Students will find this course useful if they are planning to pursue a career in music or just have a strong interest in music.</p>	<p>Qualification</p> <ul style="list-style-type: none"> • NCEA Level 3 • UE Approved subject • Course endorsements to Excellence 	
	<p>Assessment Types</p> <ul style="list-style-type: none"> • Internal NCEA Achievement Standards • External NCEA Achievement Standards • Internal NCEA Unit Standards 	
	<p>Prerequisites</p> <p>At least four years instrumental/vocal training Achieved Music Level 2</p>	
	<p>Course Content</p> <ul style="list-style-type: none"> • Individual programs are designed by the student in consultation with the teacher to best meet their musical needs and wants 	
<p>Costs</p> <p>None</p>		<p>Literacy Level</p> <ul style="list-style-type: none"> • Students will need good literacy skills
<p>Additional Notes</p> <p>Students must receive either private or itinerant lessons on their chosen instrument.</p>		

Physics (PHY300)		Science
<p>Description Physics provides the essential problem solving skills and conceptual understanding required to progress in careers such as engineering, construction, medicine, pharmacy, physiotherapy, aviation and electronics. The course builds on concepts covered in Level 2 Physics.</p> <p>Course Content</p> <ul style="list-style-type: none"> • Mechanics - momentum, force and motion, rotation, simple harmonic motion • Electromagnetism - DC and AC electricity, capacitance, magnetism • Wave motion - travelling and standing waves, interference, Doppler effect 	<p>Qualification</p> <ul style="list-style-type: none"> • NCEA Level 3 • Course endorsements to Excellence • UE Approved subject 	
	<p>Assessment Types</p> <ul style="list-style-type: none"> • Internal NZQA standard • External NZQA standards 	
	<p>Prerequisites</p> <ul style="list-style-type: none"> • PHY200 • MAT200 	
	<p>Costs None</p>	
	<p>Literacy Level</p> <ul style="list-style-type: none"> • Students will need good literacy skills 	
<p>Additional Notes Students taking Physics can also do any of the other sciences offered by the school.</p>		

Physical Education Biophysical (PEB300)		Physical Education
<p>Description Using the knowledge skills and attitudes gained in Level 2 students will be challenged to critically think about Physical Education in their lives, their community and society. They will take action to enhance the wellbeing of themselves and others.</p> <p>Students with a keen interest in sport, fitness, leisure and recreation will enjoy this course. Those wishing to go on to tertiary study or a career in this area, the Health sector or Event management could take this course.</p> <p>Course Content</p> <ul style="list-style-type: none"> • Biophysical principles • Physical performance of skills in a variety of settings • Performance programme evaluation • Skill analysis • Sociology of sport • Health promotion and evaluation • Leadership in physical activity context 	<p>Qualification</p> <ul style="list-style-type: none"> • NCEA Level 3 • Course endorsements to Excellence • UE Approved subject 	
	<p>Assessment Types</p> <ul style="list-style-type: none"> • Internal Achievement Standards 	
	<p>Prerequisites Completion and passing at least 14 credits at PEB200 an advantage. Students new to this subject at the discretion of the Learning Area Leader.</p>	
	<p>Costs A fee may be charged for any optional component, trip etc. related to this course at approx. \$150. Parental/guardianship permission would be sought prior to the fee being charged.</p>	
	<p>Literacy Level</p> <ul style="list-style-type: none"> • Suits students at good literacy levels 	

Physical Education Sociology (PES300)		Physical Education
<p>Description</p> <p>Using the knowledge skills and attitudes gained in Level 2 students will be challenged to work in a range of environments to develop the capacity for leadership and lifelong wellbeing.</p> <p>This course is suited towards those wishing to go into a job/profession where they will be working with other people and/or promoting physical activity.</p>	<p>Qualification</p> <ul style="list-style-type: none"> NCEA Level 3 	
	<p>Assessment Types</p> <ul style="list-style-type: none"> Internal NZQA standards 	
<p>Course Content</p> <ul style="list-style-type: none"> Safety management in physical activity/outdoor education contexts Contemporary leadership principles Physical performance of skills in a variety of settings including tough girl/guy challenge Impact of physical activity on lifelong wellbeing Assisting in running outdoor experiences 	<p>Prerequisites</p> <p>Completion and passing at least 14 credits at PEB200 or PES200 an advantage. Students new to the subject at the discretion of Learning Area Leader.</p>	
	<p>Costs</p> <p>A fee may be charged for any optional component, trip etc. related to this course at approx. \$110. Parental/guardianship permission would be sought prior to the fee being charged.</p>	
	<p>Literacy Level</p> <ul style="list-style-type: none"> Suits students at all literacy levels 	

Statistics (MAS300)		Mathematics
<p>Description</p> <p>This course encourages the development of mathematical skills which support employment in many different occupations. Tertiary studies in Biological Sciences, Health Sciences and Social Sciences often require a sound knowledge of Statistics.</p>	<p>Qualification</p> <ul style="list-style-type: none"> NCEA Level 3 UE Approved subject Course endorsements to Excellence 	
	<p>Assessment Types</p> <ul style="list-style-type: none"> Internal NZQA standards External NZQA standards 	
<p>Course Content</p> <p>The areas of study are</p> <ul style="list-style-type: none"> Time series Statistical inference Probability Concepts Linear Programming Bivariate data Probability distributions 	<p>Prerequisites</p> <p>14+ Level 2 Mathematics Achievement Standards including a Statistics Standard (a pass in a Level 2 Mathematics External Standard is strongly preferred)</p>	
	<p>Costs</p> <p>None</p>	
	<p>Literacy Level</p> <ul style="list-style-type: none"> Suits students with above average literacy levels 	
<p>Additional Notes</p> <p>Suitability for the course will be decided by consultation with the Learning Area Leader of Mathematics and the Year 13 Dean.</p> <p>A Graphics calculator is essential.</p>		

Tourism (TOU300)		Social Sciences
Description The tourism industry is important for any student to study as it brings in foreign currency, allows for cultural exchanges between people and creates employment.	Qualification <ul style="list-style-type: none"> NCEA Level 3 	
	Assessment Types <ul style="list-style-type: none"> Internal NZQA unit standards National certificate in Tourism ITO assessments 	
Course Content <ul style="list-style-type: none"> The structure of the New Zealand Tourism Industry is examined along with developmental organisations and supporting services Destination topics are offered: Australia; Pacific Islands; Regional New Zealand The economic significance of Tourism is described and analysed for the world and New Zealand economy 	Prerequisites None – TOU200 would be an advantage	
	Costs A fee may be charged for any optional component, trip etc. related to this course at approx. \$50. Parental/guardianship permission would be sought prior to the fee being charged.	
	Literacy Level <ul style="list-style-type: none"> Suits students at all literacy levels 	

Trades (TRA300)		Hard Technology
Description This course is a Building and Construction course designed for those students wishing to pursue a career in this industry. Because of the nature of the practical work we build a limit of 15 students max has been placed on this class.	Qualification <ul style="list-style-type: none"> NCEA Level 2 & 3 	
	Assessment Types <ul style="list-style-type: none"> Internal NZQA unit standards 	
Course Content The course participants will construct a small timber sleep out complete with lighting, windows and doors.	Prerequisites Students must have taken CAT100 & CAT200 to be eligible to enrol on this course or at the discretion of the Learning Area Leader.	
	Costs None	
	Literacy Level <ul style="list-style-type: none"> Suits students with a fair/good literacy level 	

Wood Technology (WWK300)		Hard Technology
<p>Description</p> <p>This course extends the teacher directed Level 2 programme into a course designed to meet individual requirements for the work place and future education.</p>	<p>Qualification</p> <ul style="list-style-type: none"> • NCEA Level 3 	
	<p>Assessment Types</p> <ul style="list-style-type: none"> • Internal NZQA unit standards 	
<p>Course Content</p> <p>With teacher guidance, students plan a year's programme. The programme includes NZQA units of work and practical projects based around restoration projects and personal furniture items. The course may include the use of fixed machinery and the restoration of furniture.</p>	<p>Prerequisites</p> <p>Students must have had previous Woodwork experience at Level 1 or 2, or entry will be at the discretion of the Learning Area Leader.</p>	
	<p>Costs</p> <p>The cost to the Wood department for materials to deliver this course is \$20. A donation/contribution can be paid on your student's account. Items the student makes and wants to take home may incur additional costs, depending on the amount of extra materials used. Parental/guardianship permission would be sought prior to a fee being charged. This must be paid in full before the product can be taken home.</p>	
	<p>Literacy Level</p> <ul style="list-style-type: none"> • Suits students with a fair/good literacy level 	

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