



YEAR 12 SUBJECTS – 2025

Students at Cambridge High School are able to choose from a broad range of subjects aimed at meeting the needs of all students. It is important for parents/caregivers and students to give course selection the time and attention that is required.

Students should challenge themselves in a manner appropriate to their ability. Over half our students in all senior levels should aim for a Level 1, 2 or 3 NCEA Merit or Excellence Endorsement (accumulated across all subjects). Specific Subject Merit or Excellence Endorsements are also encouraged. These are attained if a student receives at least 14 Merit or Excellence credits in a specific subject. Students aiming to gain University Entrance should take at least four University approved subject pathways.

All students in Year 12 take six subjects. At Year 12, English is compulsory. Mathematics and Physical Education are highly recommended.

A subject will only run provided there is sufficient demand to make class sizes practical.

Every effort is made to ensure that as many students as possible are able to study a programme of their choice. It is a priority of the school to answer student need and accommodate as many students' choices as possible. For a small number of students there may be a timetable clash and an alternative subject may have to be chosen. Students affected by a clash will be notified in December.



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Accounting - ACC2

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Accounting gives students the tools to make real life decisions in a constantly changing and uncertain world. It is the process of preparing and communicating financial information to a wide range of users. At this level, Accounting helps organisations to be accountable to stakeholders for their actions by investigating systems and processing data using the XERO software programme.

Topics include: Inventory subsystem. Using accounting software. Financial statements. Interpreting accounting information. Accounts receivable subsystem.

Internal	External	UE Reading	UE Writing	Endorsement
10	9			Yes
Prerequisites: 10 credits in Commerce Where does this lead: Level 3 Accounting Parental Contribution: Nil Days out of School: Nil				

Art Design - DES2

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Level 2 Art Design is a practical course developing creative visual skills and critical thinking. Students will extend their understanding of skills, methods and ideas in physical and digital media by making visual designs to achieve specific design outcomes.

Assignments in the course cover the use of drawing methods to apply knowledge of design conventions, developing ideas in a related series of works for a design project. A major folio project will produce a body of work that shows understanding of design conventions and ideas.

Internal	External	UE Reading	UE Writing	Endorsement
8	12			Yes
Prerequisites: Level 1 Art including achievement in AS 91914 and AS 91915, and the approval of the HOF Arts. Where does this lead: Level 3 Art Design Parental Contribution: Approximately \$50 Days out of School: Nil				



Art - Painting or Printmaking - ART2

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“Art makes the world sit up and wonder”. Do you see yourself in a creative future in the Creative Industries? Here’s the place to further develop your personal artistic portfolio to demonstrate your talents for tertiary courses and employers.

Level 2 Art is a practical course developing skills in the fields of painting or printing. Students develop skills and knowledge in: Creative and critical thinking about making images, and; Extending understanding of methods and ideas.

Students will use two internal assignments to explore the methods and practices of artists relating to a set theme of the local environment. They will then produce a folio submission showing their individual development of ideas and methods related to their personal response to the theme.

Internal	External	UE Reading	UE Writing	Endorsement
8	12			Yes
<p>Prerequisites: Level 1 Art including achievement in AS 91914 and AS 91915 and the approval of the HOF Arts. Where does this lead: Level 3 Art Parental Contribution: Approximately \$75 Days out of School: 1</p>				

Automotive Engineering - AUT2

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This is a continuation of Level 1 Automotive Engineering. Students must have a genuine interest in Automotive as a possible career or recreational hobby. Students must have demonstrated they are capable of working safely in a practical environment as some industrial machines will be used.

Credits are made up from Industry Unit Standards which allow students to gain credits towards NCEA Level 2 and a career in Automotive Engineering. The course is a mixture of theoretical and practical assessment tasks.

Topics include: Identify the general locations and functions of motor vehicle systems and main components. Service automotive cooling systems. Service an automotive battery. Change the fluid and bleed a brake hydraulic system. Demonstrate knowledge of basic tuning on a four stroke petrol engine. Explain the operation of two and four stroke petrol and diesel engines. Carry out basic tuning on a four stroke petrol engine under supervision.

Internal	External	UE Reading	UE Writing	Endorsement
20				No
<p>Prerequisites: It is an advantage to have completed Level 1 Automotive Engineering, however, students with an interest in Automotive Engineering will be considered at the discretion of the Teacher in Charge. Where does this lead: Level 3 Automotive Parental Contribution: Additional project costs Days out of School: Nil</p>				



Biology - BIO2

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This course is designed for students who wish to undertake careers or tertiary study that involve Biology or are interested in the science of the living world. One internally assessed standard involves a day out of school at the Maungatautari Ecological Island to collect data.

Topics include: Demonstrate understanding of genetic variation and change. Describe the consequences of human activity within a biophysical environment in relation to a sustainable future. Demonstrate understanding of life processes at the cellular level. Carry out a practical investigation in a biology context, with supervision. Demonstrate understanding of gene expression.

Internal	External	UE Reading	UE Writing	Endorsement
8	12			Yes
Prerequisites: Achieved in the Biology Internal (92020) plus one other Internal/External Standard in Level 1 Science. Where does this lead: Level 3 Biology Parental Contribution: Course Book approximately \$30 Days out of School: 1				

Business Studies – BUS2

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In Business Studies, students develop their understanding of business theory and practices in a range of relevant contexts. Studying business contributes to the development of a culture of enterprise in New Zealand and supports our efforts to improve economic and community well-being.

Studying business enables students to appreciate the issues that challenge businesses and stakeholders. In a rapidly changing world, it is important that citizens are able to make informed and rational decisions about business matters.

Topics include: Internal Operations, External Factors, Motivational Theory, Market Research, Carry out a Business Activity.

Internal	External	UE Reading	UE Writing	Endorsement
15	8			Yes
Prerequisites: Level 1 English and the HOF discretion Where does this lead: Level 3 Business Studies Parental Contribution: Optional Field Trip \$145 Days out of School: 1				



Careers – CRS

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This course aims to assist students to develop employability skills and their work readiness.

They will complete a wide range of Unit Standards to help prepare them for the future world of work

The course is available for students interested in exploring careers and planning potential pathway options. There is the potential to gain a minimum of 20 credits through Unit Standards.

- Students are class-based working on industry related units.
- Interested students may undertake learning and assessment where possible in a work placement, approximately one day a week ideally over 10 weeks.

Internal	External	UE Reading	UE Writing	Endorsement
20				No
<p>Prerequisites: Approval of HOF Careers/Interview. Must complete Expression of Interest Form 2025</p> <p>Where does this lead: Industry related certificates, relevant work experience, knowledge for tertiary courses or employment.</p> <p>Parental Contribution: Non completion of course(s) may incur a cost.</p> <p>Days out of School: Some students spend approximately one day per week, ideally over 10 weeks, in a workplace appropriate to their interests.</p>				

Carpentry - CAR2

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Carpentry 2 is all about consistency and precision. Projects are designed to challenge students' abilities to produce dependable results. Students refine skills gained in Carpentry 1 to build two different projects, such as an Adirondack chair and a folding worktable. On completion of this course, students should gain 18 credits at Level 2 towards Stage 1 BCITO National Certificate in Carpentry.

Topics include: Construct wooden garden furniture; safe working practice; portable power tools; and use of planning tools to complete projects.

Internal	External	UE Reading	UE Writing	Endorsement
18				No
<p>Prerequisites: Level 1 Carpentry at the discretion of the HOF Technology and a willingness to adhere to safe practice in the workshop.</p> <p>Where does this lead: Level 3 Carpentry</p> <p>Parental Contribution: \$190</p> <p>Days out of School: Nil</p>				



Catering and Hospitality - CHY2

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This course works towards credits for a Diploma in Hospitality Level 2 and Certificate in Cookery Level 2. It is aimed at students who may be already working in the food industry as well as those who have an interest in the Hospitality Industry. Students will be required to attend at least one after school cook to comply with assessment requirements.

Topics include: Catering for functions; Food Safety; Salads; Sandwiches; Baking; Frying; Grilling; Hot and cold drinks.

Internal	External	UE Reading	UE Writing	Endorsement
20				No
Prerequisites: 19 credits from Level 1 Food and Nutrition or Catering and Hospitality and consultation with the Teacher in Charge. Students must be capable of working safely in a practical situation. Where does this lead: Level 3 Catering and Hospitality Parental Contribution: \$200 Days out of School: Some assessments are carried out after school hours.				

Chemistry - CHE2

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This course is designed for students who wish to undertake careers that involve Chemistry or are interested in science of the material world. It is an introduction to basic concepts of Chemistry and leads to learning beyond school.

Note: Most universities recommend two sciences be taken by students wishing to enter a University Science programme.

Topics include: Identify ions in solution. Demonstrate an understanding of bonding structure and energy changes. Demonstrate an understanding of chemical reactivity. Demonstrate an understanding of oxidation-reduction. Demonstrate understanding of the properties of selected organic compounds.

Internal	External	UE Reading	UE Writing	Endorsement
6	13			Yes
Prerequisites: Achieved in the internal achievement standard for Chemistry and an Achieved in the Physics Internal Achievement Standard in Level 1 Science. A reasonable standard of Mathematics is required. Where does this lead: Level 3 Chemistry Parental Contribution: Nil Days out of School: Nil				



Classical Studies - CLS2

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Classical Studies aims to give students experiences with Greek and Roman civilisation. The course focuses around understanding the life of early Romans through studying the lost city of Pompeii, the third Servile war (Spartacus) and the Empire of Augustus. Students will uncover the ideas and values of Greek society through their study of the Odyssey – a Greek hero's voyage home from the Trojan War.

Topics include: Examine ideas and values of the classical world. Examine a significant event in the classical world. Demonstrate understanding of socio-political life in the classical world. Demonstrate understanding of the influence of aspects of the classical world on other cultures.

Internal	External	UE Reading	UE Writing	Endorsement
10	10	20	10	Yes
Prerequisites: 10 or more Achievement Standard credits including at least 4 external credits in Level 1 English or History. Where does this lead: Level 3 Classical Studies and/or History Parental Contribution: Nil Days out of School: Nil				

Consumer Citizenship - CMC2

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Consumer Citizenship at Level 2 continues to equip students with essential skills for financial literacy, empowering them to make informed decisions and manage their personal finances effectively. Through the exploration of key topics, students deepen their understanding of financial planning and management, providing them with practical skills and knowledge, preparing them for the challenges and opportunities of adult life.

Topics Covered:

- Taxation and Other Deductions
- Significant Life Events
- Banking Products and Services
- Living in Rented Accommodation
- Savings and Investment
- Innovative Thinking Techniques
- Consumer Law
- Purchasing Goods and Services

Internal	External	UE Reading	UE Writing	Endorsement
22				No
Prerequisites: 14 Credits in any Level 1 course or HOF Commerce discretion Where does this lead: Level 3 Consumer Citizenship Parental Contribution: Nil Days out of School: 1				



Dance - DCE2

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This course is a student led course that will provide opportunities to continue developing knowledge in dance. From a project-based perspective, students will increase their understanding of a particular genre of dance. This includes looking at the history and developments through time and performance skills in each era.

The second project will look to enhance their skills of creating their own choreography and improving performance skills. Experiences in workshops with Footnote Dance, the Royal New Zealand Ballet and The New Zealand Dance Company, as well as other guest choreographers, will help enhance their thought processes.

Topics include: Choreograph a solo and/or group dance to communicate an intention. Perform an ethnic or social dance to communicate understanding of a style. Perform a theatre dance to communicate understanding of the dance. Perform a repertoire of dance. Interpretation of a dance performance.

Internal	External	UE Reading	UE Writing	Endorsement
22	4			Yes

Prerequisites: The approval of the TIC Dance

Where does this lead: Level 3 Dance

Parental Contribution: Nil

Days out of School: 4

Design and Visual Communication - DVC2

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This course covers Spatial or Product Design.

It leads onto any field which includes design, and complements areas where an understanding of working drawings is required such as Architecture, Product design, Construction and Engineering.

Topics include: Communicate design ideas using visual communication techniques. Produce working drawings to communicate technical details of a design. Use the characteristics of a design movement or era to inform own design ideas. Develop a spatial or product design through graphics practice. Use visual communication techniques to present own design.

Internal	External	UE Reading	UE Writing	Endorsement
13	7			Yes

Prerequisites: 10 Credits in Level 1 Design and Visual Communication or at the discretion of Teacher in Charge.

Where does this lead: Level 3 Design and Visual Communication

Parental Contribution: \$45 plus portfolio stationery

Days out of School: Nil



Digital Technologies Science – DTS2

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This course provides students with learning opportunities in a range of digital areas and computer applications. Students develop skills by completing a project in the areas of Programming, Digital Electronics or Digital Media. Students also gain essential Technological skills.

Students will be guided in their choices in creating a suitable individual course from the options available.

Topics may include: conducting an inquiry to propose a digital technologies outcome; applying conventions to design; using advanced processes to develop a digital technologies outcome; using advanced techniques to develop a digital, a computer programming, or electronics outcome; and demonstrate understanding of a computer science concept.

Internal	External	UE Reading	UE Writing	Endorsement
13 - 15	6			Yes
Prerequisites: Students will need to have satisfactorily completed Year 11 Digital Technologies. Where does this lead: Level 3 Digital Technologies Science Parental Contribution: Nil Days out of School: Nil				

Drama - DRA2

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Students will work collaboratively to investigate, devise, perform and reflect upon the ways in which Drama has been used in the past and is used now to reflect and comment upon society. This course builds upon the skills learnt in Level 1 Drama and continues to build and foster creativity, confidence, communication, compassion, culture, collaboration and critical thinking, all of which are important life skills and relevant to any job sector. Students will have the opportunity to perform to a range of audiences. Commitment to extra rehearsals is expected. Students will have opportunities to attend live theatre performances along with attending workshops by leading NZ theatre practitioners.

Topics include: Apply drama techniques in a scripted context. Devise and perform a drama to realise an intention. Perform a substantial acting role in a scripted production. Discuss drama elements, techniques, conventions and technologies within live performances.

Internal	External	UE Reading	UE Writing	Endorsement
14	4	9		Yes
Prerequisites: A minimum of 15 credits in Level 1 Drama including AS 91942 or approval from Head of Drama. Where does this lead: Level 3 Drama Parental Contribution: \$30 Days out of School: 5				



Economics - ECO2

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In Level 2 Economics students will explore the dynamics of New Zealand's economic environment where they will gain a comprehensive understanding of the factors that shape the well-being of individuals within an economy. This course will help students gain relevant real-world knowledge to apply to practical situations throughout their life. The course equips students with practical skills and analytical tools to navigate real-world economic challenges.

Topics Covered:

- Inflation
- Unemployment
- Economic Growth
- Statistical Analysis
- Government Policy

Through this range of macro-economic topics, students will gain valuable world-based knowledge and be able to interpret economic changes throughout New Zealand, aiding them in becoming informed about economic activity and capable of contributing positively to the socio-economic development of their communities.

Internal	External	UE Reading	UE Writing	Endorsement
14	8	10	8	Yes
Prerequisites: 15 credits in Level 1 Commerce or HOF Commerce discretion. Where does this lead: Level 3 Economics Parental Contribution: Nil Days out of School: Nil				

Engineering - EEN2

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The aim of this course is to provide students with engineering skills. In particular, students will learn how to select, care and use engineering tools and machinery safely, select materials and use these skills on practical engineering tasks.

Topics include: Demonstrate knowledge of safety on engineering worksites. Select, use and care for engineering marking and equipment. Select, use and care for engineering dimensional measuring equipment. Implement advanced procedures using resistant materials. Assemble mechanic components under supervision. Select, use and maintain portable handheld engineering power tools. Select, use and care for engineering hand tools.

Internal	External	UE Reading	UE Writing	Endorsement
18				No
Prerequisites: Satisfactory completion of Level 1 Material Technology, Engineering or Automotive Engineering or a clear interest in entering the Engineering Trade with the discretion of the HOF Technology. Where does this lead: Currently no Level 3 Pathways Parental Contribution: \$130 + cost of additional components Days out of School: Nil				



English - ENG2

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This course focuses on analytical skills of a variety of written, visual and/or oral texts, through the lens of a class whāinga. This umbrella theme or issue channels exploration of how texts are crafted intentionally to create meaning and challenge societal ideas. Students will have the opportunity to create appropriate written and oral texts to convey their thinking, and meet assessment criteria. There are two compulsory external papers in this course, both of which hold UE Reading and Writing credits.

Students who complete this course successfully are well placed to face critical thinking in Level 3 English.

Internal	External	UE Reading	UE Writing	Endorsement
12	8	8	14	Yes
Prerequisites: 15 credits in the Level 1 English mainstream course. Where does this lead: Level 3 English Parental Contribution: Nil Days out of School: Nil				

English Enhancement - ENH2

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This is a course for students who have demonstrated a desire to engage in English but who need extra support and a more measured rate to be able to achieve. This course is structured around a range of texts that will engage curiosity and encourage students to think about societal issues in assessments. Students will gain awareness of the features of written, visual and oral language and how they are used.

Topics could include: Writing Portfolio, Speech, Connections and Close Viewing.

Internal	External	UE Reading	UE Writing	Endorsement
17			6	No
Prerequisites: Students will be selected by the HOF English based on their performance in their Level 1 English class. Where does this lead: English Enhancement 3 Parental Contribution: Nil Days out of School: Nil				



English for Academic Purposes – EAP

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Students who have a first language other than English are eligible to apply for this course. The course is designed to support access to the senior curriculum, and to prepare students for entry to tertiary institutions. Students in this programme regularly gain success in the IELTS, and other international examinations. Differentiation of tasks and assessments is provided according to need. EL assessments are offered at Levels 2 and 3. Students often do this course alongside level 1 English.

Topics include - How the brain works and learning strategies. Learning academic vocabulary. Demonstrate understanding of spoken text. Read and understand texts. Academic writing.

Internal	External	UE Reading	UE Writing	Endorsement
25				No
Prerequisites: Available to students at CEFR B1/B2 level who have a first language other than English. Where does this lead: Nil Parental Contribution: Nil Days out of School: Nil				

English for Speakers of Other Languages – ESOL

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Students who have a first language other than English are eligible to apply for this course. The course is designed to support access to the curriculum and help students develop English for interpersonal interaction. Assessments at Foundation Level 1 and Level 1 are offered.

Topics include - Complete basic forms on familiar topics. Read and understand simple texts on familiar topics. Demonstrate understanding of simple spoken information on familiar topics.

Internal	External	UE Reading	UE Writing	Endorsement
28				No
Prerequisites: Available to students at CEFR A1/A2 level who have a first language other than English Where does this lead: English for Academic Purposes Parental Contribution: Nil Days out of School: Nil				



Fitness and Recreation - FIT2

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This course aims to provide students with a basic understanding of fitness concepts and training methods, while developing leadership and coaching skills. Topics include the planning and implementation of sporting events focused on personal fitness and health, basic anatomy and physiology applied through designing and monitoring fitness programmes, and development of leadership skills running a recreation activity for their school. The type of student this attracts suits individuals who do not see Sport Science as a viable career path at Cambridge High School. More able students should take Sport Science.

Students cannot take both Fitness and Recreation and Sport Science.

Topics include: Demonstrate, instruct and monitor static stretching. Perform a physical activity in an applied setting. Demonstrate understanding of the application of biophysical principles to training for physical activity. Evaluate leadership strategies that contribute to the effective functioning of a group.

Internal	External	UE Reading	UE Writing	Endorsement
15				No
Prerequisites: Interest in fitness and developing life skills Where does this lead: Level 3 Fitness and Recreation Parental Contribution: Nil Days out of School: Nil				

French - FRE2

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The aim of the course is to further develop confidence in speaking and writing French, and to learn more about French life and culture. Students may be able to participate in the Swiss-NZ Exchange programme. The year includes a cinema trip and a research trip.

Topics include: Demonstrate understanding of a variety of French texts on familiar matters. Give a spoken presentation in French that communicates information, ideas and opinions. Interact using spoken French to share and justify information, ideas and opinions on different situations. Write a variety of text types in French for genuine purposes.

Internal	External	UE Reading	UE Writing	Endorsement
14	10			Yes
Prerequisites: 15 credits in Level 1 French or the discretion of HOF Languages Where does this lead: Level 3 French Parental Contribution: Nil Days out of School: 2				



Geography - GEO2

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Level 2 builds on the skills and content learnt at Level 1. The Geographic Issue focusses the students on Animal Agriculture and the impacts it has on human health and the global environment. This study uses the Cowspiracy movie to highlight the energy and resource requirements for our meat and dairy consumption as well as the economic trade-offs. The Global Study involves learning the location, factors causing and significance of Tropical Rainforests.

A highlight is the Level 2 Field Trip and Research topic. A two-day trip designed to expose students to the variety of land uses, and their impacts at Mount Maunganui develops an understanding how both people and place can be protected and enhanced. The external examinations consist of Skills, which leads on from Level 1 and the study of a Large Natural Environment – The Amazon. This fascinating topic leads us from the snow-capped mountains in the west to the densely vegetated Rainforest in the East.

Internal	External	UE Reading	UE Writing	Endorsement
11	12	8	8	Yes
Prerequisites: 10 Achievement Standard credits in Level 1 Geography and/or 18 Achievement Standard credits in Level 1 English. Where does this lead: Level 3 Geography Parental Contribution: Mount Maunganui Optional Field Trip \$100 Days out of School: 2				

Health - HTH2

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Studying this course aims to allow students to meet and manage change in a positive way and to understand and appreciate the impact that individuals and groups can have on relationships by influencing behaviour, beliefs, decisions and a sense of self-worth. Students will have the opportunity to analyse societal issues that shape community health goals and explore experiences which can shape an individual's ability to cope with change and develop resilience. Students will also use interpersonal skills effectively to develop personally.

Topics include: Analyse an adolescent health issue. Evaluate factors that influence people's ability to manage change. Take action to enhance an aspect of people's wellbeing within the school or wider community. Analyse issues related to sexuality and gender to develop strategies for addressing the issues.

Internal	External	UE Reading	UE Writing	Endorsement
15	5			Yes
Prerequisites: Open Entry Where does this lead: Level 3 Health Parental Contribution: Nil Days out of School: Nil				



History - HIS2

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Students will learn a variety of History skills, for example; essay writing, how to analyse historical evidence and oral history, research, source and resource interpretation. The course content will involve in-depth studies of personal experiences of The Holocaust and why it is important that this event is remembered correctly. A New Zealand topic revolves around The Battle of Rangiriri and involves a field trip to sites in the northern Waikato area.

Topics include: Carry out an inquiry for an historical event or place that is of significance to New Zealanders. Examine an historical event, or place, of significance to New Zealanders. Examine sources of an historical event of significance to New Zealanders. Interpret different perspectives of people in an historical event of significance to New Zealanders. Examine causes and consequences of a significant historical event.

Internal	External	UE Reading	UE Writing	Endorsement
14	9	23	9	Yes
Prerequisites: 15 credits at Level 1 History or 16 credits in Level 1 English Where does this lead: Level 3 History and Level 3 Classical Studies Parental Contribution: \$40 Optional Field Trip Days out of School: 1				

Japanese - JAP2

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The aim of the course is to extend student's ability to communicate in Japanese and provide a positive and enjoyable view of the way of life and culture in Japan. Exchanges to Japan may be available. A trip to a restaurant may be offered.

Topics include: Demonstrate understanding of variety of spoken Japanese on familiar matters. Give a spoken presentation in Japanese that communicates information, ideas and opinions. Interact using spoken Japanese to share and justify information, ideas and opinions in different situations. Demonstrate understanding of variety of written/visual Japanese text(s) on familiar matters. Write a variety of texts types in Japanese for genuine contexts.

Internal	External	UE Reading	UE Writing	Endorsement
14	10			Yes
Prerequisites: 15 credits in Level 1 Japanese. Where does this lead: Level 3 Japanese Parental Contribution: Nil Days out of School: Nil				



Mandarin- MND2

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The aim of the course is to further develop confidence in speaking and writing Mandarin and to learn more about Chinese Culture.

Topics include: Demonstrate understanding of variety of spoken Mandarin. Give a spoken presentation that communicates a personal response in Mandarin. Interact using spoken Mandarin to share and communicate personal information and opinions in different situations. Demonstrate understanding of variety of Mandarin text on areas of most immediate relevance. Write a variety of texts on areas of most immediate relevance in Mandarin.

Internal	External	UE Reading	UE Writing	Endorsement
14	10			Yes
Prerequisites: 15 credits in Level 1 Mandarin or at the discretion of the HOF Languages. Where does this lead: Level 3 Mandarin Parental Contribution: Nil Days out of School: Nil				

Materials Technology Engineering - MTE2

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This is an Achievement Standard course that is project-based.

Topics include: Select and use planning tools to manage the development of the outcome. Demonstrate understanding of the role of material evaluation in product development. Undertake effective development to make and trial a prototype. Develop a conceptual design for an outcome.

Internal	External	UE Reading	UE Writing	Endorsement
16	4			Yes
Prerequisites: Satisfactory completion of Level 1 Materials Technology or HOF discretion Where does this lead: Level 3 Materials Technology Engineering Parental Contribution: \$130 plus extra materials Days out of School: Nil				



Materials Technology Textiles - MTT2

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This is a Level 2 Technology Achievement Standard course where students have the chance to plan and carry out projects that are essentially textiles based. This course is a combination of the design process and skills-based achievement standards.

Learning in this area includes the following: The use of the technology process. Using design ideas to produce a design for an outcome to address a brief. Undertaking effective development to make and trial a prototype. Demonstrating understanding of sustainability in relation to the textile industry.

Internal	External	UE Reading	UE Writing	Endorsement
15	4			Yes

Prerequisites: Successful completion of Year 11 Materials Technology Textiles, or at the discretion of the HOF Technology.
Where does this lead: Level 3 Materials Technology Textiles
Parental Contribution: \$60 plus the cost of personal materials
Days out of School: Nil

Mathematics - MAT2

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This course prepares students for both Level 3 Calculus and Level 3 Statistics and Modelling courses. It consolidates and extends the work completed in Level 1 Mathematics.

Topics include: Coordinate Geometry; Trigonometric relationships; Apply systems of equations in solving problems. Solve algebraic problems. Use statistical methods to make an inference. Demonstrate understanding of probability.

Internal	External	UE Reading	UE Writing	Endorsement
11	8			Yes

Prerequisites: 15 Level 1 Mathematics Achievement Standard credits.
Where does this lead: Level 3 Mathematics with Statistics or Level 3 Mathematics with Calculus for high achieving students.
Parental Contribution: Nil
Days out of School: Nil



Mathematics Advanced - MAA2

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This course is designed for Level 2 students who work at an advanced level of Mathematics. Students will cover a wide range of different Mathematical methods where students will be encouraged to extend their abstract thinking.

Topics include: Coordinate Geometry; Trigonometric relationships; Apply systems of equations in solving problems. Solve algebraic problems. Apply calculus methods. Use statistical methods to make an inference. Demonstrate understanding of probability.

Internal	External	UE Reading	UE Writing	Endorsement
9	13			Yes
Prerequisites: 15 Level 1 Mathematics Achievement Standard credits and selection by HOF Mathematics. Where does this lead: Level 3 Mathematics with Calculus and Level 3 Mathematics with Statistics Parental Contribution: Nil Days out of School: Nil				

Mathematics Internal - MAI2

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This course is designed to help Mathematics students wishing to extend upon their skills and knowledge from Level 1 Mathematics. The course focuses on the Internal Level 2 Achievement Standards.

Topics include: Coordinate Geometry. Apply Trigonometric Relationships. Use networks to find optimal solutions. Use statistical methods to make inferences. Conduct an experiment to investigate a situation. Investigate a situation involving elements of chance using a simulation. Apply sequences and series in solving problems.

Internal	External	UE Reading	UE Writing	Endorsement
18				No
Prerequisites: 10 Achievement Standard credits from Level 1 Mathematics or 5 Achievement Standard credits from Level 1 Mathematics plus Numeracy CAA. This class will be selected by the HOF of Mathematics. Where does this lead: Level 3 Mathematics Statistics Internal or Level 3 Statistics and Modelling if students successfully meet the requirements. Parental Contribution: Nil Days out of School: Nil				



Media Studies - MED2

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Students will expand on their understanding of media concepts and theories while viewing, writing, and creating their own media products. Students will analyse narrative construction and representation in media products. They will consider the role that genre has on audiences and the film industry, as well as how media creators represent, shape, and influence groups of people, communities, and human behaviours.

Students will challenge media literacy through the analysis and practice of media skills and evaluation of concepts.

Internal	External	UE Reading	UE Writing	Endorsement
16	4	4	7	Yes
Prerequisites: Minimum of 10 Achievement Standard credits in Level 1 Media Studies or English or at the discretion of the Teacher in Charge of Media Studies. Where does this lead: Level 3 Media Studies Parental Contribution: Nil Days out of School: Nil				

Music - MUS2

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The Level 2 course is designed to meet the Level 7 curriculum objectives of the National Arts Curriculum. It allows students to achieve success with the Level 2 NCEA Music achievement standards, based on individual student needs and ability. The programme will continue to develop skills in: performance, composition, instrumentation and music technology.

This is achieved through a range of tasks which give each individual student the opportunity to develop to their full potential. Students follow pathways, based on their needs and abilities.

Topics include: Solo performance, Group performance, Composition, Instrumentation, Digital music and Audio Technology.

Internal	External	UE Reading	UE Writing	Endorsement
24				No
Prerequisites: Minimum of 15 Level 1 Music Achievement Standard credits and approval of the HOF Arts or TIC Music. Where does this lead: Level 3 Music Parental Contribution: \$50 Days out of School: 2				



Outdoor Education - OED2

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A broad course encompassing a wide variety of practical outdoor activities and environmental studies which are encountered in Level 1 Outdoor Education.

Topics include: Navigate in good visibility. Undertake overnight tramps with some survival skills. Demonstrate top rope climbing skills. Experience Abseiling. Cross Country and Downhill Mountain biking. Demonstrate kayaking skills on Grade 2 white water. Demonstrate rafting skills on slow moving water. Demonstrate basic movement skills and the use of an ice axe and crampons.

Internal	External	UE Reading	UE Writing	Endorsement
24				No
<p>Prerequisites: 15 credits in Level 1 Outdoor Education, consistently displays the school's REACH values and TIC Outdoor Education or HOF Physical Education discretion if places are available. Where does this lead: Level 3 Outdoor Education Parental Contribution: \$400 Days out of School: 10</p>				

Photography - PHO2

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Photography is an OPEN course that is a great skill to have in a wide range of industries. This is the course to begin your personal creative portfolio for entry into industry or tertiary courses. It is a great lead or support subject for many of the Digital, Creative and Media areas.

Level 2 Photography is a practical course in digital photography. Students develop skills in how to use our cameras and knowledge in creative and critical thinking about making images. It is a great skill based practical class for those who want to extend their interest in this area.

Students will learn the methods and techniques of leading photographers over the course of two internal assignments. They will then develop these skills as they work on their own personal theme for a folio submission, learning to creatively develop and critically extend visual ideas.

Internal	External	UE Reading	UE Writing	Endorsement
8	12			Yes
<p>Prerequisites: Open entry Where does this lead: Level 3 Photography Parental Contribution: Approximately \$24 Days out of School: Nil</p>				



Physical Education - PED2

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This is a practical skills-based course with emphasis on physical activities and participation in sport education modules. This course includes a variety of physical activity opportunities which seek to develop communication, leadership and self-management. Students will also gain their Workplace First Aid Certificate.

Topics include: Manage first aid in emergency situations. Provide first aid. Provide resuscitation Level 2. Consistently demonstrate social responsibility through applying a social responsibility model in physical education. Perform a physical activity to achievement level of the Physical Education performance standards for Level 2 in an applied setting.

Internal	External	UE Reading	UE Writing	Endorsement
11				No
Prerequisites: Open entry Where does this lead: Physical Education is not offered in Year 13 Parental Contribution: Nil Days out of School: 1				

Physics - PHY2

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Satisfy your curiosity about the workings of the world around us. This course develops versatile thinkers leading to a wide range of future-proof careers.

Topics selected from: Practical investigation leading to a non-linear relationship. Demonstrate understanding of mechanics. Demonstrate understanding of electricity and electromagnetism. Demonstrate understanding of atomic and nuclear physics. Demonstrate understanding of waves. Demonstrate understanding of physics relevant to a selected context.

Internal	External	UE Reading	UE Writing	Endorsement
7	12			Yes
Prerequisites: Achieved in the Physics internal standard in Level 1 Science; at least 10 credits in total in Level 1 Science. A strong Mathematics background is recommended for this course, in particular Algebra and Trigonometry. Where does this lead: Level 3 Physics Parental Contribution: \$30 course book Days out of School: 1				



Psychology - PSY2

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This course introduces students to the world of psychology. Students will gain an understanding of psychology through examining topics that include Social Psychology and how we behave in groups, Motivation, Health Psychology, Ethics and Psychological experiments.

Topics include: Examine different psychological approaches used to explain behaviour. Examine how a psychological debate has changed over time. Conduct psychological research with guidance. Examine how theory is used in fields of psychological practice. Examine ethical issues in psychological practice.

Internal	External	UE Reading	UE Writing	Endorsement
21		21		No
Prerequisites: 16 credits at Level 1 English and discretion of HOF/TIC Psychology Where does this lead: Level 3 Psychology Parental Contribution: Nil Days out of School: 1				

Science - SCI2

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This course is designed for students who wish to continue with Science in the senior school but want to cover a wider variety of sciences within a single option. The course provides a range of internal assessments that allow students to develop both their practical and applied science skills. It also offers a single external assessment that allows students to gain a subject endorsement and, depending on level of achievement, access to Level 3 Biology.

Topics include: Demonstrate understanding of genetic variation and change. Investigate how organisms survive in an extreme environment, Carry out a practical investigation in a biological context, with supervision. Investigate biological material at the microscopic level. Carry out a practical Earth and Space Science Investigation.

Internal	External	UE Reading	UE Writing	Endorsement
15	4			Yes
Prerequisites: 10 credits in Level 1 Science Where does this lead: Level 3 Biology, Level 3 Science. Parental Contribution: Nil Days out of School: Nil				



Sport Science – SPS2

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This course is a mixture of theory and practical sessions designed to build on knowledge attained in Level 1 Sport Science. Topics of study include anatomy and biomechanics applied through skill analysis, creating a training programme for improving fitness to complete a distance running event using methods and principles of training, analysis of risks through a challenging overnight outdoor trip and development of leadership skills through planning a physical activity opportunity for our junior students. Students will also spend a day visiting the Velodrome where they will complete practical labs alongside sport scientists to create potential future study or employment interest in this subject field.

Students cannot take both Fitness and Recreation and Sport Science.

Topics include: Evaluate leadership strategies that contribute to the effective functioning of a group. Describe how functional anatomy and biomechanical principles relate to performing physical activity. Examine the principles and methods of training and exercise physiology in relation to participation in physical activity. Perform a physical activity to meet the Physical Education Performance Standards for Level 2. Demonstrate knowledge of safety issues and apply safety management procedures.

Internal	External	UE Reading	UE Writing	Endorsement
20				Yes
Prerequisites: 10 credits Level 1 English, 10 credits Level 1 Sport Science or HOF discretion. Where does this lead: Level 3 Sport Science Parental Contribution: \$200 Days out of School: 4				

Te Ao Haka – TOH2

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The course provides opportunities to engage in te reo Māori (language), tikanga (traditional practice), hitiori (local history) and Te Ao Haka (Māori Performing Arts). Ākonga in Te Ao Haka discover, identify, access and explore foundational knowledge and ideas in and about Te Ao Haka. Ākonga will continue to work to and honour the aspirations of Waikato whānau hapū and iwi. Ākonga will explore and study the relevance of local narratives of Te Oko Horoi and have opportunities to present these key themes in a range of creative modes, including performances. Ākonga will work on values of pono (making right decisions), tauutuutu (reciprocity) and whanaungatanga (positive life-long connections).

This is a strengths-based subject that provides a positive yet disciplined learning experience. This course also prepares Te Piringa Māori O Taiwi for the Waikato Secondary Regionals.

Internal	External	UE Reading	UE Writing	Endorsement
12	8			Yes
Prerequisites: Successful completion of the Year 11 Te Ao Haka course. Parental Contribution: Nil Days out of School: 2				



Te Reo Maaori - MAO2

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Year 12 Te Reo Maaori is a highly interactive class. Te Reo Maaori will be used for most of each lesson during teaching instruction, student conversations and interactions. Students will further their language ability in the key areas of Listening, Reading, Writing and Speaking.

Topics include: Whakarongo i te reo o toona ao moohio. The student understands spoken language from a range of known contexts. Koorero i te reo o toona ao moohio. The student is able to speak on a topic from a range of known contexts. Paanui i te reo o toona ao moohio. The student understands written language from a range of known contexts. Tuhituhi i te reo o toona ao moohio. Writing text in Maaori on an unfamiliar topic. Paanui i ngaa tuhinga koorero moo teetahi atu. Reading comprehension.

Internal	External	UE Reading	UE Writing	Endorsement
12	12			Yes
Prerequisites: Level 1 Te Reo Maaori or at the discretion of the HOF Languages. Where does this lead: Level 3 Te Reo Maaori Parental Contribution: Nil Days out of School: Nil				

Tourism and Law - TOU2

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Tourism is a social, political, cultural, environmental and economic subject area. Aakonga are encouraged to consider past, present and future practices, to allow for a broad analysis of perspectives. Tourism engages students with relevant content that is applicable in both international and domestic industry contexts. We specifically explore the impact of Tourism on the environment, work roles, Maaori Tourism and popular travel destinations.

Our legal units challenge and inform aakonga, through specific ethical and moral considerations. Topics include Relationship Law and Crime & Consequences.

Internal	External	UE Reading	UE Writing	Endorsement
23				No
Prerequisites: Open entry and with consultation with the HOF Social Sciences. Where does this lead: Level 3 Tourism Parental Contribution: \$50 - \$80 Days out of School: 1				