



MARLBOROUGH GIRLS' COLLEGE

Te Kāreti Kōhine o Wairau

2023 Senior Course Selection Booklet

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Year 11 Course Selection Information

- All students will do English, Mathematics and Science
- Plus 3 other subjects

Note: There are Semester courses (½ year) available which allow students to explore a wider range of options.

Year 12 Course Selection Information

- All students must take English or Te Reo
- Plus 5 other subjects

Year 13 Course Selection Information

All students take 5 subjects.

The Arts

Drama 101 - DRA101 | Te Whakaari 101 Contact: Mrs Burrows

This course is designed to build on performance skills learnt in Junior courses. In Drama you can expect action based learning, a chance to engage your imagination and many opportunities to work creatively with others. You will explore performance through analysis of text, devising your own work and research into different playwrights.

You will also have the opportunity to learn about the historical, social, political and cultural context of plays and the implications of where and when they were written. It is expected that you are enthusiastic about performing in extra-curricular events as well as being given the opportunity to watch a variety of performances.

Drama 201 - DRA201 | Te Whakaari 201 Contact: Mrs Burrows

You will learn the skills to become a versatile performer - to go into an audition, grab a script, analyse it, choose a character and work out the best way to use their voice, body, movement and space to communicate that character to an audience.

You will have the opportunity to explore the world of theatre as you examine a variety of practitioners and playwrights. You will also have the opportunity to take one of the following production arts standards as part of your drama course.

- Costume Design
- Prop Design
- Sound Design

As part of this program you will benefit from school trips to see professional theatre. It is expected that you will be fully involved in extra-curricular activities such as the School Production, Shakespeare Festival and the Senior Drama Club to share their passion for performance with others.

Drama 301 - DRA301 | Te Whakaari 301 Contact: Mrs Burrows

You will develop a deeper understanding of how theatre can be influenced by the world around it such as politics, social media and the role that the audience can play in a performance.

The students will devise and structure performances that evoke discussion and empathy from an audience. You will also have the opportunity to take one of the following production arts standards as part of your Drama course:

- Costume Design
- Prop Design
- Sound Design

As part of this program, you will benefit from school trips to see professional theatre. It is expected that you will be fully involved in extra-curricular activities to share your passion for performance with others.

Music 101 - MUS101 | Te Puoro 101
Contact: Mrs Burrows

This course consists of a combination of standards that focus on the musical disciplines of:

- Solo Performance
- Group Performance
- Composition
- Aural and Score Reading/Theory

This course is designed for music students who wish to enhance their solo and group performance skills as well as their compositional skills. An extension of music literacy is also offered for students who want formal recognition of their music theory. It is expected that at this level students are fully involved in the extra-curricular activities of the Performing Arts department.

Music 201 - MUS201 | Te Puoro 201
Contact: Mrs Burrows

Level 2 Music consists of a combination of internally and externally assessed standards that focus on the musical disciplines of:

- Solo Performance
- Composition
- Aural and Score Reading/Theory
- Study of two Music works

Students will advance their skills in music performance and original composition. Advanced music technology and an extension of music theoretical literacy is also offered. It is expected that at this level students are fully involved in the extra-curricular activities of the Performing Arts department.

Music 301 - MUS301 | Te Puoro 301
Contact: Mrs Burrows

Level 3 Music is designed for advanced Music students who now want to specialise in either Music Performance or Composition; or both. Opportunities exist for instrumental or vocal specialists to extend into other performance areas (a second instrument). Students can now specialise in instrumental composition or original contemporary song writing and/or music arranging.

It is expected that students taking this course have advanced skill in their chosen fields. There will be opportunity to work alongside the Level 3 Drama course to create performances that can be performed outside of school such as community performances, and school productions.

Photography 201 - PHO201 | Te Hopu Whakaahua 201
Contact: Mrs Burrows

Students are taught to understand the ways in which photographs are made and the variety of contexts in which they are viewed. Students will learn how to use the manual camera and how to apply these with creative control.

The course will cover digital photographic processes including the use of Adobe Photoshop software and digital file management. The course will cover still life, studio and documentary photography. Students will study established artist models and use this knowledge to inform their own work. They will then generate and develop ideas to produce a body of work in the form of a folio submission at the end of the year.

Photography 301 - PHO301 | Te Hopu Whakaahua 301
Contact: Mrs Burrows

Students will extend their knowledge of photographic practice within a visual art context. The main focus of this course is the production of a three panel folio submission. Students select an individual theme for study, based on their strengths.

Students will develop their ability to think critically about photography as picture-making and explore reasons why photographs are made and valued. Students will extend their skills in a range of processes and techniques including studio workshops, with an emphasis on digital photography and the use of Adobe Creative Suite software.

Students will be encouraged to enter the scholarship examination based on their internal assessment grades.

Note: Students who have not taken Level 2 Photography will need to put in extra time in Term 1 to catch up on essential skills covered in the Year 12 course.

Siva mai, sau ia! 101
Contact: Mrs Alipia

This programme gives Year 11-13 students an opportunity to be able to connect their learning to their cultural heritage and identity through performing arts and language. It creates a learning environment which is meaningful and relevant with a platform to express their thoughts, ideas, beliefs, values and cultural practices in a way that is relevant for them. Students will learn basic conversations in Samoan and Tongan language.

Siva mai, sau ia! 101
Contact: Mrs Alipia

This programme gives Year 11-13 students an opportunity to be able to connect their learning to their cultural heritage and identity through performing arts and language. It creates a learning environment which is meaningful and relevant with a platform to express their thoughts, ideas, beliefs, values and cultural practices in a way that is relevant for them. Students will learn basic conversations in Samoan and Tongan language.

Visual Arts 101 - ART101 | Ngā Toi Ataata 101
Contact: Mrs Burrows

Students will work on an individually lead programme based around a theme of their choosing. Students will study a range of artist models and apply the knowledge, skills and techniques learned into their own practical work. Students will complete three Achievement Standards during the year. This will include an extensive external Achievement Standard consisting of a 2x panel folio where students will demonstrate their work.

Year 11 Art leads directly to the Senior specialist Art disciplines of Design, Photography, Painting, Sculpture, and Printmaking.

Visual Arts 201 - ART201 | Ngā Toi Ataata 201

Contact: Mrs Burrows

The aim of the course is to provide the student with a thorough grounding in painting and printmaking practices. The course is a preparation of further study at Level 3 (Year 13) and at tertiary levels. Students are taught to understand the ways paintings and printmaking are made and to develop knowledge of the current processes, procedures, materials and techniques. This involves how to carry out research, generate ideas and develop these ideas in a systematic way through to the finished painting.

Drawing will be used as the basis for all artworks. A workbook is kept throughout the year to record this process of development. Students are encouraged to use contemporary and traditional artist models to develop their own work. At the beginning of the year, students are guided as to their approaches in painting, both in subject matter and media. For the remainder of the year, students choose their own theme to develop their ideas for their folio looking at a range of appropriate artist models in both traditional and contemporary practice.

Visual Arts 301 - ART301 | Ngā Toi Ataata 301

Contact: Mrs Burrows

Visual Arts in Year 13 covers a group of single subjects. The subjects offered are: Painting, Printmaking, and Sculpture. Students can study up to two of these, or three at the discretion of the HOD Art. Students are encouraged to enter the Scholarship examination. Students will develop an understanding of the principles underlying the making of prints and sculptures. They will be examined on their practical knowledge in painting. They will develop knowledge of current processes, procedures, materials, techniques, and conventions.

This will also involve learning the skills of research, generating ideas and developing these ideas in a systematic way through to finished artworks. Students will be encouraged to use contemporary artist models for their own work. Students will be required to produce one external two-panel folio.

Careers

Baking 202 - BKG202 | Te Tunumanga Parāoa 202 Contact: Mrs Anderson

This course is intended for students who wish to pursue a career in Baking or Hospitality and Catering. Students will learn how to batch bake products and apply icings to a professional standard. This is an industry standards based course and requires students to do both theoretical and practical work.

Students taking this course will have the opportunity to cater for functions.

Baking 302 - BKG302 | Te Tunumanga Parāoa 302 Contact: Mrs Anderson

This course is intended for students who wish to pursue a career in commercial Baking or Hospitality and Catering. Students will learn how to produce a variety of baked products suitable for public consumption. This is an industry standards based course and requires students to do both theoretical and practical work.

Students taking this course will have the opportunity to cater for functions.

Early Childhood Education 202 - ECE202 | Te Mātauranga Kōhungahunga 202 Contact: Mrs Gwynne

This course is intended for students who are wanting to be involved in Early Childhood Education and working with children from 0-6 years old.

Students will join the Early Childhood Engagement Programme (ECEP) to learn a wide range of both theory and practical skills associated with caring and educating young children. There is also the opportunity to use these skills in real-life situations while on their practicum in an Early Learning Service within the community.

Early Childhood Education 302 - ECE302 | Te Mātauranga Kōhungahunga 302 Contact: Mrs Gwynne

This course is intended for students who are wanting to be involved in Early Childhood Education and working with students from 0-6 years old.

Students will continue in the Early Childhood Engagement Programme (ECEP) to develop and build on both theory and practical skills associated with caring and educating young children. There is also the opportunity to consolidate these skills in real-life situations while on practicums in an Early Learning Service within the community.

Gateway 202 - GAT202 | Te Kūwaha 202 Contact: Mrs Wyber

The Gateway Level 2 programme is available to students studying at Years 12 - 13 in secondary school.

Study across a range of industries is possible via industry standards from a variety of external providers. A learning plan is co-constructed with the student. Work experience is a compulsory part of this course as some of the Level 2 standards are completed in the work place.

Gateway 302 - GAT302 | Te Kūwaha 302
Contact: Mrs Wyber

The Gateway Level 3 programme is available to students studying at Years 12 - 13 in secondary school.

Gateway Level 3 supports students undertaking structured work based learning across a range of industries and business. Level 3, and in some cases, Level 4 industry based standards are offered. Students are able to get a taste of the 'real world' via their compulsory work experience placement.

Hospitality and Catering 102 - HOC102 | Te Manaakitanga ā te whakataka kai 102
Contact: Mrs Anderson

Students choosing this course should have an interest in working with food and pursuing a career in the Hospitality and Catering industry. Basic cookery techniques and issues relating to food are taught to enable students to plan, prepare, and present food that is appropriate for a range of people and situations. A combination of theory and practical skills (e.g. safety in the kitchen, knife handling skills) are taught to equip students to work in the Hospitality industry.

This is the first year of standards at Level 2 that may contribute to The New Zealand Certificate in Hospitality (Level 2).

Hospitality and Catering 202 - HOC202 | Te Manaakitanga ā te whakataka kai 202
Contact: Mrs Anderson

The aim of this course is to prepare students for work in a commercial kitchen in the Hospitality and Catering industry. It builds on the skills learned in HOC102 and will include a wide range of techniques to prepare and serve food. This is an industry based course that covers a combination of theory and practical skills. Customer service is taught and these skills are practised at catered functions.

The New Zealand Certificate in Hospitality (Level 2) may be available to students who complete the second year of Hospitality and Catering standards.

Hospitality and Catering 302 - HOC302 | Te Manaakitanga ā te whakataka kai 302
Contact: Mrs Anderson

The aim of this course is to develop and extend students' understanding of the Hospitality and Catering industry. Advanced hospitality skills (theoretical and practical) and knowledge are taught via a culinary portfolio that students gather throughout the year. The skills and techniques taught are consistent with industry standards. Skills learnt in HOC102 and HOC202 are built on and extended. This course is suited to students who would like a career in the Hospitality and Catering industry.

Trades Academy 202 - TRD202 | Te Wānanga mihi ā-rehe 202
Contact: Mrs Wyber

Trade courses are offered by the Top of the South Trades Academy that are delivered in either Blenheim or Nelson.

The course provides students with the opportunity to study an industry based course in a variety of learning areas.

The Level 2 courses offered include Automotive Engineering, Mechanical Engineering, Beauty, Hairdressing, Building and Construction, Sport and Exercises, Adventure Tourism Leadership, Manaaki Tāpoi Cultural Tourism, Emergency and Response, and Health and Support Services. Students apply to study one day a week at NMIT or with CONNEXIS either in Blenheim or Nelson.

Further course information may be accessed on <https://tradesacademy.ac.nz/>

Trade courses are offered by the Top of the South Trades Academy. The course provides students with the opportunity to study an industry based course in a variety of learning areas including Art and Design Digital Technology, Creative Design for Hair and Makeup, Environmental Science, Predator Control and Conservation, Mechanical Engineering (year two), Automotive Engineering (year two), Adventure Tourism Leadership (year two), and Manaaki Tāpoi Cultural Tourism (year two). Students apply to study one day a week at NMIT or with CONNEXIS either in Blenheim or Nelson.

Further course information may be accessed on <https://tradesacademy.ac.nz/>

English

English 101 - Literature Studies - ENG101 | Rangahau Momo Tuhinga 101

Contact: Mrs Del'Monte-Aberhart

In this course, intended for students who enjoy a wide variety of texts, you will study a novel and a range of short stories and poems. You will also study a film and will learn how to analyse texts that are unfamiliar to you. You will learn analytical, writing and speaking skills to enable you to be a more confident writer and speaker. The skills you will learn will help you develop your critical thinking and they will be readily transferable and relevant to most other subject areas. Based on your strengths in English, and with the guidance of your teacher, you will choose two of the three externally assessed achievement standards to sit and which internally assessed writing standards to undertake.

English 102 -Text Studies - ENG102 | Rangahau Momo Tuhinga Poto 102

Contact: Mr Lower

In this course, you will study a wide range of short texts, from stories to songs, podcasts and magazine articles. You will also study a film. You will be encouraged to make connections between texts and current-day New Zealand and global issues. Based on your strengths in English, and with the guidance of your teacher, you will choose which internally assessed writing standard you wish to submit. The assessments undertaken in this course are mainly internally assessed. Additionally, you will prepare to sit the film-based external standard.

English 201 - Literature Studies - ENG201 | Rangahau Momo Tuhinga 201

Contact: Mr Lower

This course is intended for students who enjoy a wide variety of texts and who would like to take English at Level 3. You will have the opportunity to study a range of literature, write creatively and to make connections between texts and the wider world. Key intentions of the course are to strengthen your enjoyment of reading, to develop your critical thinking, and to enhance your ability to write a range of text types from short stories to essays. Based on your strengths in English, and with the guidance of your teacher, you will choose two of the three externally assessed achievement standards to sit.

English 202 -Text Studies - ENG202 | Rangahau Momo Tuhinga Poto 202

Contact: Mr Lower

This course involves the study of a range of short texts such as stories, poems, songs, and magazine articles. Internally assessed standards you will undertake include a 'close viewing' of the film studied and a research assignment. Students will be encouraged to make connections between texts and with current-day issues in New Zealand and globally. The assessments undertaken in this course are mainly internally assessed. Additionally, you will prepare to sit the film-based external standard.

English 301 - Literature Studies - ENG301 | Rangahau Momo Tuhinga 301

Contact: Mr Lower

This academic course is intended for students who enjoy reading a wide variety of literary texts. Emphasis is placed on developing your ability to analyse and evaluate texts and on your ability to synthesise your understandings and form your own conclusions. You will study an extended text, such as a novel or play, a film and texts that are unfamiliar to you. Based on your strengths in English, and with the guidance of your teacher, you will choose two of the three externally assessed achievement standards to sit. You will also undertake a theme-based Connections study and the Writing Portfolio. Additional internally assessed standards will be offered for students who have specific tertiary requirements they are seeking to meet.

English 302 -Text Studies - ENG302 | Rangahau Momo Tuhinga Poto 302
Contact: Mrs Kennard

In this course, you will study a range of texts, including short stories, feature articles and a film. You will develop critical thinking, beyond-the-text comprehension, and essay writing skills. This course will enable you to write confidently and critically, and will develop your understanding of and appreciation for the creators of texts. The assessments undertaken in this course are mainly internally assessed. They range from a close study of a film director to the Writing Portfolio. Additionally, you will prepare to sit one external standard – the film-based essay standard.

English for Academic Purposes 201 - ENA201 | Te Reo Pākehā hei ako Akoranga Ngaio
Contact: Mr Lower

This course is intended for Year 12 and 13 students who wish to develop their academic reading and writing skills and for English as Second Language (ESOL) students. You will gain confidence in communicating ideas in structured written form. Rather than focusing on literature studies, this course places an emphasis on researching, developing a formal argument, report writing, and presenting in preparation for tertiary study. The course will consist of assessments undertaken by the whole class and independently selected assessments. Your teacher will help you to make your independent selections. All standards undertaken in this course are internally assessed.

English for Second Language Learners 101 - 1ESOL
Contact: Mr Lower

This course is for students who wish to have a better understanding of written and spoken English. It involves listening and reading comprehension, further development of the essential vocabulary list and learning how to use functional language in everyday life. Learning English grammar and the structures of English are covered in this course. We also focus on developing fluency in spoken English. All assessment in this course is internally assessed, using both unit standards and achievement standards. We aim to ensure that students obtain their Level 1 Literacy credits.

Media Studies 111 - MES111 | Mahi Pāpāho 111
Contact: Mrs Kennard

Students will learn how the media influences us and gain confidence in creating media products. The course studies a range of media, including social media, media representation of current events and an exploration of teen movies. Students have the option of doing either a semester course or a full year course. Assessment types may include digital presentation, essay and videos. If students also choose MES121 – the Second Semester Media course – they will develop production skills in filming, script writing, and editing.

Media Studies 121 - MES121 | Mahi Pāpāho 121
Contact: Mrs Kennard

Students will learn how the media influences us and gain confidence in creating media products. The course studies a range of media, including social media, media representation of current events and an exploration of teen movies. Students have the option of doing either a semester course or a full year course. Assessment types may include digital presentation, essay and videos. In this, the Second Semester course, students will develop production skills in filming, script writing, and editing.

Media Studies 201 - MES201 | Mahi Pāpāho 201
Contact: Ms Wilson

Students will learn to analyse key media concepts and continue to develop their own media literacy. Students will critically analyse a range of media texts and apply their analysis to their own world. Students will find the course fun and challenging – exploring such topics as reality television. In the production component of the course, students will have the opportunity to create a podcast based on their own interests.

Media Studies 301 - MES301 | Mahi Pāpāho 301
Contact: Ms Wilson

Students will develop an analytical appreciation of media genres and issues. Students will explore the ethics of social media and develop a deeper appreciation and understanding for how social media affects them as an individual and our wider society. Students will be given the opportunity to choose between creating a short length documentary or full length feature article. A strong focus is placed on developing critical analysis as well as practical digital and communication skills.

Te Reo Māori 201 - REO201
Contact: Mr Curnow

By focusing on real life scenarios students will be able to communicate at an intermediate level in the community as well as have more knowledge about their local area. Topics covered are: an historical study of a local tribe, formal welcomes, aspirations and goals for the future, and issues that youth are facing. In addition, students have the option of participating in the inter-school Ngā Manu Kōrero speaking competition. This speech can then be counted towards their Kōrero portfolio.

This course has a localised curriculum which draws on local tangata whenua to share knowledge.

Languages

French 101 - FRE101 | Te Reo Wīwī 101
Contact: Mr Curnow

By focusing on real life scenarios, students will be able to travel, work, and communicate at a basic level in French speaking communities. Topics covered are daily life, jobs, travel and tourism, movies, and arranging to go out. They will study places in Marlborough with French links, Akaroa and New Zealand's link to French towns such as Le Quesnoy and Arras. The standards achieved at this level provide excellent 'survival' skills with emphasis given to getting the basics right and a mastery of the basic tenses and grammatical structures.

French 201 - FRE201 | Te Reo Wīwī 201
Contact: Mr Curnow

Students will begin to look at global concepts and French speaking perspectives of the world and develop language to an intermediate level. Topics include: Provinces of France, Adolescent issues, Technology, and Cinema. They will develop opinions, share information and give advice as well as analyse and understand the perspectives of other French speakers. Students cover material enabling them to demonstrate an understanding of a variety of spoken French texts.

French 301 - FRE301 | Te Reo Wīwī 301
Contact: Mr Curnow

Students will continue to look at global concepts and French speaking perspectives of the world and develop their language to an advanced level. Topics include: French Speaking Countries, Immigration, Environmental Issues, Women in Society, History, French Literature, and Art. They will develop opinions, share information and give advice in greater depth as well as analyse and understand the perspectives of other French speakers.

Japanese 101 - JPN101 | Te Reo Hapanihi 101
Contact: Ms Price

By focussing on real life scenarios students will be able to travel, work and communicate at a basic level in Japanese speaking communities. Topics covered include family, housing, daily routine, jobs, school, travel and tourism, hobbies and sports, going shopping and going on exchange. The learning achieved at this level will provide 'survival' skills with emphasis on communication.

Japanese 201 - JPN201 | Te Reo Hapanihi 201
Contact: Ms Price

Students will continue to develop their knowledge and fluency in Japanese. More kanji will be introduced. Students will move from basic communication on familiar topics (personal information etc.) to being able to discuss and share opinions on a range of less familiar topics.

Te Ao Haka 201
Contact: Mr Curnow

Te Ao Haka is a culturally responsive art form, providing opportunities for all ākonga to engage in Māori culture, language, and traditional practice. Te Ao Haka is founded on traditional knowledge, but is progressive in the development and evolution of the art form.

Intrinsic to Te Ao Haka are culture, language and identity. Te Ao Haka is a vehicle used to wānanga and communicate culture, tikanga, knowledge systems, and iwi traditions. Te Ao Haka is enabling and centres around the importance of family, marae, iwi, hapū, and waka through connection with the past, present and future. This belonging gives ākonga a purpose to strive towards and achieve to their full potential, including empowering them to have fun and enjoy the performing arts.

Ākonga who engage with Te Ao Haka recognise that pride in their culture also comes with a responsibility to create a positive space for others to continue expressing themselves in developing their craft. Therefore, ākonga are able to understand their contributions to the art form.

At Level 6 of the curriculum, students in Te Ao Haka discover, identify, access, and explore foundational knowledge and ideas in and about Te Ao Haka.

At Level 7, students explore their own creativity, based on their grounding in Te Ao Haka. They innovate and experiment, exploring their own role and connections within Te Ao Haka.

At Level 8, students refine their analysis of Te Ao Haka and their skills in performance. They are able to effectively express narrative and embody their performance.

The Big Ideas capture the essential knowledge of and about Te Ao Haka. The Significant Learning captures the ways in which students engage with these Big Ideas at each level of the curriculum.

Te Reo Māori 101 - REO101
Contact: Mr Curnow

By focusing on real life scenarios, students will be able to communicate at a basic level in the community. Topics covered are daily life, home life, school life, hanging out with friends, arranging to go out as well as expectations at the marae and roles during events. In addition, students have the option of participating in the inter-school Ngā Manu Kōrero speaking competition. This speech can then be counted towards their Kōrero portfolio.

This course has a localised curriculum which draws on local tangata whenua to share knowledge.

Te Reo Māori 201 - REO201
Contact: Mr Curnow

By focusing on real life scenarios students will be able to communicate at an intermediate level in the community as well as have more knowledge about their local area. Topics covered are: an historical study of a local tribe, formal welcomes, aspirations and goals for the future, and issues that youth are facing. In addition, students have the option of participating in the inter-school Ngā Manu Kōrero speaking competition. This speech can then be counted towards their Kōrero portfolio.

This course has a localised curriculum which draws on local tangata whenua to share knowledge.

Te Reo Māori 301 - REO301

Contact: Mr Curnow

By focusing on real life scenarios students will be able to communicate at an advanced level in the community as well as have more knowledge about Te aō Māori. Topics covered are: tribal ancestral stories, song and dance traditions, the revitalisation of Te Reo Māori, political issues for Māori in New Zealand, and spiritual and cultural Māori leaders of New Zealand. In addition, students have the option of participating in the inter-school Ngā Manu Kōrero speaking competition. This speech can then be counted towards their Kōrero portfolio.

This course has a localised curriculum which draws on local tangata whenua to share knowledge.

Mathematics

Mathematics 101 - MAT101 | Pāngarau 101

Contact: Mr Mohan

This course covers a range of mathematical concepts, including Numbers, Algebra and Statistics.

You will learn to:

- Apply numeric reasoning in solving problems.
- Investigate a given multivariate data set using the statistical enquiry cycle.
- Apply algebraic procedures in solving problems.
- Investigate relationships between tables, equations and graphs.
- Demonstrate understanding of chance and data.

The course is aimed at students who are interested in continuing with Mathematics at Year 12 and 13. Achieving in the MCAT is a prerequisite for studying Calculus at Level 2.

Mathematics 102 - MAT102 | Pāngarau 102

Contact: Mr Mohan

This course covers a range of mathematical concepts, involving Number, Algebra and Statistics.

Students will learn how to:

- Apply numeric reasoning in solving problems.
- Investigate a given multivariate data set using the statistical enquiry cycle.
- Apply linear algebra in solving problems.
- Apply measurement in solving problems.
- Demonstrate understanding of chance and data.

The MAT102 course is mainly internally assessed. There is one external assessment covering Statistics and Probability that enables students to gain subject endorsement and is a prerequisite for studying Mathematics at Level 2.

Mathematics 103 - MAT103 | Pāngarau 103

Contact: Mr Mohan

This course is designed for those students who want to use Mathematics in everyday contexts and gain the National Certificate of Educational Achievement (NCEA) Numeracy Component. This course does not continue with mathematics to higher levels.

You will learn to:

- Use measurement to solve problems.
- Interpret statistical information for a purpose.
- Use number to solve problems.
- Produce a balanced budget to manage personal finances.

Mathematics 202 - MAT202 | Pāngarau 202

Contact: Mr Mohan

This course is aimed at students who want to continue learning a broad range of concepts in Mathematics.

You will learn to:

- Apply sequences and series in solving problems.
- Apply network methods in solving problems.
- Investigate a situation involving elements of chance using a simulation.
- Apply co-ordinate geometry methods in solving problems.
- Apply trigonometric relationships in solving problems.
- Apply probability methods in solving problems.

Mathematics 302 - MAT302 | Pāngarau 302

Contact: Mr Mohan

This course contains a range of Achievement Standards with a focus on Applied Mathematics and is a great course to take if you are interested in pursuing tertiary study and/or a career in Business, Social Studies, or Biological Sciences.

You will learn how to:

- Apply linear programming methods in solving problems.
- Investigate bivariate measurement data.
- Use statistical methods to make an inference.
- Apply systems of simultaneous equations in solving problems.
- Apply probability concepts in solving problems.

The course is aimed at students who wish to study Mathematics at NCEA Level 3, but at a slightly slower pace.

Mathematics with Calculus 201 - CAL201 | Pāngarau 201

Contact: Mr Mohan

This course is aimed at students with a good understanding of Mathematics. Students will gain a solid foundation for a number of careers or tertiary courses that require a good understanding of algebra or calculus.

You will learn how to:

- Apply probability methods in solving problems.
- Apply trigonometric relationships in solving problems.
- Apply co-ordinate geometry methods in solving problems.
- Apply algebraic methods in solving problems.
- Apply calculus methods in solving problems.

Mathematics with Statistics 201 - STA201 | Pāngarau 201

Contact: Mr Mohan

This course is aimed at students who are interested in Statistics. Students will develop analytical and statistical skills, which will support learning in the Humanities, Commerce or Biological Sciences.

You will learn how to:

- Apply sequences and series in solving problems.
- Apply network methods in solving problem.
- Investigate a situation involving elements of chance using a simulation.
- Use statistical methods to make an inference.
- Design a Questionnaire.
- Apply probability methods in solving problems.

Mathematics with Calculus 301 - CAL301 | Pāngarau 301

Contact: Mr Mohan

This course is designed to prepare the student for the study of mathematics, pure and applied sciences or engineering at a tertiary level. The focus is on calculus, with students encountering algebra and trigonometry topics, as well as the manipulation of real and complex numbers and geometry and conic sections.

You will learn how to:

- Apply trigonometric methods in solving problems.
- Apply the algebra of complex numbers in solving problems.
- Apply differentiation methods in solving problems.
- Apply integration methods in solving problems.

This course requires a large amount of independent study to ensure success in the three external assessments.

Mathematics with Statistics 301 - STA301 | Pāngarau 301

Contact: Mr Mohan

This course would suit students who are interested in pursuing tertiary study and/or a career in Business, Social Studies, Biological Sciences or Statistics. You will develop analytical and statistical skills, which will support learning in the Humanities, Commerce or Biological Sciences.

You will learn how to:

- Apply linear programming methods in solving problems.
- Investigate bivariate measurement data.
- Use statistical methods to make a formal inference.
- Apply probability concepts in solving problems.
- Apply probability distributions in solving problems.

Health and Physical Education

Health and Physical Education 101 - HPE101 | Te Hauora Me Te Ako Tinana 101
Contact: Mr Thomas

This course is a combination of the Health Education and the Physical Education courses at Level 1. Students will study adolescent health issues, wellbeing and Hauora. Students will learn about human movement and participate in a variety of physical activities. Students who choose this course should not choose either Health Education 101 or Physical Education 101.

Health Education 101 - HED101 | Te Akoranga Hauora 101
Contact: Mr Thomas

This course is for students who have a real interest in adolescent health issues. They will gain knowledge, skills, attitudes and values to enjoy a healthy lifestyle and to contribute to the well-being of other people and their communities. Key areas of learning are mental health, sexuality education, and physical safety. This course can be taken on its own or together with Physical Education 101 (but not Combined Health and Physical Education 101).

Physical Education 101 - PED101 | Te Mātauranga Ā-Tinana 101
Contact: Mr Thomas

Students will learn through approximately 50% practical and 50% theoretical work. They will study the human body and how it moves, how a person acquires physical skills, interpersonal skills in a team situation and the influences on participation in physical activity. Responsible behaviour in the outdoors is demonstrated through an overnight camp. There are two days out of school with this course.

This course can be taken on its own or together with Health Education 101 (but not Combined Health and Physical Education 101).

Health Education 201 - HED201 | Te Akoranga Hauora 201
Contact: Mr Thomas

Students will continue to develop their knowledge on key health issues. There will be a focus on gender identity and sexuality, adolescent health issues, resilience and health promotion. Students will develop the necessary skills, knowledge and understanding to maintain and develop resiliency, and maintain, promote and enhance well-being. This is examined at a personal, interpersonal and societal level for now and in the future.

Physical Education 201 - PED201 | Te Mātauranga Ā-Tinana 201
Contact: Mr Thomas

Students will learn through approximately 50% practical and 50% theoretical work. Anatomy and Biomechanics are studied as well as Sports Psychology and the principles of how students learn motor skills. Students will develop a training programme to improve their fitness and complete a duathlon as well as participate in a number of different sporting contexts. Safety Management procedures are addressed and assessed within a camp setting.

There are three days out of school associated with this course.

Health Education 301 - HED301 | Te Akoranga Hauora 301
Contact: Mr Thomas

Health is a growing industry with many diverse opportunities for employment and research. Students will analyse national and international health issues, different health practices, ethical issues and health promotion. They will develop a positive and responsible attitude to their personal well-being and care and concern for other people in their communities.

Physical Education 301 - PED301 | Te Mātauranga Ā-Tinana 301
Contact: Mr Thomas

Students will study a current issue in Physical Education and look at how it impacts on New Zealand society. Students analyse, train and evaluate their performance for different sporting contexts and study Safety Management strategies in the outdoors. Students will learn to apply knowledge gained in Level 2.

There will be three days out of school associated with this course.

Outdoor Education 202 - OED202 | Te Mātauranga Ā-Waho 202
Contact: Mr Thomas

This course offers excellent opportunities for motivated students to learn and develop a wide range of personal, social and outdoor skills. Students will plan and experience learning in the following activities: Tramping; Camping; Navigation; Sea Kayaking; Mountain Biking; Alpine skills; Rock Climbing and Abseiling. Skills developed will include self-management, organisation, personal responsibility, as well as the management of risk.

Students will need a very good level of fitness, strength, determination and a positive attitude along with a good sense of humour to get the most out of this course.

Please be aware there are up to 14 days out of school associated with this course that will require you to be able to self manage.

Sciences

Science 101 - SCI101

Contact: Mrs Burton

Science is a way of investigating, understanding, and explaining our natural, physical world and the wider universe. It involves:

- generating and testing ideas
- gathering evidence – including by making observations
- carrying out investigations and modelling
- communicating and debating with others – in order to develop scientific knowledge, understanding, and explanations.

This course will provide a broad foundation in Science for all students. You will learn key concepts associated with biology, chemistry and physics. There will be a mix of internally and externally assessed standards offered to you in this course depending on student interest and pathways.

Biology 201 - BIO201 | Te Mātai Koiora 201

Contact: Mrs Burton

Level 2 Biology students will learn how living things operate at a cellular level and investigate how genes contribute to variation and change. Through a combination of theory and practical activities, the course builds on some of the work covered in Level 1 Biology and offers students the chance to develop research, investigative, and thinking skills.

Biology 301 - BIO301 | Te Mātai Koiora 301

Contact: Mrs Burton

Students will learn how living things cope with changing conditions, and explore how new biological advances impact our lives today. A variety of internal and external achievement standards will be offered and these are taught through a combination of theory and practical activities. This course offers students further opportunities to develop their research, thinking, and investigative skills.

Chemistry 201 - CHE201 | Te Mātai Matū 201

Contact: Mrs Burton

The course provides a deeper understanding of why substances behave as they do and introduces students to analytical techniques used in consumer testing and detection of environmental pollutants. Students will learn theoretical concepts, practical skills, and applications of Chemistry including how to balance different types of chemical equations, calculate amounts of substances and concentrations of solutions, and learn the names and reactions of new families of chemical compounds. Some internal standards will have a significant practical component.

Chemistry 301 - CHE301 | Te Mātai Matū 301

Contact: Mrs Burton

Students will develop a more detailed, and often mathematical, understanding of most of the topics covered at Level 2. Theoretical concepts, practical analytical skills and applications of reactions will be discussed in more detail. Students may also participate in research into chemical processes in the world around us, or undertake an extended practical investigation. There is some flexibility in the standards available so students can select a programme that is most suited to their individual learning needs in Chemistry.

Environmental Sustainability 201 - ESU201 | Te Whakapūmautanga Taiao 201
Contact: Mrs Burton

Students will explore local sustainability issues in conservation, farming, marine, school and viticulture through a series of guest speakers and field trips. They will then engage with specialists in the community as stakeholders and/or mentors to undertake meaningful action of their choice. They will learn about the interconnectedness of the natural world and humans part in it, as well as environmental challenges that are facing the world and explore solutions to sustainability challenges.

Note: Field trips are an integral part of this course and it is expected that all students attend these.

Environmental Sustainability 301 - ESU301 | Te Whakapūmautanga Taiao 301
Contact: Mrs Burton

Students who choose to study Environmental Sustainability 301 will explore environmental sustainability issues in Marlborough through a series of guest speakers and field trips. They will want to make a difference to their world. Students will enjoy planning and taking their own action to make the future more sustainable; get out into the environment and collect information first hand, and make connections with people in their local community who are tackling some of the sustainability issues; investigate and focus on the local challenges; and engage with specialists in the community as stakeholders and/or mentors.

Note: Field trips are an integral part of this course and it is expected that all students will attend these.

Physics 201 - PHY201 | Te Mātai Ahupūngao 201
Contact: Mrs Burton

Various everyday contexts are used to study the physical phenomena that govern our world. Students will investigate the behaviour of light and waves and how they are involved in our everyday lives, and the physics behind circular motion, springs, and projectiles. They will be introduced to nuclear reactions and radioactivity and their applications in medicine and industry. Students can also elect to study the nature of electricity and magnetism and their applications to technology, or the applications of physics to current technology.

Physics 301 - PHY301 | Te Mātai Ahupūngao 301
Contact: Mrs Burton

A variety of everyday contexts will be used to investigate phenomena and learn about concepts involving matter and energy. This includes the interference of light & waves and how they are involved in our everyday lives, the physics behind rotational and simple harmonic motion, gravity and satellites. Students are introduced to quantum theory, $E = mc^2$ and the duality of light and their applications. Students can elect to study the nature of AC electricity, inductance & capacitance or the applications of physics to current technology.

Social Sciences

Business Studies 111 - BUS111 | Te Mātai Pakihi 111

Contact: Ms Collett

Students will learn how to design, create and market an innovative product. They will learn strategies to make a successful product idea and how to market this effectively to achieve the ultimate goal, profit. Students will take their product to the market and aim to sell enough to cover all costs and make some profit. By taking this course, students will have the opportunity of attending the BP Business Challenge.

This course is only available in Semester 1.

Business Studies 201 - BUS201 | Te Mātai Pakihi 201

Contact: Ms Collett

Students will learn how a business operates and work collaboratively in a group of their own choice to form and run their company. Students will be required to produce a business idea that has a community focus/outcome. Students will conduct market research, learn how to finance, promote and sell their product or service. They will take their product to market with the aim to sell enough to cover costs and make a profit. There is an opportunity for students to compete in the Young Enterprise Scheme (YES) which will further develop business and personal growth. The last topic allows students to investigate different motivational theories used by businesses in the community. This course is all internally accessed.

Business Studies 301 - BUS301 | Te Mātai Pakihi 301

Contact: Ms Collett

Students will learn how a business operates and work collaboratively in a group of their choice to form and run their company. Students will be required to produce an innovative business idea that has a community focus/outcome. Students will learn how to finance, promote and sell their product or service. They will take their product to market with the aim to sell enough to cover costs and make a profit. Students will have the opportunity to meet with business mentors from the community to help guide their business success. There is an opportunity for students to compete in the Young Enterprise Scheme (YES) which will further develop business and personal growth. This course is all internally accessed.

Classical Studies 111 - CLS111 | Whakaakoranga Puāwaitanga 111

Contact: Mr Galt

Students will learn about the classical world through the mythological stories of the Greek gods, to the adventures of epic heroes and their heroic feats, and the historical events of the ancient Greeks and Romans that have shaped our current society.

Students will learn about ancient Greek and Roman civilisations and will cover art, philosophy, architecture, society, politics, drama, literature and history. This involves looking at all aspects of a society in order to piece together what life, beliefs and values would have been like of the people of that time alongside the major historical events of the period. Students can choose to take one or both semesters of the Level 1 course.

Classical Studies 121 - CLS121 | Whakaakoranga Puāwaitanga 121

Contact: Mr Galt

Students will learn about the classical world through the mythological stories of the Greek gods, to the adventures of epic heroes and their heroic feats, and the historical events of the ancient Greeks and Romans that have shaped our current society.

They will learn about ancient Greek and Roman civilisations and will cover art, philosophy, architecture, society, politics, drama, literature and history. This involves looking at all aspects of a society in order to piece together what life, beliefs and values would have been like of the people of that time alongside the major historical events of the period. Students can choose to take one or both semesters of the Level 1 course.

Classical Studies 201 - CLS201 | Whakaakoranga Puāwaitanga 201

Contact: Mr Galt

Classical Studies students explore the ancient world from many angles: literature, history, art, and mythology. Learn how the Greeks and Romans have shaped modern culture and society. Students practice and develop skills in ICT, critical thinking, research, problem-solving, creativity, collaboration, and writing.

Classical Studies 301 - CLS301 | Whakaakoranga Puāwaitanga 301

Contact: Mr Galt

Classical Studies is interdisciplinary which means we explore the classical world from many angles: literature, history, art, and mythology. Learn how the Greeks and Romans have shaped modern culture and society. Students further develop skills in ICT, critical thinking, research, problem-solving, creativity, collaboration, and writing.

Economics 121 - ECO121 | Te Mātauranga Ōhanga 121

Contact: Ms Collett

In Economics, students learn to make informed decisions based on what is happening around them. The learning focuses on individual firms, consumers and markets. Students will complete a case study on a local firm to investigate how events/decisions such as a change in taxes, natural disasters or overseas demand, effects the firm and NZ economy.

This course is only available in Semester 2.

Economics 201 - ECO201 | Te Mātauranga Ōhanga 201

Contact: Ms Collett

Students learn how to make informed decisions based on what is happening around them. Level 2 focuses on the whole NZ economy and how international markets and events effect NZ. Students will study unemployment, inflation, growth and government policies. They will learn how the Reserve Bank of NZ and the Government can stabilise prices and stimulate growth within NZ and why this is a goal.

Geography 111 - GEO111 | Te Mātai Matawhenua 111

Contact: Mrs Barnes

Level 1 Geography will give students an understanding of the environment as the home of the people and introduces the basics of both physical geography and human geography. Topics include environmental impacts of tourism in Malaysia and Thailand, an investigation into the impacts of the world's fertility rate, geographic research, analysis of an environment shaped by an extreme natural event e.g. Christchurch 2011 earthquake, and geographic skills such as mapping and graphing.

This Level 1 course is semester based and students can choose to take one or both semesters of the course.

Geography 121 - GEO121 | Te Mātai Matawhenua 121

Contact: Mrs Barnes

Geography will give students an understanding of the environment as the home of the people and introduces the basics of both physical geography and human geography. Topics include environmental impacts of tourism in Malaysia and Thailand, an investigation into the impacts of the world's fertility rate, geographic research, analysis of an environment shaped by an extreme natural event e.g. Christchurch 2011 earthquake, and geographic skills such as mapping and graphing.

This course is semester based and students can choose to take one or both semesters of the course.

Geography 201 - GEO201 | Te Mātai Matawhenua 201

Contact: Mrs Barnes

Level 2 Geography students will further develop an understanding of both physical geography and human geography. Aspects such as social issues, environmental issues, patterns, contributing factors and solutions will be studied as part of understanding the world we live in. Topics include investigating an urban pattern, e.g. homicide and gangs in Chicago, geographic research, a global issue – HIV/AIDs, geographic skills such as mapping and graphing, and the differences in development or geographic understanding of a large natural environment.

Geography 301 - GEO301 | Te Mātai Matawhenua 301

Contact: Mrs Barnes

Students will continue to develop an understanding of both physical and human geography and enhance their understanding of the environment as the home of people and their communities. Students will develop geographic skills and geographic concepts to a higher level and discuss significant issues on both a global and regional scale, geographic research, and tourism development in Hawaii or how natural processes interact to shape NZ.

History 111 - HIS111 | Ngā Tāhuhu Kōrero 111

Contact: Mrs Roundhill

Students will gain a greater understanding of the world we live in. Students will study historical documents, cartoons, video documentaries, films, old newspapers, maps, graphs, charts, and diagrams to develop an understanding of twentieth century world history. Students will be assessed through resource analysis, essay writing and research. Topics for 2022 include USA: Boom and Bust, Origins of World War 2, and Springbok Tour 1981. There is an opportunity to visit Omaka Aviation Centre to investigate NZ involvement in World War 2.

This Level 1 course is semester based and students can choose to take one or both semesters of the course.

History 121 - HIS121 | Ngā Tāhuhu Kōrero 121
Contact: Mrs Roundhill

Students will gain a greater understanding of the world we live in. Students will study historical documents, cartoons, video documentaries, films, old newspapers, maps, graphs, charts, and diagrams to develop an understanding of twentieth century world history. Students will be assessed through resource analysis, essay writing and research. Topics for 2022 include Black Civil Rights in the USA and NZ Nuclear Free.

This Level 1 course is semester based and students can choose to take one or both semesters of the course.

History 201 - HIS201 | Ngā Tāhuhu Kōrero 201
Contact: Mrs Croft

Students will gain a wider understanding of the forces that have shaped the world we live in and develop research and presentation skills crucial in all career paths. Students will study historical sites, documents, cartoons, video documentaries, films, old newspapers, maps, graphs, charts, museums and diagrams in order to give an understanding of nineteenth and twentieth century history both in New Zealand and overseas. Students will communicate their understanding through a wide variety of assessment methods.

Topics for 2022 include Origins of World War 1, Weimar Republic and Nazi Germany and 1918 Flu Pandemic in New Zealand.

There is an opportunity to visit an ANZAC display at Marlborough Museum and Omaka Aviation Centre to look at World War 1 aviation.

History 301 - HIS301 | Ngā Tāhuhu Kōrero 301
Contact: Mrs Croft

Students will gain a greater understanding of the world we live in and particularly the history of New Zealand through studying historical documents, games, cartoons, video documentaries, films, old newspapers, maps, graphs, charts, biographies, diagrams and the work of other historians. They will complete resource analysis, essays and research assignments.

Topics that will be studied in 2022 are NZ History 1800 to 1850, Votes for Women in New Zealand and one other topic students will choose. There are two days out of school associated with this course for a field trip to Wellington to visit important sites and documents associated with the course.

Psychology 201 - PSY201 | Mātai Hinengaro 201
Contact: Miss Scobie

This course is for students interested in Psychology and human behaviour. They will study Cognitive, Biological, Humanistic, Behavioural and Psychodynamic approaches in Psychology. Key psychological debates like Nature vs Nurture will be examined and how debates have changed over time. Students research the complex ethical minefield of Psychological practice and delve into at least two Psychological fields. This could include Sports, Forensic, Social, and Educational fields. The assessment types include student driven inquiry, digital presentations, and essays.

Psychology 301 - PSY301 | Mātai Hinengaro 301

Contact: Mr Bond

This course is for students interested in human behaviour and is applicable to all aspects of everyday life. It provides a strong foundation for both future studies and career pathways in a range of fields including law, politics, mental health, police force, retail, and education. Students will explore intelligence and psychological approaches, analyse key psychological practices and the significance of psychological research. The assessment types include student driven inquiry, digital presentations, and essays.

Tourism 202 - TOU202 | Te Tāpoi 202

Contact: Ms Pullin

This course introduces skills needed for a career in the Travel and Tourism Industry. During the course, students will explore different work roles within the industry, types of tourists and tourism, and how tourism impacts the environment from local and global settings. Students will learn to read and comprehend work-related documents from the tourism industry as well as gain an understanding of destinations both in New Zealand and abroad.

This course is taught entirely online so access to a computer and the Internet is essential. Students who would like to receive material in hard copy are able to request this from the teacher.

Tourism 302 - TOU302 | Te Tāpoi 302

Contact: Ms Pullin

This course allows students to learn skills and knowledge needed for a career in the Travel and Tourism industry. During the course students will explore tourist destinations in New Zealand, Australia and the Pacific Islands. In doing so, they will research natural and constructed attractions, activities and events as well as accommodation, transport and visitor services available to tourists in these destinations.

The majority of this course is completed electronically so access to a computer and the internet is essential.

Technology

Design and Visual Communication 201 - DVC201 | Te Mahi Hoahoa ā te Whakawhitiwhiti Ataata 201

Students will complete two major projects – a product design and a spatial (architectural) design. Level 2 extends students' visual communication skills and further develops their analytical and creative thinking from Level 1. Students will apply advanced visual literacy to initiate and develop concepts through the design process and produce and present a final design solution that meets the given design brief. Our programme aims to develop advanced problem solving skills through design thinking, risk taking, collaboration and intelligent failure.

Design and Visual Communication 301 - DVC301 | Te Mahi Hoahoa ā te Whakawhitiwhiti Ataata 301

Level 3 DVC builds on visual literacy design capabilities learnt at Levels 1 and 2, with in-depth understanding of drawing systems, presentation technique, model making and use of computer aided design. Students will develop this in-depth understanding of design elements and principles in a real-world scenario. Design briefs are more open-ended, with students taking ownership and having more of an input into identifying needs or opportunities within a spatial or product design context. Our programme aims to develop in-depth problem solving skills through design thinking, risk taking, collaboration and intelligent failure.

This is a University Entrance approved subject and will be beneficial to students who are interested in areas where critical thinking, creativity and innovation are important qualities.

Digital Technology 111 - DST111 | Te Hangarau Matihiko 111

Contact: Ms Malik

Level 1 Digital Technology gives students a basic introduction to key capabilities required for innovation in many digital fields. Students will use critical and original thinking to solve problems. All students will be working on projects. Our programme aims to develop basic problem solving skills through design thinking, risk taking, collaboration and intelligent failure.

This course can be chosen as a semester option or full year course.

Digital Technology 121 - DST121 | Te Hangarau Matihiko 121

Contact: Ms Malik

Digital Technology gives students a basic introduction to key capabilities required for innovation in many digital fields. Students will use critical and original thinking to solve problems. All students will be working on projects. Our programme aims to develop basic problem solving skills through design thinking, risk taking, collaboration and intelligent failure.

This course can be chosen as a semester option or full year course.

Digital Technology 201 - DST 201 | Te Hangarau Matihiko 201

Contact: Ms Malik

Students will consolidate and develop advanced capabilities in Digital Technologies, knowledge of design principles, and the technological process. This will include a range of practical skills demonstrated using various multimedia and software applications to produce a solution for a project. All students will work on projects and solve problems using critical and original thinking. Our programme aims to develop advanced problem solving skills through design thinking, risk taking, collaboration and intelligent failure.

Digital Technology 301 - DST301 | Te Hangarau Matihiko 301

Contact: Ms Malik

Students will consolidate and develop advanced capabilities in Digital Technologies, knowledge of design principles, and the technological process. This will include a range of practical skills demonstrated using various multimedia and software applications to produce a solution for a project. All students will work on projects and solve problems using critical and original thinking. Our programme aims to develop advanced problem solving skills through design thinking, risk taking, collaboration and intelligent failure.

Food and Biotechnology 111 - FBT111 | Te Kai ā te Hangarau Koiora 111

Contact: Mrs Taetuli

Students will design and develop innovative products for the food industry through a variety of design projects. They will explore the entire process of food product development as a culinary designer. Our program aims to develop basic problem-solving skills through design thinking, risk taking and intelligent failure.

Literacy credits are available in this course. This course can be chosen as a semester option or full year course.

Food and Biotechnology 121 - FBT121 | Te Kai ā te Hangarau Koiora 121

Contact: Mrs Taetuli

Students will design and develop innovative products for the food industry through a variety of design projects. They will explore the entire process of food product development as a culinary designer. Our program aims to develop basic problem-solving skills through design thinking, risk taking and intelligent failure.

Literacy credits are available in this course. This course can be chosen as a semester option or full year course.

Food and Biotechnology 201 - FBT201 | Te Kai ā te Hangarau Koiora 201

Contact: Mrs Taetuli

Students will work toward the design and development of an innovative new product with a food medium. They will work collaboratively, further develop self-management skills and engage in high level inquiry. Our programme aims to develop advanced problem solving skills through design thinking, risk taking and intelligent failure. In class they will gather in-depth knowledge of sensory analysis, market, consumer and technical research and apply this to their modelling and design. Students will develop creative and technical skills to enable innovative decision making and high quality outcomes.

Food and Biotechnology 301 - FBT301 | Te Kai ā te Hangarau Koiora 301
Contact: Mrs Taetuli

Students will use their prior knowledge of food design and development to work alongside industry mentors and/or clients. Our programme aims to develop in-depth problem solving skills through design thinking, risk taking and intelligent failure. They will solve problems with critical and original thinking and have the opportunity to participate in the NZIFST CREST Food Innovation Challenge. They will develop a conceptual design, use modelling media to demonstrate the fitness for purpose and explain the knowledge that underpins the development of their food technology outcome.

This is a University Entrance approved subject and will be beneficial to students who are interested in areas where critical thinking, creativity and innovation are important qualities.

Textile and Fashion Technology 111 - TFT111 | Te Hangarau Pūeru ā te Tāera Kakahu 111

Students will complete projects that develop skills in research, project planning, fashion illustration, outcome design, prototyping, and garment construction. They will develop their thinking, design and practical skills in this specialist area. The Year 11 course is semester based and students can choose to take one or both semesters of the course. Our programme aims to develop basic problem solving skills through design thinking, risk taking, collaboration and intelligent failure.

Textile and Fashion Technology 121 - TFT121 | Te Hangarau Pūeru ā te Tāera Kakahu 121

Students will complete projects that develop skills in research, project planning, fashion illustration, outcome design, prototyping, and garment construction. They will develop their thinking, design and practical skills in this specialist area. The Year 11 course is semester based and students can choose to take one or both semesters of the course. Our programme aims to develop basic problem solving skills through design thinking, risk taking, collaboration and intelligent failure.

Textile and Fashion Technology 201 - TFT201 | Te Hangarau Pūeru ā te Tāera Kakahu 201

Level 2 Textile and Fashion Technology builds on basic design skills developed in Level 1 with the introduction of advanced construction techniques. With a focus on sustainability, students will be challenged to design and construct garments or textile items made from recycled materials. There will be an opportunity for their garment to be modelled or displayed at our end of year showcase. Our programme aims to develop advanced problem solving skills through design thinking, risk taking, collaboration and intelligent failure.

Textile and Fashion Technology 301 - TFT301 | Te Hangarau Pūeru ā te Tāera Kakahu 301

This course prepares students for designing in the real world. They will explore applied design techniques to create their own fabric or to enhance their designs. They will work creatively to reflect on and analyse their work plus use complex construction techniques to create garments or textile items/products. Portfolio evidence will be collected throughout the technological process. Our programme aims to develop in-depth problem solving skills through design thinking, risk taking, collaboration and intelligent failure.

This is a University Entrance approved subject and will be beneficial to students who are interested in areas where critical thinking, creativity and innovation are important qualities.

